

論文題目	著者名	雑誌名	年	巻	号	ページ	DOI	言語
Dynamic Covalent Bond: Modes of Activation of the C-ON Bond in Alkoxyamines	Audran, Gerard; Bagryanskaya, Elena G.; Bikanga, Raphael; Coote, Michelle L.; Guselnikova, Olga; Hammill, Chelsey L.; Marque, Sylvain R. A.; Mellet, Philippe; Postnikov, Pavel S.	Progress in Polymer Science	2023	144		101726	10.1016/j.progpolymsci.2023.101726	English
Atom transfer radical polymerization initiated by activator generated by electron transfer in emulsion media: a review of recent advances and challenges from an engineering perspective	Awad, Mohammed; Dhib, Ramdhane; Duever, Thomas	Journal of Dispersion Science and Technology	2023	44	8	1433-1454	10.1080/01932691.2021.2021089	English
Application of RAFT in 3D Printing: Where Are the Future Opportunities?	Bagheri, Ali	Macromolecules	2023	56	5	1778-1797	10.1021/acs.macromol.2c02585	English
Resolving the incompatibility between SET-LRP and non-disproportionating solvents	Bensabeh, Nabil; Moreno, Adrian; Maurya, Devendra S.; Adamson, Jasper; Galia, Marina; Lligadas, Gerard; Percec, Virgil	Giant	2023	15		100176	10.1016/j.giant.2023.100176	English
Radical-promoted single-unit monomer insertion (SUMI) [aka. reversible-deactivation radical addition (RDRA)]	Boyer, Cyrille; Kamigaito, Masami; Satoh, Kotaro; Moad, Graeme	Progress in Polymer Science	2023	138		101648	10.1016/j.progpolymsci.2023.101648	English
Seeded RAFT Polymerization-Induced Self-assembly: Recent Advances and Future Opportunities	Chen, Yifei; Tan, Jianbo; Shen, Liangliang	Macromolecular Rapid Communications	2023	44	20	2300334	10.1002/marc.202300334	English
Multiblock copolymer synthesis via RAFT emulsion polymerization	Clothier, Glenn K. K.; Guimaraes, Thiago R.; Thompson, Steven W.; Rho, Julia Y.; Perrier, Sebastien; Moad, Graeme; Zetterlund, Per B.	Chemical Society Reviews	2023	52	10	3438-3469	10.1039/d2cs00115b	English
Nanohybrid materials using gold nanoparticles and RAFT-synthesized polymers for biomedical applications	Dhara, Mahua	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	2023	60	12	841-855	10.1080/10601325.2023.2271040	English
Improvement of electrode performance by grafting polymers via atom transfer radical polymerization (ATRP): Principles and applications	Fantin, Marco; Isse, Abdirisak Ahmed	Current Opinion in Electrochemistry	2023	40		101313	10.1016/j.coelec.2023.101313	English
Recent Advances in Polymerization-Induced Self-Assembly (PISA) Syntheses in Non-Polar Media	Gyorgy, Csilla; Armes, Steven P.	Angewandte Chemie, International Edition	2023	62	42	e202308372	10.1002/anie.202308372	English
Advances and opportunities in synthesis of flame retardant polymers via reversible deactivation radical polymerization	Hochol, Agata; Flejszar, Monika; Chmielarz, Pawel	Polymer Degradation and Stability	2023	214		110414	10.1016/j.polydegradstab.2023.110414	English
The Power of Automation in Polymer Chemistry: Precision Synthesis of Multiblock Copolymers with Block Sequence Control	Jafari, Vianna F.; Mossayebi, Zahra; Allison-Logan, Stephanie; Shabani, Sadegh; Qiao, Greg G.	Chemistry - A European Journal	2023	29	53	e202302577	10.1002/chem.202302577	English
Photocontrolled RAFT polymerization: past, present, and future	Lee, Yungyeong; Boyer, Cyrille; Kwon, Min Sang	Chemical Society Reviews	2023	52	9	3035-3097	10.1039/d1cs00069a	English
Controlling Radical Polymerization with Biocatalysts	Li, Ruoyu; Kong, Weina; An, Zesheng	Macromolecules	2023	56	3	751-761	10.1021/acs.macromol.2c02307	English
Modelling Development in Radical (Co)Polymerization of Multivinyl Monomers	Lyu, Jing; Li, Yinghao; Li, Zishan; Polanowski, Piotr; Jeszka, Jeremiasz K.; Matyjaszewski, Krzysztof; Wang, Wenxin	Angewandte Chemie, International Edition	2023	62	5	e202212235	10.1002/anie.202212235	English
Polymerization within Nanoporous Anodized Alumina Oxide Templates (AAO): A Critical Survey	Mijangos, Carmen; Martin, Jaime	Polymers	2023	15	3	525	10.3390/polym15030525	English
Living and controlled reversible-activation polymerization (RAP) on the way to reversible-deactivation radical polymerization (RDRP)	Moad, Graeme	Polymer International	2023	72	10	861-868	10.1002/pi.6424	English
Controlled grafting of polythiophene and poly(vinylidene fluoride)	Nandi, Arun K.; Basak, Udayan; Chatterjee, Dhruva P.	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	2023	60	8	525-547	10.1080/10601325.2023.2222012	English
Strategies for Achieving Oxygen Tolerance in Reversible Addition-Fragmentation Chain Transfer Polymerization	Ng, Gervase; Prescott, Stuart W.; Postma, Almar; Moad, Graeme; Hawker, Craig J.; Boyer, Cyrille	Macromolecular Chemistry and Physics	2023	224	19	2300132	10.1002/macp.202300132	English
Quo Vadis Carbanionic Polymerization?	Ntetsikas, Konstantinos; Ladelta, Viko; Bhaumik, Saibal; Hadjichristidis, Nikos	ACS Polymers Au	2023	3	2	158-181	10.1021/acspolymersau.2c00058	English
PET-RAFT polymerization under flow chemistry and surface-initiated reactions	Rong, Li-Han; Caldon, Eugene B.; Advincula, Rigoberto C.	Polymer International	2023	72	2	145-157	10.1002/pi.6475	English
Ultrasonics in polymer science: applications and challenges	Santha Kumar, Arunjunai R. S.; Padmakumar, Amrithkumar; Kalita, Uddhab; Samanta, Sarthik; Baral, Anshul; Singha, Nikhil K.; Ashokkumar, Muthupandian; Qiao, Greg G.	Progress in Materials Science	2023	136		101113	10.1016/j.pmatsci.2023.101113	English
From non-conventional ideas to multifunctional solvents inspired by green chemistry: fancy or sustainable macromolecular chemistry?	Slusarczyk, Kinga; Flejszar, Monika; Chmielarz, Pawel	Green Chemistry	2023	25	2	522-542	10.1039/d2gc03558h	English
Visible-light photopolymerization activated by nanocarbon materials as photocatalysts	Sun, Ke; Zhang, Yijun; Zhu, Di; Peng, Xiaotong; Zhang, Jing; Gong, Tao; Ma, Ming; Xiao, Pu	Journal of Photochemistry and Photobiology, C: Photochemistry Reviews	2023	57		100637	10.1016/j.jphotochemrev.2023.100637	English

Cu-Catalyzed Atom Transfer Radical Polymerization: The Effect of Cocatalysts	Sun, Mingkang; Szczepaniak, Grzegorz; Dadashi-Silab, Sajjad; Lin, Ting-Chih; Kowalewski, Tomasz; Matyjaszewski, Krzysztof	Macromolecular Chemistry and Physics	2023	224	3	2200347	10.1002/macp.202200347	English
Recent Advances in the Application of ATRP in the Synthesis of Drug Delivery Systems	Szewczyk-Lagodzinska, Matylda; Plichta, Andrzej; Debowski, Maciej; Kowalczyk, Sebastian; Iuliano, Anna; Florjanczyk, Zbigniew	Polymers	2023	15	5	1234	10.3390/polym15051234	English
Step-growth polymerization by the RAFT process	Tanaka, Joji; Li, Jiajia; Clouthier, Samantha Marie; You, Wei	Chemical Communications	2023	59	53	8168-8189	10.1039/d3cc01087b	English
Chemical recycling of polymethacrylates synthesized by RAFT polymerization	Wang, Hyun Suk; Anastasaki, Athina	Chimia	2023	77	4	217-220	10.2533/chimia.2023.217	English
Functionalization of nanocellulose using atom transfer radical polymerization and applications: a review	Wang, Qi; Feng, Xinhao; Liu, Xinyou	Cellulose	2023	30	14	8495-8537	10.1007/s10570-023-05403-5	English
Driving Polymer Brushes from Synthesis to Functioning	Wang, Rui; Wei, Qiangbing; Sheng, Wenbo; Yu, Bo; Zhou, Feng; Li, Bin	Angewandte Chemie, International Edition	2023	62	27	e202219312	10.1002/anie.202219312	English
Atom transfer radical polymerization in dispersed media with low-ppm catalyst loading	Wang, Yi; Lorandi, Francesca; Fantin, Marco; Matyjaszewski, Krzysztof	Polymer	2023	275		125913	10.1016/j.polymer.2023.125913	English
Surface-Initiated Zerovalent Metal-Mediated Controlled Radical Polymerization (SI-Mt0CRP) for Brush Engineering	Wu, Daheng; Li, Wei; Zhang, Tao	Accounts of Chemical Research	2023	56	17	2329-2340	10.1021/acs.accounts.3c00310	English
Near-Infrared Light-Induced Reversible Deactivation Radical Polymerization: Expanding Frontiers in Photopolymerization	Wu, Zilong; Boyer, Cyrille	Advanced Science	2023	10	33	2304942	10.1002/adv.202304942	English
Research progress on preparation methods of water-soluble polyaniline	Xiao, Yuansong; Wang, Yanmin; Wu, Xueliang; Ma, Yong	High Performance Polymers	2023	35	3	213-227	10.1177/09540083221131456	English
Recent development and advances on fabrication and biomedical applications of Ga-based liquid metal micro/nanoparticles	Yang, Xiaowei; Yu, Ying; Lai, Qi; Yang, Xinmin; Luo, Peng; Zhang, Bin; Zhang, Xiaoyong; Wei, Yen	Composites, Part B: Engineering	2023	248		110384	10.1016/j.compositesb.2022.110384	English
Polymer-modified regenerated cellulose membranes: following the atom transfer radical polymerization concepts consistent with the principles of green chemistry	Zaborniak, Izabela; Chmielarz, Pawel	Cellulose	2023	30	1	1-38	10.1007/s10570-022-04880-4	English
Modification of Polyurethanes by Atom Transfer Radical Polymerization and Their Application	Zaborniak, Izabela; Sroka, Malgorzata; Chmielarz, Pawel	ACS Symposium Series	2023	1452		39-57	10.1021/bk-2023-1452.ch003	English
Fluoropolymer Nanoparticles Synthesized via Reversible-Deactivation Radical Polymerizations and Their Applications	Zhang, Zexi; Chen, Kaixuan; Ameduri, Bruno; Chen, Mao	Chemical Reviews	2023	123	22	12431-12470	10.1021/acs.chemrev.3c00350	English
Advances and prospects of RAFT polymerization-derived nanomaterials in MRI-assisted biomedical applications	Zhao, Wei; Li, Chenlong; Chang, Jun; Zhou, Huimin; Wang, Deshuo; Sun, Jingjiang; Liu, Tianqing; Peng, Hui; Wang, Qingfu; Li, Yanan; Whittaker, Andrew K.	Progress in Polymer Science	2023	146		101739	10.1016/j.progpolymsci.2023.101739	English
Polymerization-induced self-assembly for efficient fabrication of biomedical nanoplatfoms	Zhao, Xiaopeng; Sun, Changrui; Xiong, Fei; Wang, Ting; Li, Sheng; Huo, Fengwei; Yao, Xikuang	Research	2023	6		0113	10.34133/research.0113	English
Cascade RAFT polymerization of hetero Diels-Alder cycloaddition reaction	Cao, Ruyue; Xiao, Jingjing; Wang, Yixuan; Li, Xiangyu; Feng, Anchao; Zhang, Liqun	Huaxue Jinzhan	2023	35	5	721-734	10.7536/pc221129	中国語
Room-temperature heterogeneous reversible deactivation radical polymerization	Lin, Dong-ni; Zhang, Li; Tan, Jian-bo	Gaofenzi Xuebao	2023	54	6	761-777	10.11777/j.issn1000-3304.2022.22442	中国語
Research progress of soybean protein adhesive and mildew resistance of its plywood	Lin, Yue-tong; Yan, Yu-ting; Fu, Jing-xuan; Pang, Jiu-yin	Baozhuang Gongcheng	2023	44	17	122-131	10.19554/j.cnki.1001-3563.2023.17.015	中国語
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Copolymers of vinylidene fluoride with functional comonomers and applications therefrom: Recent developments, challenges and future trends	Ameduri, Bruno	Progress in Polymer Science	2022	133		101591	10.1016/j.progpolymsci.2022.101591	English
Living polymer networks prepared by controlled radical polymerization techniques	Bainbridge, Chris William Anderson; Wangsadjaya, Andika; Broderick, Neil; Jin, Jianyong	Polymer Chemistry	2022	13	11	1484-1494	10.1039/d1py01692j	English
CrossLinked Polymeric Gels and Nanocomposites: New Materials and Phenomena Enabling Technological Applications	Barbero, Cesar A.; Martinez, Maria V.; Acevedo, Diego F.; Molina, Maria A.; Rivarola, Claudia R.	Macromol	2022	2	3	440-475	10.3390/macromol2030028	English
Tailor-made glycopolymers via reversible deactivation radical polymerization: design, properties and applications	Bhattacharya, Koushik; Kalita, Uddhab; Singha, Nikhil K.	Polymer Chemistry	2022	13	11	1458-1483	10.1039/d1py01640g	English
Reversible complexation mediated polymerization: an emerging type of organocatalytically controlled radical polymerization	Chen, Zhi-Hao; Wang, Xiao-Yan; Tang, Yong	Polymer Chemistry	2022	13	17	2402-2419	10.1039/d2py00120a	English
RAFT-Based Polymers for Click Reactions	Chernikova, Elena V.; Kudryavtsev, Yaroslav V.	Polymers	2022	14	3	570	10.3390/polym14030570	English
Photoinduced Organocatalyzed Atom Transfer Radical Polymerization (O-ATRP): Precision Polymer Synthesis Using Organic Photoredox Catalysis	Corbin, Daniel A.; Miyake, Garret M.	Chemical Reviews	2022	122	2	1830-1874	10.1021/acs.chemrev.1c00603	English
Infection Resistant Surface Coatings by Polymer Brushes: Strategies to Construct and Applications	Dhingra, Shaifali; Sharma, Shivangi; Saha, Sampa	ACS Applied Bio Materials	2022	5	4	1364-1390	10.1021/acsabm.1c01006	English

Toward Green Atom Transfer Radical Polymerization: Current Status and Future Challenges	Dworakowska, Sylwia; Lorandi, Francesca; Gorczynski, Adam; Matyjaszewski, Krzysztof	Advanced Science	2022	9	19	2106076	10.1002/adv.202106076	English
A Perspective on the History and Current Opportunities of Aqueous RAFT Polymerization	Fortenberry, Alexander W.; Jankoski, Penelope E.; Stacy, Evan K.; McCormick, Charles L.; Smith, Adam E.; Clemons, Tristan D.	Macromolecular Rapid Communications	2022	43	24	2200414	10.1002/marc.202200414	English
Oxygen Tolerance in Surface-Initiated Reversible Deactivation Radical Polymerizations: Are Polymer Brushes Turning into Technology?	Fromel, Michele; Benetti, Edmondo M.; Pester, Christian W.	ACS Macro Letters	2022	11	4	415-421	10.1021/acsmacrolett.2c00114	English
Controllable synthesis and structural design of novel all-organic polymers toward high energy storage dielectrics	Gong, Honghong; Ji, Qinglong; Cheng, Yipin; Xiong, Jie; Zhang, Meirong; Zhang, Zhicheng	Frontiers in Chemistry	2022	10		979926	10.3389/fchem.2022.979926	English
Grafting from Fluoropolymers Using ATRP: What is Missing?	Guerre, Marc; Semsarilar, Mona; Ladmiral, Vincent	European Journal of Inorganic Chemistry	2022	2022	4	e202100945	10.1002/ejic.202100945	English
Construction of electrochemiluminescence biosensor via click chemistry and ARGET-ATRP for detecting tobacco mosaic virus RNA	Guo, Xiaoyu; Chen, Luyao; Li, Peipei; Li, Xiaofei; Wang, Jianfeng; Guo, Liang; Yang, Huaixia	Analytical Biochemistry	2022	655		114834	10.1016/j.ab.2022.114834	English
Polymers showing intrinsic antimicrobial activity	Haktaniyan, Meltem; Bradley, Mark	Chemical Society Reviews	2022	51	20	8584-8611	10.1039/d2cs00558a	English
Photo-Iniferter RAFT Polymerization	Hartlieb, Matthias	Macromolecular Rapid Communications	2022	43	1	2100514	10.1002/marc.202100514	English
Engineering Polymers via Understanding the Effect of Anchoring Groups for Highly Stable Liquid Metal Nanoparticles	Huang, Xumin; Xu, Tianhong; Shen, Ao; Davis, Thomas P.; Qiao, Ruirui; Tang, Shi-Yang	ACS Applied Nano Materials	2022	5	5	5959-5971	10.1021/acsnan.1c04138	English
Review on Covalent Adaptable Networks Based on Dynamic Alkoxyamine Bonds	Jia, Yixuan; Delaitre, Guillaume; Tsotsalas, Manuel	Macromolecular Materials and Engineering	2022	307	9	2200178	10.1002/mame.202200178	English
Evolutions of precision radical polymerizations from metal-catalyzed radical addition: living polymerization, step-growth polymerization, and monomer sequence control	Kamigaito, Masami	Polymer Journal	2022	54	12	1391-1405	10.1038/s41428-022-00680-6	English
Enzyme Catalysis for Reversible Deactivation Radical Polymerization	Li, Ruoyu; Kong, Weina; An, Zesheng	Angewandte Chemie, International Edition	2022	61	26	e202202033	10.1002/anie.202202033	English
Atom Transfer Radical Polymerization: A Mechanistic Perspective	Lorandi, Francesca; Fantin, Marco; Matyjaszewski, Krzysztof	Journal of the American Chemical Society	2022	144	34	15413-15430	10.1021/jacs.2c05364	English
Degradable and recyclable polymers by reversible deactivation radical polymerization	Martinez, Michael R.; Matyjaszewski, Krzysztof	CCS Chemistry	2022	4	7	2176-2211	10.31635/ccschem.022.202201987	English
Design of biointerfaces composed of soft materials using controlled radical polymerizations	Masuda, Tsukuru; Takai, Madoka	Journal of Materials Chemistry B: Materials for Biology and Medicine	2022	10	10	1473-1485	10.1039/d1tb02508b	English
Surface-Immobilized Photoinitiators for Light Induced Polymerization and Coupling Reactions	Mueller, Matthias; Bandl, Christine; Kern, Wolfgang	Polymers	2022	14	3	608	10.3390/polym14030608	English
Recent Advances in the Biomedical Applications of Functionalized Nanogels	Narayanan, Kannan Badri; Bhaskar, Rakesh; Han, Sung Soo	Pharmaceutics	2022	14	12	2832	10.3390/pharmaceutics14122832	English
Precision synthesis for well-defined linear and/or architecturally controlled thermoresponsive poly(N-substituted acrylamide)s	Narumi, Atsushi; Sato, Shin-ichiro; Shen, Xiande; Kakuchi, Toyoji	Polymer Chemistry	2022	13	10	1293-1319	10.1039/d1py01449h	English
Arylamines as More Strongly Reducing Organic Photoredox Catalysts than fac-[Ir(ppy) ₃]	Noto, Naoki; Saito, Susumu	ACS Catalysis	2022	12	24	15400-15415	10.1021/acscatal.2c05034	English
RDRP (Meth)acrylic Homo and Block Polymers from Lignocellulosic Sugar Derivatives	Pala, Marc; Woods, Sarah E.; Hatton, Fiona L.; Lligadas, Gerard	Macromolecular Chemistry and Physics	2022	223	13	2200005	10.1002/macp.202200005	English
Potential Artifacts and Control Experiments in Toxicity Tests of Nanoplastic and Microplastic Particles	Petersen, Elijah J.; Barrios, Ana C.; Henry, Theodore B.; Johnson, Monique E.; Koelmans, Albert A.; Montoro Bustos, Antonio R.; Matheson, Joanna; Roesslein, Matthias; Zhao, Jian; Xing, Baoshan	Environmental Science & Technology	2022	56	22	15192-15206	10.1021/acs.est.2c04929	English
Progress of albumin-polymer conjugates as efficient drug carriers	Raveendran, Radhika; Dan Xu, You; Joshi, Nidhi; Stenzel, Martina H.	Pure and Applied Chemistry	2022	94	8	983-997	10.1515/pac-2021-2006	English
Recent Advances in the Synthesis of Complex Macromolecular Architectures Based on Poly(N-vinyl pyrrolidone) and the RAFT Polymerization Technique	Roka, Nikolett; Kokkorogianni, Olga; Kontoes-Georgoudakis, Philippos; Choinopoulos, Ioannis; Pitsikalis, Marinos	Polymers	2022	14	4	701	10.3390/polym14040701	English
Photo-mediated metal-free atom transfer radical polymerization: recent advances in organocatalysts and perfection towards polymer synthesis	Soly, Sneha; Mistry, Bhavita; Murthy, C. N.	Polymer International	2022	71	2	159-168	10.1002/pi.6336	English
A short review on RAFT polymerization of less activated monomers	Tilottama, Baisakhi; Manojkumar, Kasina; Haribabu, P. M.; Vijayakrishna, Kari	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	2022	59	3	180-201	10.1080/10601325.2021.2024076	English

Cationic RAFT and DT polymerization	Uchiyama, Mineto; Satoh, Kotaro; Kamigaito, Masami	Progress in Polymer Science	2022	124		101485	10.1016/j.progpolymsci.2021.101485	English
Molecularly imprinted polymers via reversible addition-fragmentation chain-transfer synthesis in sensing and environmental applications	Veloz Martinez, Irvin; Ek, Jackeline Iturbe; Ahn, Ethan C.; Sustaita, Alan O.	RSC Advances	2022	12	15	9186-9201	10.1039/d2ra00232a	English
RAFT-mediated polymerization-induced self-assembly (RAFT-PISA): current status and future directions	Wan, Jing; Fan, Bo; Thang, San H.	Chemical Science	2022	13	15	4192-4224	10.1039/d2sc00762b	English
PVDF-based fluoropolymer modifications via photoinduced atom transfer radical polymerizations	Xu, Nuo; Pan, Guangyu; Zhang, Hui; Lu, Peng; Shen, Lei; Li, Yuguang; Ji, Dong; Duan, Jindian; Hu, Xin; Lu, Chunhua; Xu, Zhongzi; Zhu, Ning; Guo, Kai	Advances in Polymer Technology	2022			7798967	10.1155/2022/7798967	English
Development of Synthesis and Application of High Molecular Weight Poly(Methyl Methacrylate)	Yuan, Ming; Huang, Dayun; Zhao, Yixuan	Polymers	2022	14	13	2632	10.3390/polym14132632	English
Triblock Azo copolymers: RAFT synthesis, properties, thin film self-assembly and applications	Zenati, Athmen	Polymer-Plastics Technology and Materials	2022	61	7	726-750	10.1080/25740881.2021.2015779	English
An electrochemical biosensor based on ARGET ATRP with DSN-assisted target recycling for sensitive detection of tobacco mosaic virus RNA	Zhang, Yaping; Li, Peipei; Hou, Mengyuan; Chen, Luyao; Wang, Jianfeng; Yang, Huaixia; Feng, Weisheng	Bioelectrochemistry	2022	144		108037	10.1016/j.bioelechem.2021.108037	English
End-functionalized polymers by controlled/living radical polymerizations: synthesis and applications	Zhou, Di; Zhu, Liang-Wei; Wu, Bai-Heng; Xu, Zhi-Kang; Wan, Ling-Shu	Polymer Chemistry	2022	13	3	300-358	10.1039/d1py01252e	English
Enzyme-catalyzed atom transfer radical polymerization	Wang, Huiyue; Hu, Xin; Hu, Yujing; Zhu, Ning; Guo, Kai	Huaxue Jinzhan	2022	34	8	1796-1808	10.7536/pc211009	中国語
Chemical modification of nanocellulose via atom transfer radical polymerization: strategy, applications and challenges	Xu, Chaoqun; Yu, Juan; Fan, Yimin; Wang, Jifu; Chu, Fuxiang	Huagong Xuebao	2022	73	3	1022-1043	10.11949/0438-1157.20211451	中国語
Controlled synthesis of polymer brushes via atom transfer radical polymerization and the most recent advancements of applications	Yuan, Yuka; Liu, Yudong; Hua, Jing	Gongneng Cailiao	2022	53	3	3074-3083, 3091	10.3969/j.issn.1001-9731.2022.03.010	中国語
Recent developments of reversible deactivation radical polymerization in flow chemistry	Zhou, Yang; Quan, Qinzi; Chen, Mao	Gongneng Gaofenzi Xuebao	2022	35	3	203-220	10.14133/j.cnki.1008-9357.20210919001	中国語
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PET-RAFT Polymerization: Mechanistic Perspectives for Future Materials	Allegrezza, Michael L.; Konkolewicz, Dominik	ACS Macro Letters	2021	10	4	433-446	10.1021/acsmacrolett.1c00046	English
Heterogeneous photocatalytic reversible deactivation radical polymerization	An, Zixin; Zhu, Shilong; An, Zesheng	Polymer Chemistry	2021	12	16	2357-2373	10.1039/d1py00130b	English
Reversible Deactivation Radical Polymerization: From Polymer Network Synthesis to 3D Printing	Bagheri, Ali; Fellows, Christopher M.; Boyer, Cyrille	Advanced Science	2021	8	5	2003701	10.1002/adv.202003701	English
New light in polymer science: photoinduced reversible addition-fragmentation chain transfer polymerization (PET-RAFT) as innovative strategy for the synthesis of advanced materials	Bellotti, Valentina; Simonutti, Roberto	Polymers	2021	13	7	1119	10.3390/polym13071119	English
Organo-Cobalt Complexes in Reversible-Deactivation Radical Polymerization	Benchaphanthawee, Wachara; Peng, Chi-How	Chemical Record	2021	21	12	3628-3647	10.1002/tr.202100122	English
Recent Advances in Living Cationic Polymerization with Emerging Initiation/Controlling Systems	Chen, Yinan; Zhang, Lu; Jin, Yi; Lin, Xinrong; Chen, Mao	Macromolecular Rapid Communications	2021	42	13	2100148	10.1002/marc.202100148	English
Application of zwitterions in forward osmosis: a short review	Chiao, Yu-Hsuan; Sengupta, Arijit; Ang, Micah Belle Marie Yap; Chen, Shu-Ting; Haan, Teow Yeit; Almodovar, Jorge; Hung, Wei-Song; Wickremasinghe, S. Ranil	Polymers	2021	13	4	583	10.3390/polym13040583	English
Principles and characteristics of polymerization-induced self-assembly with various polymerization techniques	Cornel, Erik Jan; Jiang, Jinhui; Chen, Shuai; Du, Jianzhong	CCS Chemistry	2021	3	4	2104-2125	10.31635/ccschem.020.202000470	English
Playing construction with the monomer toy box for the synthesis of multi-stimuli responsive copolymers by reversible deactivation radical polymerization protocols	D'Acunzo, Francesca; Masci, Giancarlo	Journal of Polymer Science	2021	59	24	3059-3083	10.1002/pol.20210590	English
Metal-Free Organocatalyzed Atom Transfer Radical Polymerization: Synthesis, Applications, and Future Perspectives	de Avila Goncalves, Sayeny; R. Rodrigues, Plinio; Pioli Vieira, Ronierik	Macromolecular Rapid Communications	2021	42	15	2100221	10.1002/marc.202100221	English
Well-Defined Fluorinated Copolymers: Current Status and Future Perspectives	Dolui, Subrata; Kumar, Devendra; Banerjee, Sanjib; Ameduri, Bruno	Accounts of Materials Research	2021	2	4	242-251	10.1021/accountsmr.1c00015	English
Dexamethasone conjugates: synthetic approaches and medical prospects	Dubashynskaya, Natalia V.; Bokaty, Anton N.; Skorik, Yury A.	Biomedicines	2021	9	4	341	10.3390/biomedicines9040341	English
The Application of Controlled/Living Radical Polymerization in Modification of PVDF-based Fluoropolymer	Gong, Hong-Hong; Zhang, Ying; Cheng, Yi-Pin; Lei, Ming-Xin; Zhang, Zhi-Cheng	Chinese Journal of Polymer Science	2021	39	9	1110-1126	10.1007/s10118-021-2616-x	English
Electrochemistry for Atom Transfer Radical Polymerization	Isse, Abdirisak Ahmed; Gennaro, Armando	Chemical Record	2021	21	9	2203-2222	10.1002/tr.202100028	English
Molecularly Imprinted Polymers for Dispersive (Micro)Solid Phase Extraction: A Review	Jayasinghe, G. D. Thilini Madurangika; Moreda-Pineiro, Antonio	Separations	2021	8	7	99	10.3390/separations8070099	English

Controlled Radical Polymerization: from Oxygen Inhibition and Tolerance to Oxygen Initiation	Li, Ning; Pan, Xiang-Cheng	Chinese Journal of Polymer Science	2021	39	9	1084-1092	10.1007/s10118-021-2597-9	English
Reversible deactivation radical polymerization of bio-based dienes	Luk, Sharmaine B.; Azevedo, Lorena A.; Maric, Milan	Reactive & Functional Polymers	2021	162		104871	10.1016/j.reactfunctpolym.2021.104871	English
Polymers as Versatile Players in the Stabilization, Capping, and Design of Inorganic Nanostructures	M. Aguilar, Nery; Perez-Aguilar, Jose Manuel; Gonzalez-Coronel, Valeria J.; Soriano Moro, Jesus Guillermo; Sanchez-Gaytan, Brenda L.	ACS Omega	2021	6	51	35196-35203	10.1021/acsomega.1c05420	English
Amphiphilic well-defined degradable star block copolymers by combination of ring-opening polymerization and atom transfer radical polymerization: Synthesis and application as drug delivery carriers	Oliveira, Andreia S. R.; Mendonca, Patricia V.; Simoes, Sergio; Serra, Armenio C.; Coelho, Jorge F. J.	Journal of Polymer Science	2021	59	3	211-229	10.1002/pol.20200802	English
Recent progress in switchable RAFT agents: Design, synthesis and application	Opiyo, George; Jin, Jianyong	European Polymer Journal	2021	159		110713	10.1016/j.eurpolymj.2021.110713	English
Construction methodologies and sequence-oriented properties of sequence-controlled oligomers/polymers generated via radical polymerization	Ouchi, Makoto	Polymer Journal	2021	53	2	239-248	10.1038/s41428-020-00405-7	English
Nanoengineering with RAFT polymers: from nanocomposite design to applications	Peng, Wentao; Cai, Yingying; Fanslau, Luise; Vana, Philipp	Polymer Chemistry	2021	12	43	6198-6229	10.1039/d1py01172c	English
Polymerizations by RAFT: Developments of the Technique and Its Application in the Synthesis of Tailored (Co)polymers	Semsarilar, Mona; Abetz, Volker	Macromolecular Chemistry and Physics	2021	222	1	2000311	10.1002/macp.202000311	English
Latest advances on the synthesis of linear ABC-type triblock terpolymers and star-shaped polymers by RAFT polymerization	Skandalis, Athanasios; Sentoukas, Theodore; Giaouzi, Despoina; Kafetzi, Martha; Pispas, Stergios	Polymers	2021	13	11	1698	10.3390/polym13111698	English
Less is more: A review of μ L-scale of SI-ATRP in polymer brushes synthesis	Slusarczyk, Kinga; Flejszar, Monika; Chmielarz, Pawel	Polymer	2021	233		124212	10.1016/j.polymer.2021.124212	English
Progress in the Free and Controlled Radical Homo- and Co-Polymerization of Itaconic Acid Derivatives: Toward Functional Polymers with Controlled Molar Mass Distribution and Architecture	Sollka, Lea; Lienkamp, Karen	Macromolecular Rapid Communications	2021	42	4	2000546	10.1002/marc.202000546	English
Making ATRP More Practical: Oxygen Tolerance	Szczepaniak, Grzegorz; Fu, Liye; Jafari, Hossein; Kapil, Kriti; Matyjaszewski, Krzysztof	Accounts of Chemical Research	2021	54	7	1779-1790	10.1021/acs.accounts.1c00032	English
Emergence of polymeric material utilising sustainable radiation curable palm oil-based products for advanced technology applications	Tajau, Rida; Rohani, Rosiah; Alias, Mohd Sofian; Mudri, Nurul Huda; Abdul Halim, Khairul Azhar; Harun, Mohd Hamzah; Isa, Naurah Mat; Ismail, Rosley Che; Faisal, Sharilla Muhammad; Talib, Marina; Zin, Muhammad Rawi Mohamed; Yusoff, Izzati Izni; Zaman, Nadiah Khairul; Ilias, Iqma Asyila	Polymers	2021	13	11	1865	10.3390/polym13111865	English
Recent advances in the synthesis of polymer-grafted low-K and high-K nanoparticles for dielectric and electronic applications	Tawade, Bhausaheb V.; Apata, Ikeoluwa E.; Pradhan, Nihar; Karim, Alamgir; Raghavan, Dharmaraj	Molecules	2021	26	10	2942	10.3390/molecules26102942	English
A comparison of RAFT and ATRP methods for controlled radical polymerization	Truong, Nghia P.; Jones, Glen R.; Bradford, Kate G. E.; Konkolewicz, Dominik; Anastasaki, Athina	Nature Reviews Chemistry	2021	5	12	859-869	10.1038/s41570-021-00328-8	English
Automation and data-driven design of polymer therapeutics	Upadhyay, Rahul; Kosuri, Shashank; Tamasi, Matthew; Meyer, Travis A.; Atta, Supriya; Webb, Michael A.; Gormley, Adam J.	Advanced Drug Delivery Reviews	2021	171		1-28	10.1016/j.addr.2020.11.009	English
Molecularly imprinted polymers for food applications: A review	Villa, Cristian C.; Sanchez, Leidy T.; Valencia, German Ayala; Ahmed, Shakeel; Gutierrez, Tomy J.	Trends in Food Science & Technology	2021	111		642-669	10.1016/j.tifs.2021.03.003	English
Continuous flow photo-RAFT and light-PISA	Wang, Jian; Hu, Xin; Zhu, Ning; Guo, Kai	Chemical Engineering Journal	2021	420	Part_2	127663	10.1016/j.cej.2020.127663	English
Novel antifouling polysulfone matrix membrane modified with zwitterionic polymer	Wu, Chaoqun; Zheng, Jiuhan; Hu, Jianhua	Journal of Saudi Chemical Society	2021	25	8	101281	10.1016/j.jscs.2021.101281	English
Advances in enzyme-catalysis-mediated RAFT polymerization	Xie, Wensheng; Zhao, Lingyun; Wei, Yen; Yuan, Jinying	Cell Reports Physical Science	2021	2	7	100487	10.1016/j.xcrp.2021.100487	English
Brush-like polymers: design, synthesis and applications	Yin, Liying; Liu, Lin; Zhang, Ning	Chemical Communications	2021	57	81	10484-10499	10.1039/d1cc03940g	English
Tuning dispersity of linear polymers and polymeric brushes grown from nanoparticles by atom transfer radical polymerization	Yin, Rongguan; Wang, Zongyu; Bockstaller, Michael R.; Matyjaszewski, Krzysztof	Polymer Chemistry	2021	12	42	6071-6082	10.1039/d1py01178b	English
Functionalized silicon electrodes toward electrostatic catalysis	Zhang, Long; Yang, Xiaohua; Li, Shun; Zhang, Jian Ming	Frontiers in Chemistry	2021	9		715647	10.3389/fchem.2021.715647	English
Grafting polymers on cellulose nanocrystals via surface-initiated atom transfer radical polymerization	Zhang, Zhen; Sebe, Gilles; Hou, Yelin; Wang, Juan; Huang, Jin; Zhou, Guofu	Journal of Applied Polymer Science	2021	138	48	51458	10.1002/app.51458	English
Challenges and Recent Developments of Photoflow-Reversible Deactivation Radical Polymerization (RDRP)	Zhong, Zhuo-Ran; Chen, Yi-Nan; Zhou, Yang; Chen, Mao	Chinese Journal of Polymer Science	2021	39	9	1069-1083	10.1007/s10118-021-2529-8	English
Rational Design of Biomolecules/Polymer Hybrids by Reversible Deactivation Radical Polymerization (RDRP) for Biomedical Applications	Zhou, Jie; Zhang, Xiao-Yuan; Su, Zhi-Qiang	Chinese Journal of Polymer Science	2021	39	9	1093-1109	10.1007/s10118-021-2543-x	English

Recent trends in acyclic N-vinylamide	Ajiro, Hiroharu; Yoshida, Hiroaki	高分子	2021	70	7	373-377		日本語
Development of controlled/living radical polymerization in emulsion systems	Kitayama, Yukiya	日本接着学会誌	2021	57	1	4-11		日本語
Graft modification of PVDF-based fluoropolymers	Heng, Tingting; Zhang, Hui; Chen, Mingxue; Hu, Xin; Fang, Liang; Lu, Chunhua	Huaxue Jinzhan	2021	33	4	596-609	10.7536/pc200525	中国語
Research progress of graft modified soy protein based adhesives	Zhang, Ze-yu; Lin, Yue-tong; Wang, Bao; Pang, Jiu-yin	Baozhuang Gongcheng	2021	42	5	100-110	10.19554/j.cnki.1001-3563.2021.05.013	中国語
Reversible deactivation radical interfacial polymerization	Zhao, Yuhai; Luo, Yingwu	Huagong Xuebao	2021	72	2	653-668	10.11949/0438-1157.20201306	中国語
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Developments in the Components of Metal-Free Photoinitiated Organocatalyzed-Atom Transfer Radical Polymerization (O-ATRP)	Aklujkar, Pritish. S.; Rao, Adarsh. R.	ChemistrySelect	2020	5	47	14884-14899	10.1002/slct.202004194	English
New variants of nitroxide mediated polymerization	Audran, Gerard; Bagryanskaya, Elena G.; Marque, Sylvain R. A.; Postnikov, Pavel	Polymers	2020	12	7	1481	10.3390/polym12071481	English
Smart Alkoxyamines: A New Tool for Smart Applications	Audran, Gerard; Marque, Sylvain R. A.; Mellet, Philippe	Accounts of Chemical Research	2020	53	12	2828-2840	10.1021/acs.accounts.0c00457	English
Emerging Opportunities in (co)Polymerization of Alkyl 2-(Trifluoromethyl)acrylates and 2-(Trifluoromethyl)acrylic Acid and Their Applications	Banerjee, Sanjib; Ameduri, Bruno	Frontiers of Organofluorine Chemistry	2020			735-779	10.1142/9781786347336_0017	English
Recent advances in the reversible deactivation radical (co)polymerization of fluorinated alkenes/acrylates/methacrylates/styrenes	Banerjee, Sanjib; Chakrabarty, Arindam; Singha, Nikhil K.; Ameduri, Bruno	Reversible Deactivation Radical Polymerization	2020			183-220	10.1515/9783110643695-006	English
Polymer synthesis	Beck, Seth; Narain, Ravin	Polymer Science and Nanotechnology	2020			21-85	10.1016/b978-0-12-816806-6.00003-0	English
The First Dive into the Mechanism and Kinetics of ATRP	Beers, Kathryn L.	Macromolecules	2020	53	4	1115-1118	10.1021/acs.macromol.9b02460	English
Recent advances in RDRP-modified chitosan: a review of its synthesis, properties and applications	Bhattacharjee, Madhabi; Pramanik, Nabendu B.; Singha, Nikhil K.; Haloi, Dhruba J.	Polymer Chemistry	2020	11	42	6718-6738	10.1039/d0py00918k	English
Polymer brush coating and adhesion technology at scale	Buhl, Kristian Birk; Agergaard, Asger Holm; Lillethorup, Mie; Nikolajsen, Jakob Pagh; Pedersen, Steen Ulstrup; Daasbjerg, Kim	Polymers	2020	12	7	1475	10.3390/polym12071475	English
In the Limelight: 2D and 3D Materials via Photo-Controlled Radical Polymerization	Corrigan, Nathaniel; Boyer, Cyrille	Trends in Chemistry	2020	2	8	689-706	10.1016/j.trechm.2020.05.001	English
Enhancing antifouling property of PVA membrane by grafting zwitterionic polymer via SI-ATRP method	Cui, Mengmeng; Shen, Mingcheng; Zhou, Li; Luo, Zhongkuan; Zhou, Haohao; Yang, Xinlin; Hu, Huiyuan	Journal of Biomaterials Science, Polymer Edition	2020	31	14	1852-1868	10.1080/09205063.2020.1780681	English
Iron catalysts in atom transfer radical polymerization	Dadashi-Silab, Sajjad; Matyjaszewski, Krzysztof	Molecules	2020	25	7	1648	10.3390/molecules25071648	English
RAFT-Mediated Polymerization-Induced Self-Assembly	D'Agosto, Franck; Rieger, Jutta; Lansalot, Muriel	Angewandte Chemie, International Edition	2020	59	22	8368-8392	10.1002/anie.201911758	English
Surface modifications of poly(ether ether ketone) via polymerization methods-current status and future prospects	Flejszar, Monika; Chmielarz, Pawel	Materials	2020	13	4	999	10.3390/ma13040999	English
Copolymer synthesis with redox polymerization and free radical polymerization systems	Goktas, Melahat	Redox	2020			1-12	10.5772/intechopen.88088	English
Current status of ATRP-based materials for gene therapy	Goncalves, Sayeny de Avila; Vieira, Ronierik Pioli	Reactive & Functional Polymers	2020	147		104453	10.1016/j.reactfunctpolym.2019.104453	English
Controlled radical polymerization in dispersed systems for biological applications	Gurnani, Pratik; Perrier, Sebastien	Progress in Polymer Science	2020	102		101209	10.1016/j.progpolymsci.2020.101209	English
Recent advances in RAFT polymerization of monomers derived from renewable resources	Halton, Fiona L.	Polymer Chemistry	2020	11	2	220-229	10.1039/c9py01128e	English
Controlled/"living" radical polymerization-based signal amplification strategies for biosensing	Hu, Qiong; Gan, Shiyu; Bao, Yu; Zhang, Yuwei; Han, Dongxue; Niu, Li	Journal of Materials Chemistry B: Materials for Biology and Medicine	2020	8	16	3327-3340	10.1039/c9tb02419k	English
Reversible-deactivation radical polymerization of cyclic ketene acetals	Jackson, Alexander W.	Polymer Chemistry	2020	11	21	3525-3545	10.1039/d0py00446d	English
Systematic review on the effects, roles and methods of magnetic particle coatings in magnetorheological materials	Jamari, Siti Khumaira Mohd; Nordin, Nur Azmah; Ubaidillah; Abdul Aziz, Siti Aishah; Nazmi, Nurhazimah; Mazlan, Saiful Amri	Materials	2020	13	23	5317	10.3390/ma13235317	English
Cellulose-based thermoplastics and elastomers via controlled radical polymerization	Jiang, Feng; Wang, Fenfen; Pan, Chenqian; Fang, Yanxiang	Thermosoftening Plastics	2020			1-17	10.5772/intechopen.89436	English
Fluorinated initiators, mediators, and solvents in controlled radical polymerization	Kaletina, Polina; Edeleva, Mariya	Opportunities for Fluoropolymers	2020			69-88	10.1016/b978-0-12-821966-9.00003-1	English

Unbranched chain reactions in solids and in viscous media: nontraditional methods and analysis	Kaplan, A. M.; Chekunaev, N. I.	New Frontiers in Nanochemistry	2020	2		477-485		English
Nitroxide-Mediated Polymerization: A Versatile Tool for the Engineering of Next Generation Materials	Lamontagne, Halyne R.; Lessard, Benoit H.	ACS Applied Polymer Materials	2020	2	12	5327-5344	10.1021/acsapm.0c00888	English
Cross-linking approaches for block copolymer nano-assemblies via RAFT-mediated polymerization-induced self-assembly	Li, Shenzhen; Han, Guang; Zhang, Wangqing	Polymer Chemistry	2020	11	29	4681-4692	10.1039/d0py00627k	English
Photoregulated reversible addition-fragmentation chain transfer (RAFT) polymerization	Li, Shenzhen; Han, Guang; Zhang, Wangqing	Polymer Chemistry	2020	11	11	1830-1844	10.1039/d0py00054j	English
Polymerization techniques in polymerization-induced self-assembly (PISA)	Liu, Chao; Hong, Chun-Yan; Pan, Cai-Yuan	Polymer Chemistry	2020	11	22	3673-3689	10.1039/d0py00455c	English
Polymer-ligated nanocrystals enabled by nonlinear block copolymer nanoreactors: synthesis, properties, and applications	Liu, Yijiang; Wang, Jialin; Zhang, Mingyue; Li, Huaming; Lin, Zhiqun	ACS Nano	2020	14	10	12491-12521	10.1021/acsnano.0c06936	English
Preparation of biomolecule-polymer conjugates by grafting-from using ATRP, RAFT, or ROMP	Messina, Marco S.; Messina, Kathryn M. M.; Bhattacharya, Arvind; Montgomery, Hayden R.; Maynard, Heather D.	Progress in Polymer Science	2020	100		101186	10.1016/j.progpolymsci.2019.101186	English
Controlled polymerization for the development of bioconjugate polymers and materials	Miura, Yoshiko	Journal of Materials Chemistry B: Materials for Biology and Medicine	2020	8	10	2010-2019	10.1039/c9tb02418b	English
Development of a superabsorbent polymer using iodine transfer polymerization	Miyajima, Toru; Matsubara, Yusuke; Komatsu, Hiroto; Miyamoto, Michihiko; Suzuki, Kazumitsu	Polymer Journal	2020	52	4	365-373	10.1038/s41428-019-0292-2	English
A 20th anniversary perspective on the life of RAFT (RAFT coming of age)	Moad, Graeme; Rizzardo, Ezio	Polymer International	2020	69	8	658-661	10.1002/pi.5944	English
Precise and Accelerated Polymer Synthesis via Mixed-Ligand and Mixed-RAFT Agents	Monteiro, Michael J.; Sherman, Samuel E.; Percec, Virgil	Chem	2020	6	6	1203-1204	10.1016/j.chempr.2020.05.022	English
Polymer functionalization of mesoporous silica nanoparticles using controlled radical polymerization techniques	Nebhani, Leena; Mishra, Smrutirekha; Joshi, Tina	Advances in Microporous and Mesoporous Materials	2020			1-20	10.5772/intechopen.92323	English
Progress and Perspectives Beyond Traditional RAFT Polymerization	Nothing, Mitchell D.; Fu, Qiang; Reyhani, Amin; Allison-Logan, Stephanie; Jung, Kenward; Zhu, Jian; Kamigaito, Masami; Boyer, Cyrille; Qiao, Greg G.	Advanced Science	2020	7	20	2001656	10.1002/adv.202001656	English
Enlightening advances in polymer bioconjugate chemistry: light-based techniques for grafting to and from biomacromolecules	Olson, Rebecca A.; Korpusik, Angie B.; Sumerlin, Brent S.	Chemical Science	2020	11	20	5142-5156	10.1039/d0sc01544j	English
Synthesis of functionally terminated polymers by atom transfer radical polymerization (ATRP) and their applications	Patil, Sachin S.; Sane, Prakash S.; Palaskar, Dnyaneshwar V.; Wadgaonkar, Prakash P.	Reversible Deactivation Radical Polymerization	2020			65-120	10.1515/9783110643695-003	English
Cleavable dimethacrylate-end-linked amphiphilic polymer co-networks prepared using degradable, hemiacetal ester group-containing bifunctional initiators	Patrickios, Costas S.; Rikkou-Kalourkoti, Maria	RSC Polymer Chemistry Series	2020	33		77-94		English
100th Anniversary of Macromolecular Science Viewpoint: Degradable Polymers from Radical Ring-Opening Polymerization: Latest Advances, New Directions, and Ongoing Challenges	Pesenti, Theo; Nicolas, Julien	ACS Macro Letters	2020	9	12	1812-1835	10.1021/acsmacrolett.0c00676	English
Designing macromolecular architecture via reversible deactivation radical polymerization (RDRP) and Diels - Alder reaction	Pramanik, Nabendu B.; Mondal, Prantik; Haloi, Dhruba J.; Singha, Nikhil K.	Reversible Deactivation Radical Polymerization	2020			161-182	10.1515/9783110643695-005	English
Glycopolymer brushes by reversible deactivation radical polymerization: preparation, applications, and future challenges	Ribeiro, Jessica P. M.; Mendonca, Patricia V.; Coelho, Jorge F. J.; Matyjaszewski, Krzysztof; Serra, Armenio C.	Polymers	2020	12	6	1268	10.3390/polym12061268	English
Polymers prepared via reversible deactivation radical polymerization (RDRP) for biomedical applications	Roy, Saswati Ghosh; De, Priyadarsi	Reversible Deactivation Radical Polymerization	2020			221-262	10.1515/9783110643695-007	English
Molecularly imprinted polymer-based bioelectrical interfaces with intrinsic molecular charges	Sakata, Toshiya; Nishitani, Shoichi; Kajisa, Taira	RSC Advances	2020	10	29	16999-17013	10.1039/d0ra02793f	English
Progress Toward Sustainable Reversible Deactivation Radical Polymerization	Scholten, Philip B. V.; Moatsou, Dafni; Detrembleur, Christophe; Meier, Michael A. R.	Macromolecular Rapid Communications	2020	41	16	2000266	10.1002/marc.202000266	English
Polymeric nanoparticles for controlled drug delivery	Sponchioni, Mattia	Nanomaterials for Theranostics and Tissue Engineering	2020			1-28	10.1016/b978-0-12-817838-6.00001-2	English
Low ppm atom transfer radical polymerization in (mini)emulsion systems	Surmacz, Karolina; Chmielarz, Oawel	Materials	2020	13	7	1717	10.3390/ma13071717	English
Recent development in halogen-bonding-catalyzed living radical polymerization	Wang, Chen-Gang; Chong, Amerlyn Ming Liing; Pan, Houwen Matthew; Sarkar, Jit; Tay, Xiu Ting; Goto, Atsushi	Polymer Chemistry	2020	11	35	5559-5571	10.1039/d0py00939c	English
Macromolecular engineering by applying concurrent reactions with ATRP	Wang, Yu; Nguyen, Mary; Gildersleeve, Amanda J.	Polymers	2020	12	8	1706	10.3390/polym12081706	English
Phosphorus-Containing Fluoropolymers: State of the Art and Applications	Wehbi, Mohammad; Mehdi, Ahmad; Negrell, Claire; David, Ghislain; Alaaeddine, Ali; Ameduri, Bruno	ACS Applied Materials & Interfaces	2020	12	1	38-59	10.1021/acsam.9b16228	English

Progress on intelligent hydrogels based on RAFT polymerization: Design strategy, fabrication and the applications for controlled drug delivery	Xian, Caihong; Yuan, Qijuan; Bao, Ziting; Liu, Guiting; Wu, Jun	Chinese Chemical Letters	2020	31	1	19-27	10.1016/j.ccllet.2019.03.052	English
Enzyme-mediated reversible deactivation radical polymerization for functional materials: principles, synthesis, and applications	Xiong, Qingyun; Zhang, Xiaoyuan; Wei, Wenfeng; Wei, Gang; Su, Zhiqiang	Polymer Chemistry	2020	11	10	1673-1690	10.1039/d0py00136h	English
Development of environmentally friendly atom transfer radical polymerization	Yuan, Ming; Cui, Xuetao; Zhu, Wenxian; Tang, Huadong	Polymers	2020	12	9	1987	10.3390/polym12091987	English
Polymer-grown fine particles	Ohno, Koji	高分子	2020	69	12	642-645		日本語
Polymers for photoinduced reversible solid-to-liquid transitions	Yuan, Chen-rui; Xu, Wen-cong; Liang, Shuo-feng; Wu, Si	Gaofenzi Xuebao	2020	51	10	1130-1139	10.11777/j.issn1000-3304.2020.20112	中国語
Research progress of photoinduced reversible deactivation radical polymerization in the presence of alkyl iodide	Zhang, Xu; Chen, Kelong	Huagong Jinzhan	2020	39	S1	1-11	10.16085/j.issn.1000-6613.2019-2031	中国語
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Surface modification of cellulose via conventional and controlled radiation-induced grafting	Barsbay, Murat; Guven, Olgun	Radiation Physics and Chemistry	2019	160		1-8	10.1016/j.radphyschem.2019.03.002	English
An Exciting Time for Polymer Chemists in Australia	Boyer, Cyrille; Qiao, Greg	Journal of Polymer Science, Part A: Polymer Chemistry	2019	57	18	1859-1861	10.1002/pola.29488	English
Phenothiazines, dihydrophenazines, and phenoxazines: sustainable alternatives to precious-metal-based photoredox catalysts	Corbin, Daniel A.; Lim, Chern-Hooi; Miyake, Garret M.	Aldrichimica Acta	2019	52	1	7-21		English
Responsive polymer conjugates for drug delivery applications: recent advances in bioconjugation methodologies	Ferreira Soares, Daniel Cristian; Oda, Caroline Mari Ramos; Monteiro, Liziane Oliveira Fonseca; de Barros, Andre Luis Branco; Tebaldi, Marli Luiza	Journal of Drug Targeting	2019	27	4	355-366	10.1080/1061186x.2018.1499747	English
Surface-initiated atom transfer radical polymerization for the preparation of well-defined organic-inorganic hybrid nanomaterials	Flejszar, Monika; Chmielarz, Pawel	Materials	2019	12	18	3030	10.3390/ma12183030	English
Homolytically weak metal-carbon bonds make robust controlled radical polymerizations systems for "less-activated monomers"	Fliedel, Christophe; Poli, Rinaldo	Journal of Organometallic Chemistry	2019	880		241-252	10.1016/j.jorganchem.2018.11.012	English
Lignin biopolymers in the age of controlled polymerization	Ganewatta, Mitra S.; Lokupitiya, Hasala N.; Tang, Chuanbing	Polymers	2019	11	7	1176pp.	10.3390/polym11071176	English
Advances in organocatalyzed atom transfer radical polymerization	Hu, Xin; Zhu, Ning; Guo, Kai	Advances in Polymer Technology	2019			7971683	10.1155/2019/7971683	English
Engineering Organic/Inorganic Nanohybrids through RAFT Polymerization for Biomedical Applications	Huang, Xumin; Hu, Jinming; Li, Yuhuan; Xin, Fangyun; Qiao, Ruirui; Davis, Thomas P.	Biomacromolecules	2019	20	12	4243-4257	10.1021/acs.biomac.9b01158	English
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100th Anniversary of Macromolecular Science Viewpoint: Heterogenous Reversible Deactivation Radical Polymerization at Room Temperature. Recent Advances and Future Opportunities	Liu, Dongdong; He, Jun; Zhang, Li; Tan, Jianbo	ACS Macro Letters	2019	8	12	1660-1669	10.1021/acsmacrolett.9b00870	English
A Critical Survey of Dithiocarbamate Reversible Addition-Fragmentation Chain Transfer (RAFT) Agents in Radical Polymerization	Moad, Graeme	Journal of Polymer Science, Part A: Polymer Chemistry	2019	57	3	216-227	10.1002/pola.29199	English
Iodine-mediated reversible-deactivation radical polymerization: a powerful strategy for polymer synthesis	Ni, Yuanyuan; Zhang, Lifen; Cheng, Zhenping; Zhu, Xiulin	Polymer Chemistry	2019	10	20	2504-2515	10.1039/c9py00091g	English
Living in the Fast Lane-High Throughput Controlled/Living Radical Polymerization	Oliver, Susan; Zhao, Lily; Gormley, Adam J.; Chapman, Robert; Boyer, Cyrille	Macromolecules	2019	52	1	3-23	10.1021/acs.macromol.8b01864	English
Emerging Trends in Polymerization-Induced Self-Assembly	Penfold, Nicholas J. W.; Yeow, Jonathan; Boyer, Cyrille; Armes, Steven P.	ACS Macro Letters	2019	8	8	1029-1054	10.1021/acsmacrolett.9b00464	English
Liquid salts as eco-friendly solvents for atom transfer radical polymerization: a review	Pereira, Vanessa A.; Mendonca, Patricia V.; Coelho, Jorge F. J.; Serra, Armenio C.	Polymer Chemistry	2019	10	36	4904-4913	10.1039/c9py00865a	English
Redox-Initiated Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization	Reyhani, Amin; McKenzie, Thomas G.; Fu, Qiang; Qiao, Greg G.	Australian Journal of Chemistry	2019	72	7	479-489	10.1071/ch19109	English
Fenton-Chemistry-Mediated Radical Polymerization	Reyhani, Amin; McKenzie, Thomas G.; Fu, Qiang; Qiao, Greg G.	Macromolecular Rapid Communications	2019	40	18	n/a	10.1002/marc.201900220	English
Atom Transfer Radical Polymerization: Billion Times More Active Catalysts and New Initiation Systems	Ribelli, Thomas G.; Lorandi, Francesca; Fantin, Marco; Matyjaszewski, Krzysztof	Macromolecular Rapid Communications	2019	40	1	n/a	10.1002/marc.201800616	English
Advances in atom-transfer radical polymerization for drug delivery applications	Rodrigues, Plinio Ribeiro; Vieira, Ronierik Pioli	European Polymer Journal	2019	115		45-58	10.1016/j.eurpolymj.2019.03.023	English

Biocatalytic ATRP in solution and on surfaces	Rodriguez, Kyle J.; Pellizzoni, Michela M.; Divandari, Mohammad; Benetti, Edmondo M.; Bruns, Nico	Methods in Enzymology	2019	627		263-290	10.1016/bs.mie.2019.08.014	English
Functional materials generated by allying cyclodextrin-based supramolecular chemistry with living polymerization	Seidi, Farzad; Shamsabadi, Ahmad Arabi; Amini, Mojtaba; Shabaniyan, Meisam; Crespy, Daniel	Polymer Chemistry	2019	10	27	3674-3711	10.1039/c9py00495e	English
Recent Advances in Amphiphilic Polymer-Oligonucleotide Nanomaterials via Living/Controlled Polymerization Technologies	Sun, Hao; Yang, Lu; Thompson, Matthew P.; Schara, Steve; Cao, Wei; Choi, Wonmin; Hu, Ziyang; Zang, Nanzhi; Tan, Weihong; Gianneschi, Nathan C.	Bioconjugate Chemistry	2019	30	7	1889-1904	10.1021/acs.bioconjchem.9b00166	English
Poly(-3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV): Current advances in synthesis methodologies, antitumor applications and biocompatibility	Tebaldi, Mari Luiza; Maia, Ana Luiza Chaves; Poletto, Fernanda; de Andrade, Fabricio Vieira; Soares, Daniel Cristian Ferreira	Journal of Drug Delivery Science and Technology	2019	51		115-126	10.1016/j.jddst.2019.02.007	English
Impact of Catalyzed Radical Termination (CRT) and Reductive Radical Termination (RRT) in Metal-Mediated Radical Polymerization Processes	Thevenin, Lucas; Fliedel, Christophe; Matyjaszewski, Krzysztof; Poli, Rinaldo	European Journal of Inorganic Chemistry	2019	2019	42	4489-4499	10.1002/ejic.201900901	English
Nonviral Gene Delivery with Cationic Glycopolymers	Van Bruggen, Craig; Hexum, Joseph K.; Tan, Zhe; Dalal, Rishad J.; Reineke, Theresa M.	Accounts of Chemical Research	2019	52	5	1347-1358	10.1021/acs.accounts.8b00665	English
Enzyme-initiated reversible addition-fragmentation chain transfer (RAFT) polymerization: Precision polymer synthesis via enzymatic catalysis	Wang, Xiao; An, Zesheng	Methods in Enzymology	2019	627		291-319	10.1016/bs.mie.2019.05.021	English
Aromatic Xanthates and Dithiocarbamates for the Polymerization of Ethylene through Reversible Addition-Fragmentation Chain Transfer (RAFT)	Wolpers, Arne; Bergerbit, Cedric; Ebeling, Bastian; D'Agosto, Franck; Monteil, Vincent	Angewandte Chemie, International Edition	2019	58	40	14295-14302	10.1002/anie.201905629	English
Polymer conjugation of proteins as a synthetic post-translational modification to impact their stability and activity	Wright, Thaiesha A.; Page, Richard C.; Konkolewicz, Dominik	Polymer Chemistry	2019	10	4	434-454	10.1039/c8py01399c	English
Single Unit Monomer Insertion: A Versatile Platform for Molecular Engineering through Radical Addition Reactions and Polymerization	Xu, Jiangtao	Macromolecules	2019	52	23	9068-9093	10.1021/acs.macromol.9b01365	English
Ultrasound-mediated atom transfer radical polymerization (ATRP)	Zaborniak, Izabela; Chmielarz, Pawel	Materials	2019	12	21	3600	10.3390/ma12213600	English
Modification of wood-based materials by atom transfer radical polymerization methods	Zaborniak, Izabela; Chmielarz, Pawel; Matyjaszewski, Krzysztof	European Polymer Journal	2019	120		109253	10.1016/j.eurpolymj.2019.109253	English
The fate of copper catalysts in atom transfer radical chemistry	Zerk, Timothy J.; Gahan, Lawrence R.; Krenke, Elizabeth H.; Bernhardt, Paul V.	Polymer Chemistry	2019	10	12	1460-1470	10.1039/c8py01688g	English
The Nanoreactor Concept: Kinetic Features of Compartmentalization in Dispersed Phase Polymerization	Zetterlund, Per B.; D'hooge, Dagmar R.	Macromolecules	2019	52	21	7963-7976	10.1021/acs.macromol.9b01037	English
A Versatile 3D and 4D Printing System through Photocontrolled RAFT Polymerization	Zhang, Zhiheng; Corrigan, Nathaniel; Bagheri, Ali; Jin, Jianyong; Boyer, Cyrille	Angewandte Chemie, International Edition	2019	58	50	17954-17963	10.1002/anie.201912608	English
Sonochemically initiated RAFT polymerization in organic solvents	Miyake, Yusuke	化学	2019	74	8	62-63		日本語
Sequence analyses and sequence rearrangement for vinyl polymers via control of depolymerization	Ouchi, Makoto	旭硝子財団助成研究成果報告書	2019			1-6		日本語
Synthesis of transparent and heat-resistant acrylic block copolymers by living radical polymerization	Takada, Kohei; Tsuji, Nagisa; Suzuki, Yasuhito; Matsumoto, Akikazu	高分子論文集	2019	76	2	113-140	10.1295/koron.2018-0056	日本語
Construction and applications of well-defined porphyrin-containing polymers	Tian, Jia; Zhang, Wei-an	Gaofenzi Xuebao	2019	50	7	653-670	10.11777/j.issn1000-3304.2019.19018	中国語
Preparation research development of polymer brushes based on controlled/living radical polymerization	Zhao, Lei; Tan, Haoxuan; Zheng, Yufei; Zhu, Lin; Wang, Jinghong; Li, Haiying; Lei, Liangcai	Gongcheng Suliao Yingyong	2019	47	7	147-150	10.3969/j.issn.1001-3539.2019.07.027	中国語
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An emerging post-polymerization modification technique: The promise of thiol-para-fluoro click reaction	Agar, Soykan; Baysak, Elif; Hizal, Gurkan; Tunca, Umit; Durmaz, Hakan	Journal of Polymer Science, Part A: Polymer Chemistry	2018	56	12	1181-1198	10.1002/pola.29004	English
Deterministic approaches for simulation of nitroxide-mediated radical polymerization	Asteasuain, Mariano	International Journal of Polymer Science	2018			7803702/1-7803702/16	10.1155/2018/7803702	English
Photochemistry for Well-Defined Polymers in Aqueous Media: From Fundamentals to Polymer Nanoparticles to Bioconjugates	Burridge, Kevin M.; Wright, Thaiesha A.; Page, Richard C.; Konkolewicz, Dominik	Macromolecular Rapid Communications	2018	39	12	n/a	10.1002/marc.201800093	English
Strategies to combine ROP with ATRP or RAFT polymerization for the synthesis of biodegradable polymeric nanoparticles for biomedical applications	Capasso Palmiero, Umberto; Sponchioni, Mattia; Manfredini, Nicolo; Maraldi, Matteo; Moscatelli, Davide	Polymer Chemistry	2018	9	30	4084-4099	10.1039/c8py00649k	English
Biocatalytic polymerization, bioinspired surfactants, and bioconjugates using RAFT polymerization	Danilson, Alex P.; Dougherty, Melissa Lucius; Falatach, Rebecca; Wright, Thaiesha A.; Clark, Emily E.; Craig, Andrew; Sahu, Indra D.; Berberich, Jason A.; Page, Richard C.; Lorigan, Gary A.; Konkolewicz, Dominik	ACS Symposium Series	2018	1285		219-232	10.1021/bk-2018-1285.ch012	English
Protein-Polymer Nanohybrids	Delaitre, G.; Beloqui, A.; Gil Alvaradejo, G.; Miceli, E.; Varadarajan, D.; Turgut, H.; Morgenstern, J.; Hubbuch, J.	Chemie Ingenieur Technik	2018	90	9	1331	10.1002/cite.201855430	English

Evolution and Future Directions of Metal-Free Atom Transfer Radical Polymerization	Discekici, Emre H.; Anastasaki, Athina; Read de Alaniz, Javier; Hawker, Craig J.	Macromolecules	2018	51	19	7421-7434	10.1021/acs.macromol.8b01401	English
Radical polymerization of alkyl 2-cyanoacrylates	Duffy, Cormac; Zetterlund, Per B.; Aldabbagh, Fawaz	Molecules	2018	23	2	23020465/1-23020465/22	10.3390/molecules23020465	English
Polymer Brushes: Efficient Synthesis and Applications	Feng, Chun; Huang, Xiaoyu	Accounts of Chemical Research	2018	51	9	2314-2323	10.1021/acs.accounts.8b00307	English
Aqueous visible-light RAFT polymerizations and applications	Figg, C. Adrian; Sumerlin, Brent S.	ACS Symposium Series	2018	1285		43-56	10.1021/bk-2018-1285.ch003	English
Graft modification of natural polysaccharides via reversible deactivation radical polymerization	Garcia-Valdez, Omar; Champagne, Pascale; Cunningham, Michael F.	Progress in Polymer Science	2018	76		151-173	10.1016/j.progpolymsci.2017.08.001	English
Controlled/Living Radical Polymerization of Semifluorinated (Meth)acrylates	Gong, Honghong; Gu, Yu; Chen, Mao	Synlett	2018	29	12	1543-1551	10.1055/s-0036-1591974	English
Polymer Synthesis with More Than One Form of Living Polymerization Method	Guo, Xiaofeng; Choi, Bonnie; Feng, Anchao; Thang, San H.	Macromolecular Rapid Communications	2018	39	20	n/a	10.1002/marc.201800479	English
Elements of RAFT navigation: RAFT 20 years later: RAFT-synthesis of uniform, sequence-defined (co)polymers	Haven, Joris J.; Hendrikx, Matthew; Junkers, Tanja; Leenaers, Pieter J.; Tsompanoglou, Theodora; Boyer, Cyrille; Xu, Jiangtao; Postma, Almar; Moad, Graeme	ACS Symposium Series	2018	1284		77-103	10.1021/bk-2018-1284.ch004	English
Polyphilicity-an extension of the concept of amphiphilicity in polymers	Heinz, Daniel; Amado, Elkin; Kressler, Joerg	Polymers	2018	10	9	960/1-960/25	10.3390/polym10090960	English
Direct hydrophilic modification of polymer surfaces via surface-initiated ATRP	Higaki, Yuji; Kobayashi, Motoyasu; Takahara, Atsushi	ACS Symposium Series	2018	1285		157-168	10.1021/bk-2018-1285.ch009	English
Bioresponsive functional nanogels as an emerging platform for cancer therapy	Huang, Dechun; Qian, Hongliang; Qiao, Haishi; Chen, Wei; Feijen, Jan; Zhong, Zhiyuan	Expert Opinion on Drug Delivery	2018	15	7	703-716	10.1080/17425247.2018.1497607	English
Responsive block copolymers for drug delivery applications. Part 2: exogenous stimuli-responsive drug-release systems	Johnson, Renjith P.; Preman, Namitha K.	Stimuli Responsive Polymeric Nanocarriers for Drug Delivery Applications	2018	1		221-246	10.1016/b978-0-08-101997-9.00010-2	English
Copper-Mediated Reversible Deactivation Radical Polymerization in Aqueous Media	Jones, Glen R.; Anastasaki, Athina; Whitfield, Richard; Engelis, Nikolaos; Liarou, Evelina; Haddleton, David M.	Angewandte Chemie, International Edition	2018	57	33	10468-10482	10.1002/anie.201802091	English
Controlled reversible deactivation radical photopolymerization	Junkers, Tanja; Laun, Joachim	RSC Polymer Chemistry Series	2018	29		244-273		English
Well-designed dopamine-imprinted polymer interface for selective and quantitative dopamine detection among catecholamines using a potentiometric biosensor	Kajisa, Taira; Li, Wei; Michinobu, Tsuyoshi; Sakata, Toshiya	Biosensors & Bioelectronics	2018	117		810-817	10.1016/j.bios.2018.07.014	English
Atom-transfer radical polymerization: New method breathes life into ATRP	Kreutzer, Johannes	Nature Reviews Chemistry	2018	2	2	0111	10.1038/s41570-018-0111	English
Metal free reversible-deactivation radical polymerizations: advances, challenges, and opportunities	Kreutzer, Johannes; Yagci, Yusuf	Polymers	2018	10	1	35/1-35/52	10.3390/polym10010035	English
Electrochemical procedures to determine thermodynamic and kinetic parameters of atom transfer radical polymerization	Lorandi, Francesca; Fantin, Marco; De Bon, Francesco; Isse, Abdirisak A.; Gennaro, Armando	ACS Symposium Series	2018	1284		161-189	10.1021/bk-2018-1284.ch007	English
Application of Nitroxide Mediated Polymerization in Different Monomer Systems	Maric, Milan	Current Organic Chemistry	2018	22	13	1264-1284	10.2174/1385272822666180404144327	English
Advanced Materials by Atom Transfer Radical Polymerization	Matyjaszewski, Krzysztof	Advanced Materials	2018	30	23	n/a	10.1002/adma.201706441	English
Hydroxyl radical activated RAFT polymerization	McKenzie, Thomas G.; Reyhani, Amin; Nothling, Mitchell D.; Qiao, Greg G.	ACS Symposium Series	2018	1284		307-321	10.1021/bk-2018-1284.ch014	English
Surface and interface designs in side-chain liquid crystalline polymer systems for photoalignment	Nagano, Shusaku	Polymer Journal	2018	50	12	1107-1119	10.1038/s41428-018-0100-4	English
Thermoresponsive Polymer Brushes for Thermally Modulated Cell Adhesion and Detachment	Nagase, Kenichi; Okano, Teruo	Polymer and Biopolymer Brushes	2018	1		361-375	10.1002/9781119455042.ch12	English
Poly(N-isopropylacrylamide) based thermoresponsive polymer brushes for bioseparation, cellular tissue fabrication, and nano actuators	Nagase, Kenichi; Okano, Teruo; Kanazawa, Hideko	Nano-Structures & Nano-Objects	2018	16		9-23	10.1016/j.nanos.2018.03.010	English
Sequence-controlled polymers via reversible-deactivation radical polymerization	Ouchi, Makoto; Sawamoto, Mitsuo	Polymer Journal	2018	50	1	83-94	10.1038/pj.2017.66	English
The RAFT Polymerization and its Application to Aqueous Dispersed Systems	Palmiero, Umberto Capasso; Singh, Jaspreet; Moscatelli, Davide	Current Organic Chemistry	2018	22	13	1285-1296	10.2174/1385272822666180322123124	English
Externally controlled atom transfer radical polymerization	Pan, Xiangcheng; Fantin, Marco; Yuan, Fang; Matyjaszewski, Krzysztof	Chemical Society Reviews	2018	47	14	5457-5490	10.1039/c8cs00259b	English
Polymer@gold nanoparticles prepared via RAFT polymerization for opto-biodetection	Pereira, Sonia O.; Barros-Timmons, Ana; Trindade, Tito	Polymers	2018	10	2	189/1-189/27	10.3390/polym10020189	English

PET-RAFT polymerization: towards green and precision polymer manufacturing	Phommalsack-Lovan, Jamie; Chu, Yingying; Boyer, Cyrille; Xu, Jiangtao	Chemical Communications	2018	54	50	6591-6606	10.1039/c8cc02783h	English
Biocatalytic ATRP	Pollard, Jonas; Bruns, Nico	ACS Symposium Series	2018	1284		379-393	10.1021/bk-2018-1284.ch019	English
Biodegradable polymeric architectures via reversible deactivation radical polymerizations	Quan, Fengyu; Zhang, Aitang; Cheng, Fangfang; Cui, Liang; Liu, Jingquan; Xia, Yanzhi	Polymers	2018	10	7	758/1-758/26	10.3390/polym10070758	English
Catalyzed radical termination (CRT) in the metal-mediated polymerization of acrylates: experimental and computational studies	Ribelli, Thomas G.; Rahaman, S. M. Wahidur; Matyjaszewski, Krzysztof; Poli, Rinaldo	ACS Symposium Series	2018	1284		135-159	10.1021/bk-2018-1284.ch006	English
Recent advances in post-modification strategies of polymeric electrospun membranes	Sagitha, P.; Reshmi, C. R.; Sundaran, Suja P.; Sujith, A.	European Polymer Journal	2018	105		227-249	10.1016/j.eurpolymj.2018.05.033	English
Synthesis of hybrid materials using graft copolymerization on non-cellulosic polysaccharides via homogenous ATRP	Seidi, Farzad; Salimi, Hamid; Shamsabadi, Ahmad Arabi; Shabani, Meisam	Progress in Polymer Science	2018	76		1-39	10.1016/j.progpolymsci.2017.07.006	English
Recent developments in external regulation of reversible addition fragmentation chain transfer (RAFT) polymerization	Shanmugam, Sivaprakash; Boyer, Cyrille; Matyjaszewski, Krzysztof	ACS Symposium Series	2018	1284		273-290	10.1021/bk-2018-1284.ch012	English
Reversible Deactivation Radical Polymerization: State-of-the-Art in 2017	Shanmugam, Sivaprakash; Matyjaszewski, Krzysztof	ACS Symposium Series	2018	1284		1-39	10.1021/bk-2018-1284.ch001	English
Programmed self-assembly of amphiphilic random copolymers in water via controlled radical polymerization	Terashima, Takaya	ACS Symposium Series	2018	1285		143-155	10.1021/bk-2018-1285.ch008	English
Recent advances in RAFT polymerization: novel initiation mechanisms and optoelectronic applications	Tian, Xiangyu; Ding, Junjie; Zhang, Bin; Qiu, Feng; Zhuang, Xiaodong; Chen, Yu	Polymers	2018	10	3	318/1-318/26	10.3390/polym10030318	English
Polymologation and ATRP: a perfect partnership toward unique polyethylene-based architectures	Wang, De; Zhang, Zhen; Zhang, Hefeng; Gnanou, Yves; Hadjichristidis, Nikos	ACS Symposium Series	2018	1285		1-24	10.1021/bk-2018-1285.ch001	English
Site-specific conjugation of polymers to proteins, and application thereof	Wang, Yanjing; Wu, Chi	Biomacromolecules	2018	19	6	1804-1825	10.1021/acs.biomac.8b00248	English
Self-assembled cellulose materials for biomedicine: A review	Yang, Jisheng; Li, Jinfeng	Carbohydrate Polymers	2018	181		264-274	10.1016/j.carbpol.2017.10.067	English
Up in the air: oxygen tolerance in controlled/living radical polymerisation	Yeow, Jonathan; Chapman, Robert; Gormley, Adam J.; Boyer, Cyrille	Chemical Society Reviews	2018	47	12	4357-4387	10.1039/c7cs00587c	English
Old meets new: Combination of PLA and RDRP to obtain sophisticated macromolecular architectures	Yildirim, Ilknur; Weber, Christine; Schubert, Ulrich S.	Progress in Polymer Science	2018	76		111-150	10.1016/j.progpolymsci.2017.07.010	English
Photoinduced metal free strategies for atom transfer radical polymerization	Yilmaz, G.; Kutahya, C.; Allushi, A.; Aydogan, C.; Aykac, S.; Yagci, Y.	ACS Symposium Series	2018	1284		263-271	10.1021/bk-2018-1284.ch011	English
Multi-mode polymerizations involving photoinduced radical polymerization	Yilmaz, Gorkem; Yagci, Yusuf	Journal of Photopolymer Science and Technology	2018	31	6	719-725	10.2494/photopolymer.31.719	English
Photoinduced metal-free atom transfer radical polymerizations: state-of-the-art, mechanistic aspects and applications	Yilmaz, Gorkem; Yagci, Yusuf	Polymer Chemistry	2018	9	14	1757-1762	10.1039/c8py00207j	English
Thermo-responsive poly(ionic liquid) nanogels prepared via one-step crosslinking copolymerization	Yu, J. R.; Zuo, Y.; Xiong, Y. B.	RSC Smart Materials	2018	29		202-224		English
Transition Metal Catalyst Separation and Recycling: Recent Progress in TPSC-based ATRP	Zhang, Bingjie; Zhang, Lifan; Cheng, Zhenping; Zhu, Xiulin	Current Organic Chemistry	2018	22	13	1256-1263	10.2174/1385272822666180430125417	English
Recent advances in RAFT-mediated surfactant-free emulsion polymerization	Zhou, Jianhua; Yao, Hongtao; Ma, Jianzhong	Polymer Chemistry	2018	9	19	2532-2561	10.1039/c8py00065d	English
Continuous flow photoinduced reversible deactivation radical polymerization	Zhu, Ning; Hu, Xin; Fang, Zheng; Guo, Kai	ChemPhotoChem	2018	2	10	831-838	10.1002/cptc.201800032	English
Development of artificial antibody by glycopolymers	Miura, Yoshiko	豊田研究報告	2018	71		192-193		日本語
Elucidation of the mechanism and synthetic utilization of termination reaction of radical polymerization based on living radical polymerization	Nakamura, Yasuyuki	高分子論文集	2018	75	5	444-455	10.1295/koron.2018-0014	日本語
Preparation of organic/inorganic hybrid particles by utilizing graft layers as a reactor	Taniguchi, Tatsuo	日本接着学会誌	2018	54	8	317-323		日本語
New adhesive tape science and industry adhesives- (3) acrylic adhesive	Urahama, Yoshiaki	コンパレーテック	2018	46	11	73-78		日本語
Enzyme catalysis for RAFT polymerization and functionalization: a sustainable strategy for synthesis of precision polymers	Guo, Hua-zhang; An, Ze-sheng	Gaofenzi Xuebao	2018		10	1253-1261	10.11777/j.issn1000-3304.2018.18120	中国語
Research progress of single electron transfer living radical polymerization	Ma, Liqun; Li, Shuang; Wang, Yazhen; Jiang, Shengyue; Zhang, Xueze	Gongcheng Suliao Yingyong	2018	46	10	137-140, 150	10.3969/j.issn.1001-3539.2018.10.027	中国語
Progress of RAFT-mediated polymerization-induced self-assembly and the preparation of functional encapsulated particles	Tan, Meng-ting; Shi, Yan; Wang, Feng	Gaofenzi Tongbao	2018		1	23-37		中国語

Construction of well-defined nanostructure: advances in preparation of graft copolymer	Yao, Yuan; Lin, Shao-liang	Gongneng Gaofenzi Xuebao	2018	31	1	16-19	10.14133/j.cnki.1008-9357.20171207001	中国語
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Functionalized Chitosan for Pharmaceutical Applications	Cheaburu-Yilmaz, Catalina Natalia; Karavana, Sinem Yaprak; Yilmaz, Onur	Current Organic Synthesis	2017	14	6	785-797	10.2174/1570179414666161115150818	English
In situ synthesis of block copolymer nano-assemblies by polymerization-induced self-assembly under heterogeneous condition	Chen, Sheng-li; Shi, Peng-fei; Zhang, Wang-qing	Chinese Journal of Polymer Science	2017	35	4	455-479	10.1007/s10118-017-1907-8	English
PNIPAM grafted surfaces through ATRP and RAFT polymerization: Chemistry and bioadhesion	Conzatti, G.; Cavale, S.; Combes, C.; Torrisoni, J.; Carrere, N.; Tourrette, A.	Colloids and Surfaces, B: Biointerfaces	2017	151		143-155	10.1016/j.colsurfb.2016.12.007	English
Visible Light Induced Organic Transformations Using Metal-Organic-Frameworks (MOFs)	Deng, Xiaoyu; Li, Zhaohui; Garcia, Hermenegildo	Chemistry - A European Journal	2017	23	47	11189-11209	10.1002/chem.201701460	English
Electron Transfer Reactions in Atom Transfer Radical Polymerization	Fantin, Marco; Lorandi, Francesca; Gennaro, Armando; Isse, Abdirisak A.; Matyjaszewski, Krzysztof	Synthesis	2017	49	15	3311-3322	10.1055/s-0036-1588873	English
Graft polymer synthesis by RAFT transfer-to	Foster, Jeffrey C.; Radzinski, Scott C.; Matson, John B.	Journal of Polymer Science, Part A: Polymer Chemistry	2017	55	18	2865-2876	10.1002/pola.28621	English
Chemically modified nanopores in colloidal crystals	Fullwood, E.; Green, E.; Selden, J.; Zharov, I.	Chemically Modified Nanopores and Nanochannels	2017			103-129	10.1016/b978-0-323-40182-1.00005-1	English
Controlled Polymerization of Multivinyl Monomers: Formation of Cyclized/Knotted Single-Chain Polymer Architectures	Gao, Yongsheng; Newland, Ben; Zhou, Dezhong; Matyjaszewski, Krzysztof; Wang, Wenxin	Angewandte Chemie, International Edition	2017	56	2	450-460	10.1002/anie.201608786	English
Synthesis of Star Polymers by RAFT Polymerization as Versatile Nanoparticles for Biomedical Applications	Hu, Jinming; Qiao, Ruirui; Whittaker, Michael R.; Quinn, John F.; Davis, Thomas P.	Australian Journal of Chemistry	2017	70	11	1161-1170	10.1071/ch17391	English
Versatile Functionalization of Polysaccharides via Polymer Grafts: From Design to Biomedical Applications	Hu, Yang; Li, Yang; Xu, Fu-Jian	Accounts of Chemical Research	2017	50	2	281-292	10.1021/acs.accounts.6b00477	English
Sustainable Vinyl Polymers via Controlled Polymerization of Terpenes	Kamigaito, Masami; Satoh, Kotaro	Sustainable Polymers from Biomass	2017			55-90	10.1002/9783527340200.ch4	English
Kinetics of Atom Transfer Radical Polymerization	Krys, Pawel; Matyjaszewski, Krzysztof	European Polymer Journal	2017	89		482-523	10.1016/j.eurpolymj.2017.02.034	English
Multi-functional poly(vinylidene fluoride) graft copolymers	Kuila, Atanu; Chatterjee, Dhruba P.; Maity, Nabasmita; Nandi, Arun K.	Journal of Polymer Science, Part A: Polymer Chemistry	2017	55	16	2569-2584	10.1002/pola.28671	English
Membrane chromatography for protein purifications from ligand design to functionalization	Liu, Zizhao; Wickramasinghe, S. Ranil; Qian, Xianghong	Separation Science and Technology	2017	52	2	299-319	10.1080/01496395.2016.1223133	English
Single-Electron Transfer Living Radical Polymerization Platform to Practice, Develop, and Invent	Lligadas, Gerard; Grama, Silvia; Percec, Virgil	Biomacromolecules	2017	18	10	2981-3008	10.1021/acs.biomac.7b01131	English
Recent Developments in the Synthesis of Biomacromolecules and their Conjugates by Single Electron Transfer-Living Radical Polymerization	Lligadas, Gerard; Grama, Silvia; Percec, Virgil	Biomacromolecules	2017	18	4	1039-1063	10.1021/acs.biomac.7b00197	English
Phosphonium polymers for gene delivery	Loczenski Rose, Vanessa; Mastrotto, Francesca; Mantovani, Giuseppe	Polymer Chemistry	2017	8	2	353-360	10.1039/c6py01855f	English
RAFT polymerization to form stimuli-responsive polymers	Moad, Graeme	Polymer Chemistry	2017	8	1	177-219	10.1039/c6py01849a	English
Reversible addition-fragmentation chain transfer (co)polymerization of conjugated diene monomers: butadiene, isoprene and chloroprene	Moad, Graeme	Polymer International	2017	66	1	26-41	10.1002/pi.5173	English
50th Anniversary Perspective: Metal-Catalyzed Living Radical Polymerization: Discovery and Perspective	Ouchi, Makoto; Sawamoto, Mitsuo	Macromolecules	2017	50	7	2603-2614	10.1021/acs.macromol.6b02711	English
Dormant polymers and their role in living and controlled polymerizations; influence on polymer chemistry, particularly on the ring opening polymerization	Penczek, Stanislaw; Pretula, Julia; Lewinski, Piotr	Polymers	2017	9	12	646/1-646/18	10.3390/polym9120646	English
50th Anniversary Perspective: RAFT Polymerization-A User Guide	Perrier, Sebastien	Macromolecules	2017	50	19	7433-7447	10.1021/acs.macromol.7b00767	English
Radical Ring-Opening Polymerization: Scope, Limitations, and Application to (Bio)Degradable Materials	Tardy, Antoine; Nicolas, Julien; Gimes, Didier; Lefay, Catherine; Guillauneuf, Yohann	Chemical Reviews	2017	117	3	1319-1406	10.1021/acs.chemrev.6b00319	English
Thermoresponsive gels	Taylor, M. Joan; Tomlins, Paul; Sahota, Tarsem S.	Gels	2017	3	1	4/1-4/31	10.3390/gels3010004	English
Organocatalyzed Atom Transfer Radical Polymerization: Perspectives on Catalyst Design and Performance	Theriot, Jordan C.; McCarthy, Blaine G.; Lim, Chem-Hooi; Miyake, Garret M.	Macromolecular Rapid Communications	2017	38	13	n/a	10.1002/marc.201700040	English
Photo-controlled organocatalyzed living radical polymerization and its application to polymer brush synthesis on surface	Wang, Chen-Gang; Li, Feifei; Goto, Atsushi	Journal of Photopolymer Science and Technology	2017	30	4	379-383	10.2494/photopolymer.30.379	English

Rosin-Derived Monomers and Their Progress in Polymer Application	Wang, Jifu; Liu, Shaofeng; Yu, Juan; Lu, Chuanwei; Wang, Chunpeng; Chu, Fuxiang	Sustainable Polymers from Biomass	2017			103-149	10.1002/9783527340200.ch6	English
Recent progress on hyperbranched polymers synthesized via radical-based self-condensing vinyl polymerization	Wang, Xiaofeng; Gao, Haifeng	Polymers	2017	9	6	188/1-188/22	10.3390/polym9060188	English
Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA): New Insights and Opportunities	Yeow, Jonathan; Boyer, Cyrille	Advanced Science	2017	4	7	n/a	10.1002/advs.201700137	English
Preparation and Applications of Polymers with Pendant Fatty Chains from Plant Oils	Yuan, Liang; Wang, Zhongkai; Trenor, Nathan M.; Tang, Chuanbing	Sustainable Polymers from Biomass	2017			181-207	10.1002/9783527340200.ch8	English
Metallomacromolecules containing cobalt sandwich complexes: Synthesis and functional materials properties	Zhao, Li; Liu, Xiong; Zhang, Li; Qiu, Guirong; Astruc, Didier; Gu, Haibin	Coordination Chemistry Reviews	2017	337		34-79	10.1016/j.ccr.2017.02.009	English
Proton exchange membranes prepared via atom transfer radical polymerization for proton exchange membrane fuel cell: Recent advances and perspectives	Zhao, Yang; Li, Xue; Wang, Shubo; Li, Weiwei; Wang, Xueke; Chen, Sitong; Chen, Jing; Xie, Xiaofeng	International Journal of Hydrogen Energy	2017	42	50	30013-30028	10.1016/j.ijhydene.2017.08.167	English
Recent progress in living radical polymerization	Fujita, Takehiro; Yamago, Shigeru	ネットワークポリマー	2017	38	1	4-13		日本語
Precision design of polymer gel networks based on living radical polymerization and monomer sequence control	Ida, Shohei	高分子論文集	2017	74	5	365-374	10.1295/koron.2017-0020	日本語
Living radical polymerization under photoirradiation	Yamago, Shigeru	日本接着学会誌	2017	53	5	157-163	10.11618/adhesion.53.157	日本語
Stimuli-responsive gradient polymers	Guo, Xiaofeng; Pan, Xiangyu; Wei, Xiaohu; Feng, Anchao; Thang, San H.	Huaxue Jinzhan	2017	29	10	1184-1194	10.7536/pc170340	中国語
Progress of sulfonyl chlorides in the radical polymerization	Li, Cui-ping; Zhou, Tian-zhu; Zhu, Tian-wen	Gaofenzi Tongbao	2017		1	22-34		中国語
Macromolecular engineering on benzophenanthrene based discotic side-chain liquid crystalline polymers	Mu, Bin; Wu, Bin; Chen, Dong-zhong	Gaofenzi Xuebao	2017		10	1574-1590	10.11777/j.issn1000-3304.2017.17125	中国語
Advances in modification of graphene oxide by atom transfer radical polymerization	Wang, Lifang; Ping, Xiaofan; Sun, Kai; Chen, Qing; Pan, Kai	Gaofenzi Cailliao Kexue Yu Gongcheng	2017	33	2	184-190	10.16865/j.cnki.1000-7555.2017.02.034	中国語
Synthesis and self-assembly of responsive branched polymers and their biomedical applications	Wang, Long-hai; Hong, Chun-yan	Gaofenzi Xuebao	2017		2	200-213	10.11777/j.issn1000-3304.2017.16305	中国語
Recent progress in photo-mediated living radical polymerization	Xie, Shan; Tang, Hua-dong	Gaofenzi Tongbao	2017		7	7-15		中国語
Two existing problems and countermeasures for profile controlling and flooding polymer microsphere	Zhang, Peng; Jia, Zhenfu; Zhou, Chengyu; Chen, Shilan; Huang, Wenzhang	Daqing Shiyou Dizhi Yu Kaifa	2017	36	4	95-100	10.19597/j.issn.1000-3754.201609020	中国語
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Hyperbranched polymers via RAFT self-condensing vinyl polymerization	Alfurhood, Jawaher A.; Bachler, Patricia R.; Sumerlin, Brent S.	Polymer Chemistry	2016	7	20	3361-3369	10.1039/c6py00571c	English
Cu(0)-mediated living radical polymerization: recent highlights and applications; a perspective	Anastasaki, Athina; Nikolaou, Vasiliki; Haddleton, David M.	Polymer Chemistry	2016	7	5	1002-1026	10.1039/c5py01916h	English
Cu(0)-Mediated Living Radical Polymerization: A Versatile Tool for Materials Synthesis	Anastasaki, Athina; Nikolaou, Vasiliki; Nurumbetov, Gabit; Wilson, Paul; Kempe, Kristian; Quinn, John F.; Davis, Thomas P.; Whittaker, Michael R.; Haddleton, David M.	Chemical Reviews	2016	116	3	835-877	10.1021/acs.chemrev.5b00191	English
Molecularly imprinted polymer nanomaterials and nanocomposites by controlled/living radical polymerization	Beyazit, Selim; Tse Sum Bui, Bernadette; Haupt, Karsten; Gonzato, Carlo	Progress in Polymer Science	2016	62		1-21	10.1016/j.progpolymsci.2016.04.001	English
Surface-initiated nitroxide-mediated polymerization	Billon, Laurent; Save, Maud; Cunningham, Michael F.	RSC Polymer Chemistry Series	2016	19		406-440		English
Copper-Mediated Living Radical Polymerization (Atom Transfer Radical Polymerization and Copper(0) Mediated Polymerization): From Fundamentals to Bioapplications	Boyer, Cyrille; Corrigan, Nathaniel Alan; Jung, Kenward; Nguyen, Diep; Nguyen, Thuy-Khanh; Adnan, Nik Nik M.; Oliver, Susan; Shanmugam, Sivaprakash; Yeow, Jonathan	Chemical Reviews	2016	116	4	1803-1949	10.1021/acs.chemrev.5b00396	English
Detailed Kinetic and Mechanistic Insight into Radical Polymerization by Spectroscopic Techniques	Buback, Michael; Schroeder, Hendrik; Kattner, Hendrik	Macromolecules	2016	49	9	3193-3213	10.1021/acs.macromol.5b02660	English
A Critical Appraisal of RAFT-Mediated Polymerization-Induced Self-Assembly	Canning, Sarah L.; Smith, Gregory N.; Armes, Steven P.	Macromolecules	2016	49	6	1985-2001	10.1021/acs.macromol.5b02602	English
Harnessing the power of latex solutions based on titania particles - using si-ATRP towards larger surface modification for applications in gas separation membranes	Cao, Edgar; Prouzet, Eric; Heroguez, Valerie	Colloids and Surfaces, A: Physicochemical and Engineering Aspects	2016	510		245-253	10.1016/j.colsurfa.2016.04.066	English
Light-Controlled Radical Polymerization: Mechanisms, Methods, and Applications	Chen, Mao; Zhong, Mingjiang; Johnson, Jeremiah A.	Chemical Reviews	2016	116	17	10167-10211	10.1021/acs.chemrev.5b00671	English
CO2-responsive polymeric materials: synthesis, self-assembly, and functional applications	Darabi, Ali; Jessop, Philip G.; Cunningham, Michael F.	Chemical Society Reviews	2016	45	15	4391-4436	10.1039/c5cs00873e	English
Nitroxide-mediated polymerization in dispersed media	Delaittre, Guillaume	RSC Polymer Chemistry Series	2016	19		199-263		English

Chain Transfer in Degenerative RAFT Polymerization Revisited: A Comparative Study of Literature Methods	Derboven, Pieter; Van Steenberge, Paul H. M.; Reyniers, Marie-Francoise; Barner-Kowollik, Christopher; D'hooge, Dagmar R.; Marin, Guy B.	Macromolecular Theory and Simulations	2016	25	2	104-115	10.1002/mats.201500076	English
Fabrication of novel stir bar sorptive extraction coating based on magnetic molecularly imprinted polymer through atom transfer radical polymerization for trace analysis of estrogens in milk	Diu, Xiuzhen; Wu, Yan; Chen, Dazhi; Lai, Liangyang; Liang, Yong; Guo, Huishi	Journal of Nanoscience and Nanotechnology	2016	16	12	12374-12381	10.1166/jnn.2016.12968	English
Surface modification of electrospun fibers for biomedical applications: A focus on radical polymerization methods	Duque Sanchez, Lina; Brack, Narelle; Postma, Almar; Pigram, Paul J.; Meagher, Laurence	Biomaterials	2016	106		24-45	10.1016/j.biomaterials.2016.08.011	English
Surface-initiated living radical polymerizations using iodine, organotellurium, and organic catalysts	Goto, Atsushi; Tsujii, Yoshinobu	Advances in Polymer Science	2016	270		107-122	10.1007/12_2015_310	English
Continuous flow copper-mediated reversible deactivation radical polymerizations	Hu, Xin; Zhu, Ning; Fang, Zheng; Li, Zhenjiang; Guo, Kai	European Polymer Journal	2016	80		177-185	10.1016/j.eurpolymj.2016.04.006	English
Surface-initiated atom transfer radical polymerization for applications in sensors, non-biofouling surfaces and adsorbents	Huang, Chih-Feng	Polymer Journal	2016	48	4	341-350	10.1038/pj.2016.24	English
Block copolymer synthesis by controlled/living radical polymerization in heterogeneous systems	Jennings, J.; He, G.; Howdle, S. M.; Zetterlund, P. B.	Chemical Society Reviews	2016	45	18	5055-5084	10.1039/c6cs00253f	English
Continuous photoflow synthesis of precision polymers	Junkers, T.; Wenn, B.	Reaction Chemistry & Engineering	2016	1	1	60-64	10.1039/c5re00042d	English
Recent developments in nitroxide mediated polymerization	Junkers, Thomas; Barner-Kowollik, Christopher; Lalevee, Jacques	RSC Polymer Chemistry Series	2016	19		264-304		English
Dissolution, gelation, functionalization, and material preparation of chitin using ionic liquids	Kadokawa, Jun-ichi	Pure and Applied Chemistry	2016	88	6	621-629	10.1515/pac-2016-0503	English
Combined nitroxide mediated radical polymerization techniques for block copolymer synthesis	Kermagoret, Anthony; Gimes, Didier	Tetrahedron	2016	72	48	7672-7685	10.1016/j.tet.2016.07.002	English
Surface-Initiated Atom Transfer Radical Polymerization	Khabibullin, Amir; Mastan, Erlita; Matyjaszewski, Krzysztof; Zhu, Shiping	Advances in Polymer Science	2016	270		29-76	10.1007/12_2015_311	English
Novel materials: from nanoporous materials to micro-electronics	Lessard, Benoit H.	RSC Polymer Chemistry Series	2016	19		441-493		English
Encapsulation of Gibbsite Platelets With Free Radical and Controlled Radical Emulsion Polymerization Approaches, a Small Review	Loiko, Olessya P.; Spoelstra, Anne B.; van Herk, Alexander M.; Meuldijk, Jan; Heuts, Johan P. A.	Macromolecular Symposia	2016	370	1	66-74	10.1002/masy.201600085	English
NMP under homogenous conditions in bulk, organic solvents and aqueous systems	Maric, Milan	RSC Polymer Chemistry Series	2016	19		153-198		English
Functionalization and properties of graphene	Nandi, Arun K.; Kundu, Aniruddha; Layek, Rama K.	Graphene Science Handbook: Size-Dependent Properties	2016			187-219	10.1201/b19460-17	English
NMP of methacrylic esters: how to circumvent a long-time obstacle	Nicolas, Julien; Guegain, Elise; Guillaneuf, Yohann	RSC Polymer Chemistry Series	2016	19		305-348		English
Nitroxide-Mediated Polymerization from Surfaces	Phan, Trang N. T.; Jestin, Jacques; Gimes, Didier	Advances in Polymer Science	2016	270		1-27	10.1007/12_2015_317	English
Towards the development of highly active copper catalysts for atom transfer radical addition (ATRA) and polymerization (ATRP)	Pintauer, Tomislav	Chemical Papers	2016	70	1	22-42	10.1515/chempap-2015-0183	English
Microwave-assisted controlled radical polymerization	Reynaud, Stephanie; Grassl, Bruno	Advances in Polymer Science	2016	274		131-148	10.1007/12_2014_302	English
Galactosylated Polymer Nano-objects by Polymerization-Induced Self-Assembly, Potential Drug Nanocarriers	Semsarilar, Mona; Canton, Irene; Ladmiral, Vincent	Methods in Molecular Biology	2016	1367		89-108	10.1007/978-1-4939-3130-9_8	English
The living dead - common misconceptions about reversible deactivation radical polymerization	Stenzel, Martina H.; Barner-Kowollik, Christopher	Materials Horizons	2016	3	6	471-477	10.1039/c6mh00265j	English
Functional Interfaces Constructed by Controlled/Living Radical Polymerization for Analytical Chemistry	Wang, Huai-Song; Song, Min; Hang, Tai-Jun	ACS Applied Materials & Interfaces	2016	8	5	2881-2898	10.1021/acsami.5b10465	English
Surface-initiated SET-LRP mediated by mussel-inspired polydopamine chemistry for controlled building of novel core-shell magnetic nanoparticles for highly-efficient uranium enrichment	Yang, Yang; Wang, Jianchen; Wu, Fengcheng; Ye, Gang; Yi, Rong; Lu, Yuexiang; Chen, Jing	Polymer Chemistry	2016	7	13	2427-2435	10.1039/c6py00109b	English
Synthesis of glycopolymers and recent developments	Yilmaz, Gokhan; Becer, C. Remzi	Carbohydrate Nanotechnology	2016			137-173	10.1002/9781118860212.ch6	English
New photochemical processes for macromolecular syntheses	Yilmaz, Gorkem; Yagci, Yusuf	Journal of Photopolymer Science and Technology	2016	29	1	91-98	10.2494/photopolymer.29.91	English
Radical-Mediated Enzymatic Polymerizations.	Zavada, Scott R; Battsengel, Tsatsral; Scott, Timothy F	International journal of molecular sciences	2016	17	2		10.3390/ijms17020195	English
Recent advances in organic-inorganic well-defined hybrid polymers using controlled living radical polymerization techniques	Zhang, Zhenghe; Zhang, Pengcheng; Wang, Yong; Zhang, Weian	Polymer Chemistry	2016	7	24	3950-3976	10.1039/c6py00675b	English

Reversible Addition-Fragmentation Chain Transfer Polymerization from Surfaces	Zhao, Youliang; Perrier, Sebastien	Advances in Polymer Science	2016	270		77-106	10.1007/12_2015_316	English
Surface functionalization of biomaterials by radical polymerization	Zhou, Tian; Zhu, Yizhou; Li, Xia; Liu, Xiangmei; Yeung, Kelvin W. K.; Wu, Shuilin; Wang, Xianbao; Cui, Zhenduo; Yang, Xianjin; Chu, Paul K.	Progress in Materials Science	2016	83		191-235	10.1016/j.pmatsci.2016.04.005	English
State-of-the-Art and Progress in Method of Moments for the Model-Based Reversible-Deactivation Radical Polymerization	Zhou, Yin-Ning; Luo, Zheng-Hong	Macromolecular Reaction Engineering	2016	10	6	516-534	10.1002/mren.201500080	English
Surface modification of non-woven electrospun fine fiber mats through surface-initiated atom transfer radical polymerization	Higaki, Yuji; Yano, Takahiro; Tao, Di; Kabayama, Hirofumi; Takahara, Atsushi	高分子論文集	2016	73	3	225-232	10.1295/koron.2015-0085	日本語
Development and industrialization of pressure sensitive adhesive using a living radical polymerization	Kawano, Kazuhiro	日本接着学会誌	2016	52	10	300-305	10.11618/adhesion.52.300	日本語
Living radical polymerization with organic catalysts taking advantage of organo-iodide compounds	Miyamoto, Mitsuhiko; Kaiho, Tatsuo; Goto, Atsushi	ファインケミカル	2016	45	12	53-61		日本語
Living radical polymerization under high pressure and the application to development of functional materials	Shuyao, Xu; Tsujii, Takashi-Wataru	現代化学	2016	538		43-45		日本語
Preparation of functional polymer particles by a combination of heterophase radical polymerization and living radical polymerization	Taniguchi, Tatsuo	色材協会誌	2016	89	11	395-398	10.4011/shikizai.89.395	日本語
Functional polymers via precision radical polymerization cutting edge in primary structure control and self-assembly	Terashima, Takaya; Sawamoto, Mitsuo	高分子	2016	65	9	503-505		日本語
Progress of reversible deactivation radical polymerization (RDRP) with alkyl iodide	Chen, Ke-long; Shi, Yan; Yang, Wan-tai; Fu, Zhi-feng	Gaofenzi Tongbao	2016		2	1-15	10.14028/j.cnki.1003-3726.2016.02.001	中国語
Controlled synthesis and properties of gradient copolymer	Guo, Yunlong; Luo, Yingwu	Huagong Xuebao	2016	67	1	218-230	10.11949/j.issn.0438-1157.20151043	中国語
Living/controlled free radical polymerization of N-vinyl caprolactam	He, Fuxi; Tang, Gang; Min, Xiaoyan; Hu, Minqi; Shao, Lidong; Bi, Yunmei	Huaxue Jinzhan	2016	28	2-3	328-336	10.7536/pc150823	中国語
Synthesis and application of main- or side-chain ferrocene-based polymers	Kim, Hyongdo; Wang, Li; Yu, Haojie; Tong, Rongbai; Zhou, Weidong	Huaxue Jinzhan	2016	28	1	51-57	10.7536/pc150620	中国語
Recent advances and applications in surface-initiated polymer brushes	Li, Bin; Yu, Bo; Zhou, Feng	Gaofenzi Xuebao	2016		10	1312-1329	10.11777/j.issn1000-3304.2016.16198	中国語
Progress in cellulose modification under homogeneous reaction condition via ATRP	Lu, Sheng-chang; Wu, Long-hui; Lin, Xin-xing; Wu, Hui; Huang, Liu-lian; Chen, Li-hui	Xianweisu Kexue Yu Jishu	2016	24	4	56-67	10.16561/j.cnki.xws.2016.04.07	中国語
Research progress of block copolymers based on polyisoprene	Shao, Guang-qiang; Luo, Zhang; Jiang, Xiu-bo; Yao, Wei	Gaofenzi Tongbao	2016		7	1-8	10.14028/j.cnki.1003-3726.2016.07.001	中国語
Progress in radical technology for α -olefins homopolymerization or copolymerization with functional monomers	Shen, Xian-rong; Fu, Zhi-sheng; Lin, Ying; Gao, Jian-gang	Gongneng Gaofenzi Xuebao	2016	29	1	109-114	10.14133/j.cnki.1008-9357.2016.01.015	中国語
Progress in the preparation and characterization of pH-responsive polymer	Wang, Shi-jie; Huang, Wen; Wang, Lei; Cui, Yue-zhi; Li, Tian-duo	Gaofenzi Tongbao	2016		4	61-79	10.14028/j.cnki.1003-3726.2016.04.007	中国語
New development of PVC production technology in the world (to the end)	Xue, Zhihua	Juluyixi	2016	44	2	1-19, 32		中国語
New development of PVC production technology in world (to be continued)	Xue, Zhihua	Juluyixi	2016	44	1	1-10		中国語
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Highlight on the mathematical modeling of controlled free radical polymerization	Al-Harathi, Mamdouh A.	International Journal of Polymer Science	2015			1-13	10.1155/2015/469353	English
Unprecedented control over the acrylate and acrylamide polymerization in aqueous and organic media	Anastasakis, Athina; Nikolaou, Vasiliki; Alsubaie, Fehaid; Simula, Alexandre; Waldron, Christopher; Lloyd, Danielle J.; Godfrey, Jamie; Nurumbetov, Gabit; Zhang, Qiang; Wilson, Paul; Kempe, Kristian; Haddleton, David M.	ACS Symposium Series	2015	1188		29-45	10.1021/bk-2015-1188.ch003	English
Well-defined biohybrids using reversible-deactivation radical polymerization procedures	Averick, Saadyah; Mehl, Ryan A.; Das, Subha R.; Matyjaszewski, Krzysztof	Journal of Controlled Release	2015	205		45-57	10.1016/j.jconrel.2014.11.030	English
The Link that Lasts: A New Frontier in Supramolecular Block Copolymer Design	Barner, Leonie; Barner-Kowollik, Christopher	Angewandte Chemie, International Edition	2015	54	40	11612-11614	10.1002/anie.201506602	English
Cellulose grafting by atom transfer radical polymerization method	Cankaya, Nevin	Cellulose	2015			63-91	10.5772/61707	English
Living radical polymerization from colloidally-templated nanopatterned surface	Cao, Peng-Fei; Foster, Edward; de Leon, Al; Advincola, Rigoberto	ACS Symposium Series	2015	1188		169-185	10.1021/bk-2015-1188.ch012	English
Water soluble polythiophenes: preparation and applications	Das, Sandip; Chatterjee, Dhruva P.; Ghosh, Radhakanta; Nandi, Arun K.	RSC Advances	2015	5	26	20160-20177	10.1039/c4ra16496b	English
Recent Progress on Transition Metal Catalyst Separation and Recycling in ATRP	Ding, Mingqiang; Jiang, Xiaowu; Zhang, Lifen; Cheng, Zhenping; Zhu, Xiulin	Macromolecular Rapid Communications	2015	36	19	1702-1721	10.1002/marc.201500085	English

Exploring the full potential of reversible deactivation radical polymerization using pareto-optimal fronts	Fierens, Stijn K.; D'hooge, Dagmar; Van Steenberghe, Paul H. M.; Reyniers, Marie-Francoise; Marin, Guy B.	Polymers	2015	7	4	655-679	10.3390/polym7040655	English
Interfacial RAFT Miniemulsion Polymerization: Architectures from an Interface	Fuchs, Adrian V.; Thurecht, Kristofer J.	Macromolecular Chemistry and Physics	2015	216	12	1271-1281	10.1002/macp.201500061	English
Monoclonal antibody-targeted polymeric nanoparticles for cancer therapy - future prospects	Goodall, Stephen; Jones, Martina L.; Mahler, Stephen	Journal of Chemical Technology and Biotechnology	2015	90	7	1169-1176	10.1002/jctb.4555	English
Photo-induced living radical polymerization via organic catalysis	Goto, Atsushi	Journal of Photopolymer Science and Technology	2015	28	1	37-42	10.2494/photopolymer.28.37	English
Nitroxide-Mediated Polymerization of Methacrylic Esters: Insights and Solutions to a Long-Standing Problem	Guegain, Elise; Guillauneuf, Yohann; Nicolas, Julien	Macromolecular Rapid Communications	2015	36	13	1227-1247	10.1002/marc.201500042	English
Expanding the Scope of RAFT Polymerization: Recent Advances and New Horizons	Hill, Megan R.; Carmean, R. Nicholas; Sumerlin, Brent S.	Macromolecules	2015	48	16	5459-5469	10.1021/acs.macromol.5b0034	English
The interplay of ATRP, OMRP and CCT in iron-mediated controlled radical polymerization	Lake, Benjamin R. M.; Shaver, Michael P.	ACS Symposium Series	2015	1187		311-326	10.1021/bk-2015-1187.ch017	English
Tapping the Potential of Polymer Brushes through Synthesis	Li, Bin; Yu, Bo; Ye, Qian; Zhou, Feng	Accounts of Chemical Research	2015	48	2	229-237	10.1021/ar500323p	English
Controlled radical polymerization: state-of-the-art in 2014	Matyjaszewski, Krzysztof	ACS Symposium Series	2015	1187		1-17	10.1021/bk-2015-1187.ch001	English
RAFT polymerization - then and now	Moad, Graeme	ACS Symposium Series	2015	1187		211-246	10.1021/bk-2015-1187.ch012	English
Advances in Switchable RAFT Polymerization	Moad, Graeme; Keddie, Daniel; Guerrero-Sanchez, Carlos; Rizzardo, Ezio; Thang, San H.	Macromolecular Symposia	2015	350	1	34-42	10.1002/masy.201400022	English
Two decades of molecular brushes by ATRP	Neugebauer, Dorota	Polymer	2015	72		413-421	10.1016/j.polymer.2015.02.054	English
Mechanistic perspectives on stereocontrol in lewis acid-mediated radical polymerization: lessons from small-molecule synthesis	Noble, Benjamin B.; Coote, Michelle L.	Advances in Physical Organic Chemistry	2015	49		189-258	10.1016/bs.apoc.2015.07.002	English
Advances in cellulose-based graft polymers prepared via controlled radical polymerization methods	Parida, Umesh Kumar; Bindhani, Birendra Kumar; Biswal, Susanta Kumar; Nayak, Padmalochan	Cellulose-Based Graft Copolymers	2015			89-122	10.1201/b18390-7	English
Tris(2-pyridylmethyl)amine based ligands in copper catalyzed atom transfer radical addition (ATRA) and polymerization (ATRP)	Pintauer, Tomislav	ACS Symposium Series	2015	1187		105-128	10.1021/bk-2015-1187.ch006	English
New Phenomena in Organometallic-Mediated Radical Polymerization (OMRP) and Perspectives for Control of Less Active Monomers	Poli, Rinaldo	Chemistry - A European Journal	2015	21	19	6988-7001	10.1002/chem.201500015	English
Progress in side-chain thiophene-containing polymers: synthesis, properties and applications	Qiao, Yali; Yin, Xiaodong; Tang, Chuanbing	Science China: Chemistry	2015	58	11	1641-1650	10.1007/s11426-015-5434-6	English
Synthesis and Biomedical Applications of Poly((meth)acrylic acid) Brushes	Qu, Zhenyuan; Xu, Hong; Gu, Hongchen	ACS Applied Materials & Interfaces	2015	7	27	14537-14551	10.1021/acsami.5b02912	English
Design Strategies for the Fabrication of Tailored Nanocomposites via RAFT Polymerization	Rossner, Christian; Ebeling, Bastian; Vana, Philipp	ACS Symposium Series	2015	1188		293-307	10.1021/bk-2015-1188.ch018	English
Polymerization	Soni, Dipti; Trivedi, Monika; Ameta, Rakshit	Microwave-Assisted Organic Synthesis	2015			311-337	10.1201/b17953-16	English
Simultaneous control over monomer sequence and molecular weight using the RAFT process	ten Brummelhuis, Niels; Weck, Marcus	ACS Symposium Series	2015	1187		269-282	10.1021/bk-2015-1187.ch014	English
Grafting of cellulose-based materials: techniques, factors, and applications of the grafted products	Tosh, Biranchinarayan	Cellulose-Based Graft Copolymers	2015			365-391	10.1201/b18390-18	English
Polyacrylonitrile-polyaniline composite nanofiber webs: Effects of solvents, redoping process and dispersion technique	Ucar, Nuray; Kizildag, Nuray; Onen, Aysen; Karacan, Ismail; Eren, Olcay	Fibers and Polymers	2015	16	10	2223-2236	10.1007/s12221-015-5426-3	English
Polymer nanostructures synthesized by controlled living polymerization for tumor-targeted drug delivery	Wang, Christine E.; Stayton, Patrick S.; Pun, Suzie H.; Convertine, Anthony J.	Journal of Controlled Release	2015	219		345-354	10.1016/j.jconrel.2015.08.054	English
Challenges and developments of self-assembled monolayers and polymer brushes as a green lubrication solution for tribological applications	Watson, Simon; Nie, Mengyan; Wang, Ling; Stokes, Keith	RSC Advances	2015	5	109	89698-89730	10.1039/c5ra17468f	English
Polymer-protein/peptide bioconjugates	Wilson, Paul; Nicolas, Julien; Haddleton, David M.	Chemistry of Organo-Hybrids	2015			466-502	10.1002/9781118870068.ch12	English
Surface-initiated controlled radical polymerizations from silica nanoparticles, gold nanocrystals, and bionanoparticles	Wu, Lei; Glebe, Ulrich; Boeker, Alexander	Polymer Chemistry	2015	6	29	5143-5184	10.1039/c5py00525f	English
Iron-catalyzed atom transfer radical polymerization	Xue, Zhigang; He, Dan; Xie, Xiaolin	Polymer Chemistry	2015	6	10	1660-1687	10.1039/c4py01457j	English

Visible light-induced atom transfer radical polymerization for macromolecular syntheses	Yagci, Yusuf; Tasdelen, Mehmet Atilla; Kiskan, Baris; Ciftci, Mustafa; Dadashi-Silab, Sajjad; Taskin, Omer Suat; Yilmaz, Gorkem	ACS Symposium Series	2015	1187		145-158	10.1021/bk-2015-1187.ch008	English
Side-chain cobaltocenium-containing polymers: Controlled polymerization and applications	Yan, Yi; Zhang, Jiuyang; Tang, Chuanbing	ACS Symposium Series	2015	1188		15-27	10.1021/bk-2015-1188.ch002	English
Controlled/Living Radical Polymerization in Dispersed Systems: An Update	Zetterlund, Per B.; Thickett, Stuart C.; Perrier, Sebastien; Bourgeat-Lami, Elodie; Lansalot, Muriel	Chemical Reviews	2015	115	18	9745-9800	10.1021/cr500625k	English
Signal amplification strategies for DNA and protein detection based on polymeric nanocomposites and polymerization: A review	Zhou, Shaohong; Yuan, Liang; Hua, Xin; Xu, Lingling; Liu, Songqin	Analytica Chimica Acta	2015	877		19-32	10.1016/j.aca.2015.01.034	English
Recent advances in synthesis of waterborne polyurethane and their application in water-based ink: a review	Zhou, Xing; Li, Yan; Fang, Changqing; Li, Shujuan; Cheng, Youliang; Lei, Wanqing; Meng, Xiangjie	Journal of Materials Science & Technology	2015	31	7	708-722	10.1016/j.jmst.2015.03.002	English
Star polymers for biomedical applications	Ando, Tsuyoshi	高分子論文集	2015	72	7	410-420	10.1295/koron.2015-0009	日本語
Organocatalyzed living radical polymerization	Goto, Atsushi	ファインケミカル	2015	44	11	32-38		日本語
Living radical polymerization with organic catalysts under thermal heating and photo irradiation	Goto, Atsushi	高分子論文集	2015	72	5	199-207	10.1295/koron.2014-0081	日本語
Development of adhesives by living radical polymerization	Kawano, Kazuhiro	コンバーテック	2015	43	7	102-105		日本語
Design and functions of fluorous nanospaces with microgel star polymers and amphiphilic Random copolymers	Koda, Yuta; Terashima, Takaya; Sawamoto, Mitsuo	高分子論文集	2015	72	12	691-706	10.1295/koron.2015-0066	日本語
Preparation of functional polymer particles by controlled living radical polymerizations	Minami, Hideto	ファインケミカル	2015	44	11	47-54		日本語
Creation of amino acid-based polymeric nano-assemblies by RAFT polymerization	Mori, Hideharu	高分子論文集	2015	72	5	275-284	10.1295/koron.2014-0091	日本語
Development of telechelic polyacrylate by atom transfer radical polymerization	Nakagawa, Yoshiki	ファインケミカル	2015	44	11	55-60		日本語
Organotellurium-mediated living radical polymerization	Nakamura, Yasuyuki; Yamago, Shigeru	ファインケミカル	2015	44	11	25-31		日本語
Living radical polymerization in water dispersion system: its difficulty and attractiveness	Okubo, Masayoshi	高分子	2015	64	9	599-602		日本語
Atom transfer radical polymerization (ATRP)	Ouchi, Makoto	ファインケミカル	2015	44	11	7-14		日本語
Controlled/living polymerization of naturally occurring terpenes	Satoh, Kotaro; Kamigaito, Masami	高分子論文集	2015	72	7	421-432	10.1295/koron.2015-0011	日本語
Photo-induced living/controlled radical polymerization reaction	Yamago, Shigeru; Nakamura, Yasuyuki	高分子	2015	64	2	103-106		日本語
Synthesis of double pH-responsive diblock copolymer via living radical polymerization	Yusa, Shin-ichi	ファインケミカル	2015	44	11	39-46		日本語
Application progress of ionic liquid in the atom transfer radical polymerization	Cao, Yong; Ye, Ni-ya; Li, Jing-yuan; Li, Wei-xue; Liu, Li-hui; Li, Hai-ying; Lei, Liang-cai	Yingyong Huagong	2015	44	2	330-335		中国語
Inorganic/organic core-shell composite nanoparticles by surface-initiated atom transfer radical polymerization	Chen, Siyuan; Dong, Xu; Zha, Liusheng	Huaxue Jinzhan	2015	27	7	831-840	10.7536/pc150137	中国語
Research progress of atom transfer radical polymerization of catalyst generated by electron transfer	Cui, Jin; Hu, Xiaoyong; Hu, Chuanbo	Zhongguo Jiaonianji	2015	24	11	50-54		中国語
Application of organo-selenium compounds in living/controlled radical polymerization	Ding, Chun-lai; Fan, Cai-wei; Pan, Xiang-qiang; Zhu, Jian; Zhu, Xiu-lin	Gaofenzi Tongbao	2015		10	83-93	10.14028/j.cnki.1003-3726.2015.10.010	中国語
Telechelic polymers and block copolymers prepared via olefin-metathesis polymerization	Feng, Yuchen; Jie, Suyun; Li, Bogeng	Huaxue Jinzhan	2015	27	8	1074-1086	10.7536/pc150314	中国語
External stimuli regulated surface-initiated atom transfer radical polymerization	Li, Bin; Yu, Bo; Ye, Qian; Zhou, Feng	Huaxue Jinzhan	2015	27	2-3	146-156	10.7536/pc140804	中国語
Research progress of grafting-modified lignin by ATRP	Li, Hai-feng; Pang, Zeng-bo; Wang, Lai-lai	Gaofenzi Xuebao	2015		12	1363-1376	10.11777/j.issn1000-3304.2015.15172	中国語
Progress in grafting modification and application of mesoporous silica	Liu, Fangfang; Chen, Yingjie; Zhao, Minnan; Cao, Pei; Zhou, Guowei	Huagong Xinxing Cailiao	2015	43	8	4-6, 12		中国語
Preparation and application of ultrahigh relative molecular mass poly(methyl) acrylate	Liu, Yicheng; Tang, Huadong	Huagong Shengchan Yu Jishu	2015	22	6	35-40	10.3969/j.issn.1006-6829.2015.06.009	中国語
Research of ATRP macromolecular initiator and application process in the molecular structure design	Mou, Si-yang; Guo, Jing; Qi, Shan-wei; Yang, Li-jun; Gong, Yu-mei; Zhang, Sen	Gaofenzi Tongbao	2015		11	28-34	10.14028/j.cnki.1003-3726.2015.11.004	中国語
Synthesis and applications of ATRP macromolecular initiator	Mu, Siyang; Guo, Jing; Yu, Chunfang; Gong, Yumei; Zhang, Sen	Huaxue Jinzhan	2015	27	5	539-549	10.7536/pc141120	中国語
Research progress in living radical polymerization of vinyl chloride	Wang, Lu; Wang, Zhiyang; Cao, Jianxin	Suliao Keji	2015	43	3	99-106	10.15925/j.cnki.issn1005-3360.2015.03.017	中国語

Research progress of atom transfer radical polymerization grafting inorganic nanoparticles modified	Wang, Ya-zhen; Chen, Rui; Zhao, Yu	Guangzhou Huagong	2015	43	24	13-15		中国語
Application progress of nano-biomaterials based on living radical polymerization	Wang, Zhongxi; Xing, Jinfeng; Deng, Liandong	Huagong Xinxing Cailiao	2015	43	10	196-198		中国語
New progress in synthesis and application of functionalized polyolefin graft copolymers	Wu, Haotian; Lu, Chi; Jiang, Tao; Cui, Kun; Ma, Zhi	Huagong Jinzhan	2015	34	6	1699-1707	10.16085/j.issn.1000-6613.2015.06.031	中国語
Application of ionic liquid in reversible addition-fragmentation chain transfer polymerization	Zhao, Xin; Wu, Qi; Wei, Keyao; Duan, Ran; Sun, Yuewen; Li, Haiying; Lei, Liangcai	Cailiao Daobao	2015	29	12a	47-50	10.11896/j.issn.1005-023x.2015.23.009	中国語
Atom Transfer Radical Polymerization (ATRP), an alternative for the preparation of controlled polymeric materials	Mendoza, Leticia Arizbeth Ramirez; Galindo, Aide Saenz; Facio, Adali Castaneda; Lopez, Lluvia Lopez; Morones, Pablo Gonzalez	Afinidad	2015	72	571	202-206		スペイン語
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Labile alkoxyamines: past, present, and future	Audran, Gerard; Bremond, Paul; Marque, Sylvain. R. A.	Chemical Communications	2014	50	59	7921-7928	10.1039/c4cc01364f	English
Fabrication of nanogels for delivery of molecules	Baipaywad, Phornsawat; Udomluck, Nopphadol; Pyo, Sung-Gyu; Park, Hye Hun; Park, Hansoo	Journal of Nanoscience and Nanotechnology	2014	14	10	7363-7373	10.1166/jnn.2014.9579	English
Methods for Synthesizing the Macromolecular Constituents of Smart Nanosized Carriers for Controlled Drug Delivery	Balaur, Paul Catalin; Grumezescu, Alexandru Mihai	Current Medicinal Chemistry	2014	21	29	3333-3374	10.2174/0929867321666140304103437	English
Surface confined atom transfer radical polymerization: access to custom library of polymer-based hybrid materials for speciality applications	Banerjee, Sanjib; Paira, Tapas K.; Mandal, Tarun K.	Polymer Chemistry	2014	5	14	4153-4167	10.1039/c4py00007b	English
Synthesis of sequence-controlled copolymers using time-regulated additions of N-substituted maleimides in styrenic radical polymerizations	Baradel, Nathalie; Shishkan, Olga; Srichan, Sansanee; Lutz, Jean-Francois	ACS Symposium Series	2014	1170		119-131	10.1021/bk-2014-1170.ch008	English
Cu(0)-mediated controlled/living radical polymerization: a tool for precise multiblock copolymer synthesis	Boyer, Cyrille; Whittaker, Michael R.; Zetterlund, Per B.	ACS Symposium Series	2014	1170		201-212	10.1021/bk-2014-1170.ch013	English
Photoinitiated atom transfer radical polymerization: Current status and future perspectives	Dadashi-Silab, Sajjad; Atilla Tasdelen, Mehmet; Yagci, Yusuf	Journal of Polymer Science, Part A: Polymer Chemistry	2014	52	20	2878-2888	10.1002/pola.27327	English
Functional polypeptide and hybrid materials: Precision synthesis via α -amino acid N-carboxyanhydride polymerization and emerging biomedical applications	Deng, Chao; Wu, Jintian; Cheng, Ru; Meng, Fenghua; Klok, Harm-Anton; Zhong, Zhiyuan	Progress in Polymer Science	2014	39	2	330-364	10.1016/j.progpolymsci.2013.10.008	English
Stimuli-responsive polymers via controlled radical polymerization	Flores, Joel D.; Abel, Brooks A.; Smith, Dee Dee; McCormick, Charles L.	Monitoring Polymerization Reactions	2014			45-58	10.1002/9781118733813.ch3	English
Block copolymer hydrogels	Gao, Guang Hui; Li, Yi; Lee, Doo Sung	Encyclopedia of Polymer Science and Technology (4th Edition)	2014	2		161-190		English
Atom transfer radical polymerization	Golas, Patricia L.; Mueller, Laura A.; Matyjaszewski, Krzysztof	Encyclopedia of Polymer Science and Technology (4th Edition)	2014	1		720-745		English
Atom transfer radical polymerization as a powerful tool in the synthesis of molecular brushes	Hadasha, Waled; Klumperman, Bert	Polymer International	2014	63	5	824-834	10.1002/pi.4697	English
Metallopolymers with transition metals in the side-chain by living and controlled polymerization techniques	Hardy, Christopher G.; Zhang, Jiuyang; Yan, Yi; Ren, Lixia; Tang, Chuanbing	Progress in Polymer Science	2014	39	10	1742-1796	10.1016/j.progpolymsci.2014.03.002	English
RAFT polymerization of vinyl esters: synthesis and applications	Harrisson, Simon; Liu, Xuan; Ollagnier, Jean-Noel; Coutelier, Olivier; Marty, Jean-Daniel; Destarac, Mathias	Polymers	2014	6	5	1437-1488, 52 pp.	10.3390/polym6051437	English
Surface-Initiated Polymerization as an Enabling Tool for Multifunctional (Nano-)Engineered Hybrid Materials	Hui, Chin Ming; Pietrasik, Joanna; Schmitt, Michael; Mahoney, Clare; Choi, Jihoon; Bockstaller, Michael R.; Matyjaszewski, Krzysztof	Chemistry of Materials	2014	26	1	745-762	10.1021/cm4023634	English
The pentafluorostyrene endeavours with atom transfer radical polymerization-quo vadis?	Hvilsted, Soren	Polymer International	2014	63	5	814-823	10.1002/pi.4613	English
Phospholipid polymers	Ishihara, Kazuhiko	Encyclopedia of Polymer Science and Technology (4th Edition)	2014	9		635-659		English
The preparation of graft copolymers of cellulose and cellulose derivatives using ATRP under homogeneous reaction conditions	Joubert, Fanny; Musa, Osama M.; Hodgson, David R. W.; Cameron, Neil R.	Chemical Society Reviews	2014	43	20	7217-7235	10.1039/c4cs00053f	English
A guide to the synthesis of block copolymers using reversible-addition fragmentation chain transfer (RAFT) polymerization	Keddie, Daniel J.	Chemical Society Reviews	2014	43	2	496-505	10.1039/c3cs60290g	English
Living radical polymerization	Klumperman, Bert	Encyclopedia of Polymer Science and Technology (4th Edition)	2014	7		648-673		English

Explaining Unexpected Data via Competitive Equilibria and Processes in Radical Reactions with Reversible Deactivation	Konkolewicz, Dominik; Kryś, Paweł; Matyjaszewski, Krzysztof	Accounts of Chemical Research	2014	47	10	3028-3036	10.1021/ar500199u	English
SARA ATRP or SET-LRP. End of controversy?	Konkolewicz, Dominik; Wang, Yu; Kryś, Paweł; Zhong, Mingjiang; Isse, Abdirisak A.; Gennaro, Armando; Matyjaszewski, Krzysztof	Polymer Chemistry	2014	5	15	4409-4430	10.1039/c4py00149d	English
Recent advances in ATRP methods in relation to the synthesis of copolymer coating materials	Krol, Piotr; Chmielarz, Paweł	Progress in Organic Coatings	2014	77	5	913-948	10.1016/j.porgcoat.2014.01.027	English
Comparison of Hydrolytic Resistance of Polyurethanes and Poly(Urethanemethacrylate) Copolymers in Terms of their Use as Polymer Coatings in Contact with the Physiological Liquid	Krol, Piotr; Chmielarz, Paweł; Krol, Bożena; Pielichowska, Kinga	Polish Journal of Chemical Technology	2014	16	2	16-26	10.2478/pjct-2014-0024	English
Overview of controlled/living polymerization methods of vinyl monomers	Mathers, Robert T.; Magenau, Andrew J. D.; Schroder, Kristin; Matyjaszewski, Krzysztof	Monitoring Polymerization Reactions	2014			29-44	10.1002/9781118733813.ch2	English
Macromolecular Engineering by Atom Transfer Radical Polymerization	Matyjaszewski, Krzysztof; Tsarevsky, Nicolay V.	Journal of the American Chemical Society	2014	136	18	6513-6533	10.1021/ja408069v	English
Mechanism and Kinetics of Dithiobenzoate-Mediated RAFT Polymerization - Status of the Dilemma	Moad, Graeme	Macromolecular Chemistry and Physics	2014	215	1	9-26	10.1002/macp.201300562	English
Polymerization of phosphorus-containing (meth)acrylate monomers	Monge, Sophie; Camiccioni, Benjamin; David, Ghislain; Robin, Jean-Jacques	RSC Polymer Chemistry Series	2014	11		1-18		English
Cyclic polymers and catenanes by atom transfer radical polymerization (ATRP)	Pangilinan, Katrina; Advincula, Rigoberto	Polymer International	2014	63	5	803-813	10.1002/pi.4717	English
Reversible deactivation radical polymerization mediated by cobalt complexes: recent progress and perspectives	Peng, Chi-How; Yang, Tsung-Yao; Zhao, Yaguang; Fu, Xuefeng	Organic & Biomolecular Chemistry	2014	12	43	8580-8587	10.1039/c4ob01427h	English
Synthesis of star polymers by "core-first" one-pot method via ATRP: Monte Carlo simulations	Polanowski, Piotr; Jeszka, Jeremiasz K.; Matyjaszewski, Krzysztof	Polymer	2014	55	10	2552-2561	10.1016/j.polymer.2014.03.049	English
Iron-mediated reversible deactivation controlled radical polymerization	Poli, Rinaldo; Allan, Laura E. N.; Shaver, Michael P.	Progress in Polymer Science	2014	39	10	1827-1845	10.1016/j.progpolymsci.2014.06.003	English
Atom transfer radical polymerization (ATRP): A versatile and forceful tool for functional membranes	Ran, Jin; Wu, Liang; Zhang, Zhenghui; Xu, Tongwen	Progress in Polymer Science	2014	39	1	124-144	10.1016/j.progpolymsci.2013.09.001	English
Reversible addition-fragmentation chain transfer polymerization	Rizzardo, Ezio; Moad, Graeme; Thang, San H.	Encyclopedia of Polymer Science and Technology (4th Edition)	2014	11		709-770		English
Living Radical Polymerization of Ethylene: A Challenge Overcome?	Schmidt, Bernhard V. K. J.; Barner-Kowollik, Christopher	ChemCatChem	2014	6	11	3060-3062	10.1002/cctc.201402456	English
The research status and applications of atom transfer radical polymerization	Sun, Yonglian; Zhu, Bo; Zhou, Shanshan; Chen, Baolei; Gao, Jian; Li, Yongwei	Advanced Materials Research	2014	1033-1034		978-986	10.4028/www.scientific.net/amr.1033-1034.978	English
Functional spaces in star and single-chain polymers via living radical polymerization	Terashima, Takaya	Polymer Journal	2014	46	10	664-673	10.1038/pj.2014.57	English
Sequence-regulated polymers via living radical polymerization: from design to properties and functions	Terashima, Takaya; Sawamoto, Mitsuo	ACS Symposium Series	2014	1170		255-267	10.1021/bk-2014-1170.ch017	English
Recent Advances in Graft Copolymerization and Applications of Chitosan: A Review	Thakur, Vijay Kumar; Thakur, Manju Kumari	ACS Sustainable Chemistry & Engineering	2014	2	12	2637-2652	10.1021/sc500634p	English
Dendritic copolymers	Vinukonda, Srinivasa Rao	Synthesis and Applications of Copolymers	2014			165-214	10.1002/9781118860168.ch7	English
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Reversible deactivation radical polymerization in the presence of zero-valent metals: from components to precise polymerization	Wang, Wenxiang; Zhao, Junfei; Zhou, Nianchen; Zhu, Jian; Zhang, Wei; Pan, Xiangqiang; Zhang, Zhengbiao; Zhu, Xiulin	Polymer Chemistry	2014	5	11	3533-3546	10.1039/c3py01398g	English
Chemoenzymatic synthesis of polymeric materials using lipases as catalysts: A review	Yang, Yan; Zhang, Jianxu; Wu, Di; Xing, Zhen; Zhou, Yulin; Shi, Wei; Li, Quanshun	Biotechnology Advances	2014	32	3	642-651	10.1016/j.biotechadv.2014.04.011	English
Fluorinated poly(meth)acrylate: Synthesis and properties	Yao, Wenqiang; Li, Yongjun; Huang, Xiaoyu	Polymer	2014	55	24	6197-6211	10.1016/j.polymer.2014.09.036	English
Studies on the synthesis of degradable polymers by radical polymerization and the design of dismantlable adhesion materials	Matsumoto, Akikazu	日本接着学会誌	2014	50	3	72-81	10.11618/adhesion.50.72	日本語
Growth state of research seeds in Yamagata University	Narumi, Atsushi	高分子	2014	63	1	31-32		日本語
Bipedal walking template toward sequence-controlled vinyl polymers	Ouchi, Makoto	高分子	2014	63	10	724-725		日本語
Development of new living radical polymerization method, TERP: to industrialization from focus on organic tellurium compounds	Yamago, Shigeru	現代化学	2014	521		50-54		日本語

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Progress in living/controlled radical polymerization of fluoroalkenes	Dai, Jing-wen; Bai, Ru-ke	Gaofenzi Tongbao	2014		12	47-59	10.14028/j.cnki.1003-3726.2014.12.005	中国語
Research progress on preparation of block copolymer via RAFT polymerization	Gong, Xi-jie; Gu, Cong; Ye, Ni-ya; Li, Xiao-fang; Zhang, Liang; Lei, Liang-cai	Dangdai Huagong	2014	43	10	2078-2083		中国語
Progress of narrow molecular weight distribution polymethylmethacrylate	Jiang, Xiaolei; Gu, Xueping; Wang, Jiajun; Feng, Lianfang	Huagong Xinxing Cailiao	2014	42	7	211-214		中国語
Progress in synthesis techniques of cyclodextrins-based star polymers	Lan, Song; Liu, Yu-yang	Yingyong Huagong	2014	43	3	518-521, 526		中国語
Development of organotellurium-mediated controlled/ living soap-free emulsion polymerization	Li, Ke; Zhang, Jiao-qiang; Bai, Xiao-hui; Zhang, Li	Zhanjie	2014	35	7	77-81		中国語
Fabrication and functionalization of thermoplastic nanofibers	Liu, Qiongzhen; Zhou, Zhou; Li, Mufang; Liu, Ke; Zhao, Qinghua; Wang, Dong	Zhongguo Cailiao Jinzhan	2014	33	8	468-474	10.7502/j.issn.1674-3962.2014.08.03	中国語
Application of atom transfer radical polymerization to modifying carbon nanotubes	Liu, Tianye; Yan, Hongxia; Li, Tingting; Jia, Yuan	Cailiao Daobao	2014	28	6a	94-98		中国語
Application development of RAFT on polymer molecular design	Lu, Fei; Zhang, Wei	Gaofenzi Tongbao	2014		10	28-33		中国語
Research progress of atom transfer radical polymerization (ATRP)	Wang, Yongbin	Huaxue Tuijinji Yu Gaofenzi Cailiao	2014	12	1	32-36		中国語
Application of surface-initiated atom transfer radical polymerization (SI-ATRP) in construction of bio-antifouling coatings	Wei, Yu; Zhang, Jingxun; Zhao, Wenxiang; Pei, Xiaofang	Huagong Xinxing Cailiao	2014	42	6	30-31, 42		中国語
Synthesis and applications of chain end functionalized polyolefins	Zhang, Yongjie; Li, Huayi; Dong, Jinyong; Hu, Youliang	Huaxue Jinzhan	2014	26	1	110-124	10.7536/pc130735	中国語
Research progress in application of RAFT polymerization in aqueous dispersion systems	Zhang, Yong-lin; Zhang, Liang; Liu, Chao; Yao, Jun-shan; Li, Hai-ying; Lei, Liang-cai	Dangdai Huagong	2014	43	10	2090-2093		中国語
Applied research progress of "living"/controlled radical polymerization in the preparation of protein hybrid system	Zhao, Wei-gang; Lu, Zhen-wu; Lu, Sheng-fang; He, Nai-pu	Yingyong Huagong	2014	43	12	2260-2270		中国語
Progress in modification of nanoparticles by atom transfer radical polymerization	Zhao, Wenjing; Mai, Yongyi; Zhang, Wei; Ye, Chunlin; Li, Zhi	Zhongguo Suliao	2014	28	4	7-13		中国語
Recent progress in organometallic mediated radical polymerization	Zhao, Yaguang; Yu, Mengmeng; Liu, Yuchun; Fu, Xuefeng	Zhongguo Kexue: Huaxue	2014	44	2	236-253	10.1360/n032013-00039	中国語
Progress on preparation of trithiocarbonates and their application in mediating RAFT polymerization	Zhu, Chengben; Yang, Ying	Guangdong Huagong	2014	41	14	109-110		中国語
Research progress in synthesis of block copolymers and their use as template in preparing nanocomposites	Zhu, Ming; Yang, Ke; Huang, Xingyi; Jiang, Pingkai	Zhongguo Keji Lunwen	2014	9	3	261-267		中国語
Progress on the heterogeneous cellulose grafting polymerization by ATRP	Zhuang, Zhi-liang; Zhu, Li; Wu, Wei-bing; Dai, Hong-qi	Linchan Huaxue Yu Gongye	2014	34	3	121-129	10.3969/j.issn.0253-2417.2014.03.021	中国語
From cationic ring-opening polymerization to atom transfer radical polymerization	Matyjaszewski, Krzysztof	Polimery	2014	59	1	24-37	10.14314/polimery.2014.024	ポーランド語
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Progress of RAFT based polymers in gene delivery	Ahmed, Marya; Narain, Ravin	Progress in Polymer Science	2013	38	5	767-790	10.1016/j.progpolymsci.2012.09.008	English
Recent advances in the preparation of glycopolymer bioconjugates	Ahmed, Marya; Wattanaarsakit, Phanphen; Narain, Ravin	European Polymer Journal	2013	49	10	3010-3033	10.1016/j.eurpolymj.2013.06.025	English
Functionalization and Polymerization on the CNT Surfaces	Albuerne, Julio; Zenkel, Christian; Munirasu, Selvaraj	Current Organic Chemistry	2013	17	17	1867-1879	10.2174/138527281131799900	English
Silicone macroinitiator in the atom transfer radical polymerization of methyl methacrylate and vinyl acetate: Synthesis and characterization of pentablock copolymers	Amiri, Sahar; Ali Semsarzadeh, Mohammad	ACS Symposium Series	2013	1154		103-110		English
Using reversible addition-fragmentation chain transfer polymerization to synthesize well-defined polymer	Bian, Shoujuan; Fu, Yingjuan; Qin, Menghua	Advanced Materials Research	2013	781-784		415-418, 5 pp.	10.4028/www.scientific.net/amr.781-784.415	English
Synthesis of nanostructured materials in inverse miniemulsions and their applications	Cao, Zhihai; Ziener, Ulrich	Nanoscale	2013	5	21	10093-10107	10.1039/c3nr03190j	English
A versatile technique to fabricate capsules: miniemulsion	Cao, Zhihai; Ziener, Ulrich	Current Organic Chemistry	2013	17	1	30-38	10.2174/138527213805289169	English
Tailoring Cellulose Surfaces by Controlled Polymerization Methods	Carlmark, Anna	Macromolecular Chemistry and Physics	2013	214	14	1539-1544	10.1002/macp.201300272	English
Copper-mediated controlled radical polymerization in continuous flow processes: Synergy between polymer reaction engineering and innovative chemistry	Chan, Nicky; Cunningham, Michael F.; Hutchinson, Robin A.	Journal of Polymer Science, Part A: Polymer Chemistry	2013	51	15	3081-3096	10.1002/pola.26711	English

Living radical polymerisation in emulsion and miniemulsion	Charleux, Bernadette; Monteiro, Michael J.; Heuts, Hans	Chemistry and Technology of Emulsion Polymerisation (2nd Edition)	2013			105-143	10.1002/9781118638521.ch5	English
Recent progress in organocatalytic group transfer polymerization	Fuchise, Keita; Chen, Yougen; Satoh, Toshifumi; Kakuchi, Toyoji	Polymer Chemistry	2013	4	16	4278-4291	10.1039/c3py00278k	English
Polymer-grafted carbon nanotubes via "Grafting From" approach	Gao, Chao; Liu, Zheng; Kou, Liang; Zhao, Xiaoli	RSC Nanoscience & Nanotechnology	2013	27		120-181		English
Role of Motif B Loop in Allosteric Regulation of RNA-Dependent RNA Polymerization Activity	Garriga, Damia; Ferrer-Orta, Cristina; Querol-Audi, Jordi; Oliva, Baldo; Verdaguer, Nuria	Journal of Molecular Biology	2013	425	13	2279-2287	10.1016/j.jmb.2013.03.034	English
Synthesis of glycopolymer architectures by reversible-deactivation radical polymerization	Ghadban, Ali; Albertin, Luca	Polymers	2013	5	2	431-526, 96 pp.	10.3390/polym5020431	English
Living radical polymerization with organic catalysts	Goto, A.; Tsujii, Y.; Kaji, H.	RSC Polymer Chemistry Series	2013	4		250-286		English
Free radical polymerization	Guerrero-Santos, Ramiro; Saldivar-Guerra, Enrique; Bonilla-Cruz, Jose	Handbook of Polymer Synthesis, Characterization, and Processing	2013			65-83	10.1002/9781118480793.ch4	English
Atom transfer radical polymerization of hydrophilic monomers and its applications	He, Weiwei; Jiang, Hongjuan; Zhang, Lifan; Cheng, Zhenping; Zhu, Xiulin	Polymer Chemistry	2013	4	10	2919-2938	10.1039/c3py00122a	English
Synthesis of Cyclic Polymers via Ring Closure	Jia, Zhongfan; Monteiro, Michael J.	Advances in Polymer Science	2013	262		295-327	10.1007/12_2013_238	English
Biomolecule-functionalized polymer brushes	Jiang, Hui; Xu, Fu-Jian	Chemical Society Reviews	2013	42	8	3394-3426	10.1039/c2cs35453e	English
Liquid-phase synthesis and application of monolithic porous materials based on organic-inorganic hybrid methylsiloxanes, crosslinked polymers and carbons	Kanamori, Kazuyoshi	Journal of Sol-Gel Science and Technology	2013	65	1	12-22	10.1007/s10971-011-2662-x	English
Cellulose derivatives and graft copolymers as blocks for functional materials	Kang, Hongliang; Liu, Ruigang; Huang, Yong	Polymer International	2013	62	3	338-344	10.1002/pi.4455	English
Responsive nanoporous silica colloidal films and membranes	Khabibullin, Amir; Zharov, Ilya	Intelligent Stimuli-Responsive Materials	2013			265-291	10.1002/9781118680469.ch8	English
Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. A Critical Assessment of the SARA ATRP and SET-LRP Mechanisms	Konkolewicz, Dominik; Wang, Yu; Zhong, Mingjiang; Kryszewski, Pawel; Isse, Abdirisak A.; Gennaro, Armando; Matyjaszewski, Krzysztof	Macromolecules	2013	46	22	8749-8772	10.1021/ma401243k	English
Synthesis of poly(methacrylate) encapsulated magnetite nanoparticles via phosphonic acid anchoring chemistry and its applications toward biomedicine	Kothandapani, B.; Mishra, Ajay K.	Nanomedicine for Drug Delivery and Therapeutics	2013			63-86	10.1002/9781118636299.ch3	English
Stars and blocks: Tailoring polymeric rheology modifiers for aqueous media by controlled free radical polymerization	Laschewsky, Andre; Herfurth, Christoph; Miasnikova, Anna; Stahlhut, Frank; Weiss, Jan; Wieland, Christoph; Wischerhoff, Erik; Gradzielski, Michael; Malo de Molina, Paula	ACS Symposium Series	2013	1148		125-143		English
A review on synthesis and properties of polymer functionalized graphene	Layek, Rama K.; Nandi, Arun K.	Polymer	2013	54	19	5087-5103	10.1016/j.polymer.2013.06.027	English
Cyclobutenyl macromonomers: Synthetic strategies and ring-opening metathesis polymerization	Le, D.; Morandi, G.; Legoupy, S.; Pascual, S.; Montebault, V.; Fontaine, L.	European Polymer Journal	2013	49	5	972-983	10.1016/j.eurpolymj.2013.01.008	English
Using controlled graft copolymerization technology to prepare structure-controllable cellulose functional materials	Li, Dejuan; Fu, Yingjuan; Qin, Menghua	Advanced Materials Research	2013	734-737		2108-2112, 6 pp.	10.4028/www.scientific.net/amr.734-737.2108	English
Design of controllable-structured polymeric nanocapsules via SI-ATRP from colloidal templates	Liu, Peng	Current Organic Chemistry	2013	17	1	39-48	10.2174/138527213805289141	English
Polymer siRNA conjugates synthesised by controlled radical polymerization	Loczenski Rose, Vanessa; Winkler, G. Sebastiaan; Allen, Stephanie; Puri, Sanyogitta; Mantovani, Giuseppe	European Polymer Journal	2013	49	10	2861-2883	10.1016/j.eurpolymj.2013.06.002	English
End-group functionalization of RAFT-prepared polymers using thiol-X chemistries	Lowe, Andrew B.	RSC Polymer Chemistry Series	2013	6		28-58		English
Polymeric bile acid sequestrants-Synthesis using conventional methods and new approaches based on "controlled"/living radical polymerization	Mendonca, Patricia V.; Serra, Armenio C.; Silva, Claudia L.; Simoes, Sergio; Coelho, Jorge F. J.	Progress in Polymer Science	2013	38	3-4	445-461	10.1016/j.progpolymsci.2012.09.004	English
Fundamentals of RAFT polymerization	Moad, Graeme; Rizzardo, Ezio; Thang, San H.	RSC Polymer Chemistry Series	2013	4		205-249		English
RAFT Polymerization and Some of its Applications	Moad, Graeme; Rizzardo, Ezio; Thang, San H.	Chemistry - An Asian Journal	2013	8	8	1634-1644	10.1002/asia.201300262	English
Synthesis of silica-polymer core-shell nanoparticles by reversible addition-fragmentation chain transfer polymerization	Moraes, John; Ohno, Kohji; Maschmeyer, Thomas; Perrier, Sebastien	Chemical Communications	2013	49	80	9077-9088	10.1039/c3cc45319g	English
Polymer-functionalized graphene via atom transfer radical polymerization route for graphene-based polymer nanocomposites	Nandi, Arun K.; Layek, Rama K.; Samanta, Sanjoy; Chatterjee, Dhruba P.	Graphite, Graphene, and Their Polymer Nanocomposites	2013			393-421		English
Controlled/living radical polymerization mediated by stable organic radicals	Nesvadba, Peter	RSC Polymer Chemistry Series	2013	4		112-167		English
Nitroxide-mediated polymerization	Nicolas, Julien; Guilleaume, Yohann; Lefay, Catherine; Bertin, Denis; Gimes, Didier; Charleux, Bernadette	Progress in Polymer Science	2013	38	1	63-235	10.1016/j.progpolymsci.2012.06.002	English

Biocatalytic ATRP: Controlled radical polymerizations mediated by enzymes	Renggli, Kasper; Spulber, Mariana; Pollard, Jonas; Rother, Martin; Bruns, Nico	ACS Symposium Series	2013	1144		163-171			English
Living Radical Polymerization and Molecular Imprinting: Improving Polymer Morphology in Imprinted Polymers	Salian, Vishal D.; Byrne, Mark E.	Macromolecular Materials and Engineering	2013	298	4	379-390	10.1002/mame.201200191		English
Preparation, physicochemical properties and battery applications of a novel poly(ionic liquid)	Sato, Takaya; Morinaga, Takashi; Ishizuka, Takeo	Ionic Liquids: New Aspects for the Future	2013			673-695	10.5772/51162		English
Engineering biodegradable and multifunctional peptide-based polymers for gene delivery	Shi, Julie; Schellinger, Joan G.; Pun, Suzie H.	Journal of Biological Engineering	2013	7		25/1-25/10	10.1186/1754-1611-7-25		English
Recent advances in RAFT dispersion polymerization for preparation of block copolymer aggregates	Sun, Jiao-Tong; Hong, Chun-Yan; Pan, Cai-Yuan	Polymer Chemistry	2013	4	4	873-881	10.1039/c2py20612a		English
Controlled/living radical polymerization in the presence of iniferters	Tasdelen, Mehmet Atilla; Yagci, Yusuf	RSC Polymer Chemistry Series	2013	4		78-111			English
Metathesis polymer cyclization	Tezuka, Yasuyuki	Topological Polymer Chemistry	2013			107-121	10.1142/9789814401289_0007		English
Functionalization of graphene oxide for the production of novel graphene-based polymeric and colloidal materials	Thickett, Stuart C.; Zetterlund, Per B.	Current Organic Chemistry	2013	17	9	956-974	10.2174/1385272811317090009		English
Fundamentals of Controlled/Living Radical Polymerization.	Tsarevsky, Nicolay V.; Sumerlin, Brent S.; Editors		2013			364 pages			English
Recent progress in the use of photoirradiation in living radical polymerization	Yamago, Shigeru; Nakamura, Yasuyuki	Polymer	2013	54	3	981-994	10.1016/j.polymer.2012.11.046		English
Mechanistic aspects of living radical polymerization mediated by organometallic complexes	Ye, Zichuan; Wayland, Bradford B.	RSC Polymer Chemistry Series	2013	4		168-204			English
Application of controlled/'living' radical polymerization techniques in molecular imprinting	Zhang, Huiqi	Molecular Imprinting	2013			105-160	10.1201/b15678-5		English
Controlled/'living' radical precipitation polymerization: A versatile polymerization technique for advanced functional polymers	Zhang, Huiqi	European Polymer Journal	2013	49	3	579-600	10.1016/j.eurpolymj.2012.12.016		English
ESR study of reaction mechanisms and kinetics of conventional and controlled radical polymerizations	Kajiwara, Atsushi	触媒	2013	55	2	86-92			日本語
Advanced polymer materials synthesized by new living radical polymerization method (TERP)	Kameshima, Takashi	触媒	2013	55	2	93-98			日本語
Guidance to design the polymeric dispersant	Kushi, Yoshinori	色材協会誌	2013	86	3	114-118	10.4011/shikizai.86.114		日本語
Precise synthesis of electronic and optical polymers by RAFT polymerization	Nakabayashi, Kazuhiro; Mori, Hideharu	触媒	2013	55	2	71-77			日本語
Metal-catalyzed living radical polymerization: active, robust, and functional catalysts	Ouchi, Makoto; Terashima, Takaya; Sawamoto, Mitsuo	触媒	2013	55	2	58-64			日本語
Cutting-edge in precision radical polymerization: advanced reaction control and functional macromolecular chains	Ouchi, Makoto; Terashima, Takaya; Sawamoto, Mitsuo	高分子	2013	62	5	252-255			日本語
Transition metal-catalyzed step-growth radical polymerization	Satoh, Kotaro; Kamigaito, Masami	触媒	2013	55	2	78-85			日本語
Functional star polymers via living radical polymerization-design functional nanospaces	Terashima, Takaya	高分子論文集	2013	70	8	432-448	10.1295/koron.70.432		日本語
Recent developments in organotellurium-mediated living radical polymerization (TERP)	Yamago, Shigeru	触媒	2013	55	2	65-70			日本語
Development and application of organotellurium-mediated living radical polymerization (TERP)	Yamago, Shigeru	未来材料	2013	13	1	15-21			日本語
Luminescent polymers containing unconventional chromophores	Huang, Tian; Wang, Zhaoyang; Qin, Anjun; Sun, Jingzhi; Tang, Benzhong	Huaxue Xuebao	2013	71	7	979-990	10.6023/a13010071		中国語
Research progress of cellulose controlled graft copolymerization technology	Li, De-juan; Fu, Ying-juan; Qin, Meng-hua	Zhongguo Zaozhi	2013	32	7	60-66			中国語
Research progress of preparation of environment-responsive smart membrane material by ATRP method	Li, Pengfei	Huagong Jinzhan	2013	32	12	2910-2915	10.3969/j.issn.1000-6613.2013.12.020		中国語
Research progress of synthesis and self-assembly for poly(ethylene glycol)-containing block copolymers	Li, Zhiguang; Ma, Xiaoyan; Chang, Hai; Chen, Zhiqun	Huagong Jinzhan	2013	32	2	381-387, 413	10.3969/j.issn.1000-6613.2013.02.023		中国語
Progress in synthesis of telechelic polymers by controlled living polymerization methods	Ling, Xin-long; Zou, Li-ming; Xu, Su; Wei, Yi-zhe	Tianjin Gongye Daxue Xuebao	2013	32	2	23-30, 38			中国語
Progress in synthesis of polymer molecular brush via combination of ATRP and other reaction techniques	Liu, Jun-dong; Liu, Yu-yang; Cai, Yong; Wang, Hai-bo	Yingyong Huagong	2013	42	2	350-354			中国語
Synthesis of functional glycopolymers	Liu, Li; Shi, Hai-ting; Wang, Xiao-bei; Lu, Wen-hui; Luo, Yan	Gaofenzi Tongbao	2013		1	167-173			中国語

Research progress on preparation of polymer brushes by surface-initiated ARGET ATRP technology	Liu, Shaojie; Zhao, Fengqing; Li, Peixin; Yang, Huijiao; Wang, Qing	Hebei Keji Daxue Xuebao	2013	34	4	340-343	10.7535/hbkd.2013yx04016	中国語
High performance organic-inorganic hybrids based on silsesquioxane	Ma, Li; Song, Jiang-xuan; Li, Qi-fang	Gaofenzi Tongbao	2013		4	151-164		中国語
Research progress of living polymerization of vinyl chloride	Qiu, Yan	Zhejiang Huagong	2013	44	9	30-33		中国語
Research and progress of amphiphilic polymers prepared by controllable polymerization method	Sun, Li; Zhang, Ai-bo; Luan, Jing-fan; Zhao, Chun-ying	Boligang/Fuhe Cailiao	2013		1	90-93		中国語
Review on synthesis methods of polylactic acid macromolecular initiator	Tang, Xinying; Liu, Wentao; Liang, Wenna; Xia, Xuelian; He, Suqin; Zhu, Chengshen	Cailiao Daobao	2013	27	11a	77-80		中国語
Novel functional materials based on polymer-polyoxometalate hybrids	Wang, Wei	Gaofenzi Tongbao	2013		1	87-100		中国語
Application of click chemistry in the synthesis of cyclic polymers	Xiong, Xingquan; Yi, Chao	Zhongguo Kexue: Huaxue	2013	43	7	783-800	10.1360/032012-461	中国語
Current progress in surface molecular imprinting technique on silica materials	Zhang, Jin; Cao, Dan; Chen, Jiamei; Wang, Chaoying	Cailiao Daobao	2013	27	10a	55-59		中国語
Research progress of atom transfer radical polymerization in emulsion	Zhang, Li; Zhang, Jiaoqiang; Shi, Changming; Yi, Na; Bai, Xiaohui	Zhongguo Jiaonianji	2013	22	5	44-49		中国語
Kinetic modeling of atom transfer radical polymerization	Zhou, Yin-ning; Luo, Zheng-hong	Gaofenzi Tongbao	2013		8	1-12		中国語
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Block and graft copolymerization by controlled/living radical polymerization methods	Arslan, Hulya	Polymerization	2012			279-320	10.5772/45970	English
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Reversible addition-fragmentation chain transfer polymerization under microwave heating conditions	Brooks, William L. A.; Sumerlin, Brent S.	ACS Symposium Series	2012	1100		277-291	10.1021/bk-2012-1100.ch018	English
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Advances in monolithic porous materials tailored in liquid media: around inorganic oxides and organic polymers	Kanamori, Kazuyoshi	Journal of the Ceramic Society of Japan	2012	120	Jan.	1-10	10.2109/jcersj.120.1	English
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Atom Transfer Radical Polymerization: From Mechanisms to Applications	Matyjaszewski, Krzysztof	Israel Journal of Chemistry	2012	52	3-4	206-220	10.1002/ijch.201100101	English
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Functional degradable polymeric materials prepared by atom transfer radical polymerization (ATRP)	Tsarevsky, Nicolay V.; Min, Ke; Jahed, Nazeem M.; Gao, Haifeng; Matyjaszewski, Krzysztof	ACS Symposium Series	2012	1114		325-338	10.1021/bk-2012-1114.ch019	English
Synthesis of Glycopolymers by Controlled Radical Polymerization Techniques and Their Applications	Vazquez-Dorbatt, Vimary; Lee, Juneyoung; Lin, En-Wei; Maynard, Heather D.	ChemBioChem	2012	13	17	2478-2487	10.1002/cbic.201200480	English
Comparison of surface-confined ATRP and SET-LRP syntheses of polymer brushes	Walters, Keisha B.; Ding, Shijie	Polymer Brushes	2012			209-227		English
Selecting the optimal reaction conditions for copper-mediated atom transfer radical polymerization at low catalyst concentration	Woodruff, Shannon R.; Davis, Brad J.; Tsarevsky, Nicolay V.	ACS Symposium Series	2012	1100		99-113	10.1021/bk-2012-1100.ch007	English
Target-Triggered Polymerization for Biosensing	Wu, Yafeng; Wei, Wei; Liu, Songqin	Accounts of Chemical Research	2012	45	9	1441-1450	10.1021/ar200310f	English

Organotellurium compounds as chain transfer agents for living radical polymerization	Yamago, Shigeru; Nakamura, Yasuyuki	Chemistry of Organic Selenium and Tellurium Compounds	2012	3	Pt. 1	585-622		English
ATRP: a versatile tool toward uniformly crosslinked hydrogels with controlled architecture and multifunctionality	Yoon, Jeong Ae; Oh, Jung Kwon; Li, Wenwen; Kowalewski, Tomasz; Matyjaszewski, Krzysztof	Hydrogel Micro and Nanoparticles	2012			169-186	10.1002/9783527646425.ch7	English
Well-defined concentrated polymer brushes of hydrophilic polymers: suppression of protein and cell adhesions	Yoshikawa, Chiaki; Kobayashi, Hisatoshi	Polymer Brushes	2012			253-276,		English
Controlling polymer primary structure using CRP: synthesis of sequence-controlled and sequence-defined polymers	Zamfir, Mirela; Lutz, Jean-Francois	ACS Symposium Series	2012	1101		1-12	10.1021/bk-2012-1101.ch001	English
Living radical polymerizations controlled by organic catalysts	Goto, Atsushi	触媒	2012	54	4	257-262		日本語
Polymer synthesis catalyzed by iron complexes	Kai, Hidetomo; Nagashima, Hideo	ファインケミカル	2012	41	11	55-61		日本語
Recent trends on molecular/particle design by controlled/living radical polymerization in aqueous dispersed systems	Kitayama, Yukiya; Okubo, Masayoshi	日本接着学会誌	2012	48	7	248-261	10.11618/adhesion.48.248	日本語
Development of dismantlable adhesion materials based on design of polymer reactions	Matsumoto, Akikazu	高分子	2012	61	11	879-880		日本語
Historical stream, trends and outlook for polymerization catalysts	Nomura, Kotohiro	触媒	2012	54	7	466-473		日本語
Metal-catalyzed living radical polymerization toward sustainable system	Ouchi, Makoto; Sawamoto, Mitsuo	科学と工業	2012	86	10	354-363		日本語
Approaching to biopolymers by monomer sequence programming polymerization	Ouchi, Makoto; Sawamoto, Mitsuo	化学	2012	67	10	70-71		日本語
Development of RAFT agents having hydroxyl group at both ends and application to polymeric materials	Tanaka, Shimon; Endo, Takeshi	未来材料	2012	12	12	36-40		日本語
Functional polymer synthesis by smart molecular conversion	Terashima, Takaya	化学と工業	2012	65	9	705-706		日本語
Living radical polymerizations by photoexcitation and radical coupling reactions	Yamago, Shigeru	京都大学日本化学繊維研究所講演集	2012	69		1-6		日本語
Catalysis/initiation system and polymerization methods of atom transfer radical polymerization	Bao, Yan; Yao, Xiao-zhao; Ma, Jian-zhong	Gaofenzi Tongbao	2012		8	64-73		中国語
Application of atom transfer radical polymerization (ATRP) in synthesis of novel materials	Gao, Zhen-hua	Dangdai Huagong	2012	41	11	1229-1231		中国語
Development of photoinitiated nitroxide-mediated polymerization	Hu, Junqi; Dong, Zhixian; Cui, Yanyan; Liu, Xiaoxuan	Gaofenzi Tongbao	2012		5	47-54		中国語
The research progress of biomaterials prepared by ATRP	Jiao, Shu-fei; Yin, Yan-zhen; Shi, Zhong-feng	Guangzhou Huagong	2012	40	9	13-15		中国語
Application of atom transfer radical polymerization in biosensing	Li, Ying; Wu, Ya-feng; Yuan, Liang; Liu, Song-qin	Fenxi Huaxue	2012	40	12	1797-1802	10.3724/sp.j.1096.2012.20531	中国語
Progress of synthesis of functional polyolefin block copolymers via strategy based on RAFT polymerization	Mao, Guoliang; Wang, Xin; Ning, Yingnan; Ma, Zhi	Huagong Jinzhan	2012	31	10	2282-2287		中国語
Application development of RAFT polymerization in polymer molecular design	Shan, Ying-ying; Qin, Meng-hua; Fu, Ying-juan	Zaozhi Huaxuepin	2012	24	3	1-8		中国語
Progress of application of microwave heating in atom transfer radical polymerization	Wang, Ling; Ding, Wei; Luan, huoxin; Qu, Guangmiao; Yu, Tao	Jingxi Shiyu Huagong Jinzhan	2012	13	11	32-35, 39		中国語
Research progress on chemical synthesis of polymers containing sugar moieties	Wu, Minjie; Zhou, Zhiping; Dai, Xiaohui	Cailiao Daobao	2012	26	11a	83-88		中国語
Synthesis of functional polymers via combination of thiol-based click reactions with RAFT polymerization	Xiong, Xingquan; Tang, Zhongke; Cai, Lei	Huaxue Jinzhan	2012	24	9	1751-1764		中国語
Research and commercialization progress in controlled/living radical polymerization for miniemulsion system	Yang, Beibei; Wang, Chengle; Yang, Wenlong; Zhang, Jianan; Wu, Mingyuan; Wu, Qingyun; Yang, Jianjun	Tuliao Gongye	2012	42	5	75-79		中国語
Research progress of electronic transfer activate regeneration atom transfer radical polymerization	Zhang, Lei; Wang, Chunfeng; Chen, Fengjiao; Du, Shixin; Zhou, Guowei	Huagong Xinxing Cailiao	2012	40	7	21-24		中国語
Research progress on free radical polymerization modification of nanoparticles	Zhang, Li-mei; Liu, Qiao-fen; Sun, Xiao-ran	Huaxue Shijie	2012	53	6	381-384		中国語
Advance on grafting modification of nano-SiO2 with atom transfer radical polymerization	Zhao, Min-nan; Zhang, Lei; Wang, Chun-feng; Zhou, Guo-wei	Gaofenzi Tongbao	2012		12	44-49		中国語
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The combination of living radical polymerization and click chemistry for the synthesis of advanced macromolecular architectures	Akeroyd, Niels; Klumperman, Bert	European Polymer Journal	2011	47	6	1207-1231	10.1016/j.eurpolymj.2011.02.003	English
Synthesis of Terpolymers by Click Reactions	Altintas, Ozcan; Tunca, Umit	Chemistry - An Asian Journal	2011	6	10	2584-2591	10.1002/asia.201100138	English
Synthesis of architecturally well-defined nanogels via RAFT polymerization for potential bioapplications	An, Zesheng; Qiu, Qian; Liu, Guangyao	Chemical Communications	2011	47	46	12424-12440	10.1039/c1cc13955j	English
Atom Transfer Radical Polymerization: A Robust and Versatile Route for Polymer Synthesis	Ayres, Neil	Polymer Reviews	2011	51	2	138-162	10.1080/15583724.2011.566402	English
Preparation of polymer brushes using "grafting-from" techniques	Bao, Zhiyi; Zheng, Ying; Baker, Gregory L.; Bruening, Merlin L.	Functional Polymer Films	2011	1		239-263	10.1002/9783527638482.ch7	English
Kinetic subtleties of nitroxide mediated polymerization	Bertin, Denis; Gimes, Didier; Marque, Sylvain R. A.; Tordo, Paul	Chemical Society Reviews	2011	40	5	2189-2198	10.1039/c0cs00110d	English
Viral diseases of the giant fresh water prawn <i>Macrobrachium rosenbergii</i> : a review.	Bonami, Jean-Robert; Sri Widada, Joannes	Journal of invertebrate pathology	2011	106	1	131-42	10.1016/j.jip.2010.09.007	English
Building nanostructures using RAFT polymerization	Boyer, Cyrille; Stenzel, Martina H.; Davis, Thomas P.	Journal of Polymer Science, Part A: Polymer Chemistry	2011	49	3	551-595	10.1002/pola.24482	English
RAFT polymerization mediated bioconjugation strategies	Bulmus, Volga	Polymer Chemistry	2011	2	7	1463-1472	10.1039/c1py00039j	English
Stimulus responsive core-shell nanoparticles: synthesis and applications of polymer based aqueous systems	Cayre, Olivier J.; Chagneux, Nelly; Biggs, Simon	Soft Matter	2011	7	6	2211-2234	10.1039/c0sm01072c	English
Delicate conformational changes of a protein in the CRP family lead to dramatic functional changes via binding of an alternate secondary messenger molecule.	Chou, Shan-Ho	Virulence	2011	2	2	152-7	10.4161/viru.2.2.15288	English
Synthetic Strategies for the Design of Peptide/Polymer Conjugates	Dehn, Sabrina; Chapman, Robert; Jolliffe, Katrina A.; Perrier, Sebastien	Polymer Reviews	2011	51	2	214-234	10.1080/15583724.2011.566404	English
On the Critical Role of RAFT Agent Design in Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization	Destarac, Mathias	Polymer Reviews	2011	51	2	163-187	10.1080/15583724.2011.568130	English
Synthesis of drug/dye-incorporated polymer-protein hybrids	Dolai, Sukanta; Shi, Wei; Mondal, Bikash; Raja, Krishnaswami	Methods in Molecular Biology	2011	751		29-42	10.1007/978-1-61779-151-2_3	English
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Polymeric nanomaterials from combined click chemistry and controlled radical polymerization	Fu, Rong; Fu, Guo-Dong	Polymer Chemistry	2011	2	3	465-475	10.1039/c0py00174k	English
Grafting of polymers on nanotubes by atom transfer radical polymerization	Gao, Chao	Polymer Nano-, Micro- & Macrocomposites	2011	1		179-213		English
The use of reversible addition fragmentation chain transfer polymerization for drug delivery systems	Gregory, Andrew; Stenzel, Martina H.	Expert Opinion on Drug Delivery	2011	8	2	237-269	10.1517/17425247.2011.548381	English
Nitroxide-Mediated Radical Polymerization: Limitations and Versatility	Grubbs, Robert B.	Polymer Reviews	2011	51	2	104-137	10.1080/15583724.2011.566405	English
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Functional Polyether-based Amphiphilic Block Copolymers Synthesized by Atom-transfer Radical Polymerization	Hussain, Hazrat; Amado, Elkin; Kressler, Jorg	Australian Journal of Chemistry	2011	64	9	1181-1193	10.1071/ch11147	English
Surface tailoring of polymer nanoparticles with living polymerization methods	Ishizu, Koji; Lee, Dong Hoon	Advanced Polymer Nanoparticles	2011			223-261	10.1201/ebk1439814437-c8	English
RAFT kinetics revisited: Revival of the RAFT debate	Junkers, Tanja	Journal of Polymer Science, Part A: Polymer Chemistry	2011	49	19	4154-4163	10.1002/pola.24857	English
Design of complex polymeric architectures and nanostructured materials/hybrids by living radical polymerization of hydroxylated monomers	Kakwere, Hamilton; Perrier, Sebastien	Polymer Chemistry	2011	2	2	270-288	10.1039/c0py00160k	English
Recent developments in metal-catalyzed living radical polymerization	Kamigaito, Masami	Polymer Journal	2011	43	2	105-120	10.1038/pj.2010.113	English
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Thermo-Switchable Materials Prepared Using the Oligoethylene glycol methacrylate-Platform	Lutz, Jean-Francois	Advanced Materials	2011	23	19	2237-2243	10.1002/adma.201100597	English

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A RAFT tutorial	Moad, Graeme; Rizzardo, Ezio; Thang, San H.	Strem Chemiker	2011	25	1	2-10		English
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Poly(meth)acrylates	Pan, Qinmin; Wang, Hui; Rempel, Garry L.	Handbook of Engineering and Specialty Thermoplastics	2011	3		429-491		English
Synthesis of glycopolymers	Pearson, Samuel; Chen, Gaojian; Stenzel, Martina H.	Engineered Carbohydrate-Based Materials for Biomedical Applications	2011			1-118	10.1002/9780470944349.ch1	English
Radical Coordination Chemistry and its Relevance to Metal-Mediated Radical Polymerization	Poli, Rinaldo	European Journal of Inorganic Chemistry	2011		10	1513-1530	10.1002/jeic.201001364	English
Poly(meth)acrylates Obtained by Cascade Reaction	Popescu, Dragos; Keul, Helmut; Moeller, Martin	Macromolecular Rapid Communications	2011	32	7	559-572	10.1002/marc.201000725	English
RAFT Polymerization and Thiol Chemistry: A Complementary Pairing for Implementing Modern Macromolecular Design	Roth, Peter J.; Boyer, Cyrille; Lowe, Andrew B.; Davis, Thomas P.	Macromolecular Rapid Communications	2011	32	15	1123-1143	10.1002/marc.201100127	English
Designing materials for advanced microelectronic patterning applications using controlled polymerization RAFT technology	Sheehan, Michael T.; Farnham, William B.; Chambers, Charles R.; Tran, Hoang-V.; Okazaki, Hiroshi; Brun, Yefim; Romberger, Matthew L.; Sounik, James R.	Proceedings of SPIE	2011	7972	Pt. 1	79720T/1-79720T/12	10.1117/12.882960	English
Reversible-Deactivation Radical Polymerizations	Shipp, Devon A.	Polymer Reviews	2011	51	2	99-103	10.1080/15583724.2011.566406	English
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Effects of nano-sized polymerization locus on the kinetics of controlled/living radical polymerization	Tobita, Hidetaka	Advanced Polymer Nanoparticles	2011			263-305	10.1201/ebk1439814437-c9	English
Degradable and biodegradable polymers by controlled/living radical polymerization: from synthesis to application	Tsarevsky, Nicolay V.	Green Polymerization Methods	2011			235-261	10.1002/9783527636167.ch11	English
Polymer vectors via controlled/living radical polymerization for gene delivery	Xu, F.-J.; Yang, W.-T.	Progress in Polymer Science	2011	36	9	1099-1131	10.1016/j.progpolymsci.2010.11.005	English
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Controlled/living radical polymerization in nanoreactors: compartmentalization effects	Zetterlund, Per B.	Polymer Chemistry	2011	2	3	534-549	10.1039/c0py00247j	English
Living radical polymerizations with organic catalysts	Goto, Atsushi; Tsuji, Yoshinobu; Kaji, Hironori	高分子論文集	2011	68	5	223-231	10.1295/koron.68.223	日本語
Applications of well-defined macromolecules synthesized by living radical polymerization	Jun, Kamada	Seikei Kako	2011	23	9	543-548		日本語
Biomaterial fabrication by glycoconjugates	Miura, Yoshiko	粉体工学会誌	2011	48	3	124-131	10.4164/sptj.48.124	日本語
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Polymer-stabilized nanoparticles and their dispersion properties	Saito, Yoshihiro; Otsuka, Hidenori	色材協会誌	2011	84	1	12-17	10.4011/shikizai.84.12	日本語
Precision synthesis of functional polymers and oligomers by radical polymerization	Sawamoto, Mitsuo	日本接着学会誌	2011	47	12	491-499	10.11618/adhesion.47.491	日本語
Precision synthesis of functional polymers and oligomers by radical polymerization	Sawamoto, Mitsuo	日本接着学会年次大会講演要旨集	2011	49th		1-5		日本語
Surface-functionalization of latex particles	Taniguchi, Tatsuo	ネットワークポリマー	2011	32	4	197-204		日本語
Fabrication and control of interfaces by polymer grafting on solid surfaces	Yoshinaga, Kohji	高分子	2011	60	9	661-664		日本語
Progress in synthesizing special structure polymers via combination of reversible addition-fragmentation chain transfer polymerization with click chemistry	Chen, Peng-yu; Cao, Ya	Gaofenzi Tongbao	2011		1	24-32		中国語

Application progress of RAFT polymerization technology in surfactant-free emulsion polymerization	Chen, Yanjun; Luo, Wen; Sun, Chong	Cailiao Daobao	2011	25	5a	73-76, 90		中国語
Soap-free living/controlled radical emulsion polymerization	Cheng, Chuanjie; Shen, Liang; Fu, Quanlei; Gong, Shanshan	Huaxue Jinzhan	2011	23	4	791-799		中国語
Current situation and perspectives of single electron transfer living radical polymerization	Ding, Wei; Sun, Ying; Lv, Chongfu; Wei, Jijun; Yu, Tao	Yingyong Huaxue	2011	28	3	245-253	10.3724/sp.j.1095.2011.00268	中国語
New progress in atom transfer radical polymerization	Hu, Liang; Zhang, Chaocan; Chen, Yanjun; Hu, Yuanyuan	Cailiao Daobao	2011	25	5a	68-72		中国語
Application of atom transfer radical polymerization in the surface modification of cellulose	Li, Gang; Yu, Haipeng; Fu, Yanchun; Liu, Yixing	Huagong Jinzhan	2011	30	6	1270-1276, 1289		中国語
Graft modification of chitosan and its applications in biomedical field	Li, Xiaofei; Yuan, Weizhong; Gu, Shuying; Ren, Tianbin; Ren, Jie	Suliao	2011	40	3	94-97		中国語
Intelligent cell detachment materials based on poly(N-isopropylacrylamide)	Liu, Dan; Wang, Tao; Liu, Xinxing; Wang, Chaoyang; Tong, Zhen	Huaxue Jinzhan	2011	23	11	2353-2359		中国語
Macromolecules with cyclodextrin as end group or core	Mu, Chengguang; Fan, Xiaodong; Tian, Wei; Yang, Guang	Huaxue Tongbao	2011	74	9	791-796		中国語
Progress in application of atom transfer radical polymerization in hydrogel preparation	Nan, Jiangkun; Liu, Yuyang; Zhong, Yaobing	Cailiao Daobao	2011	25	3a	69-72		中国語
Atom transfer radical polymerization for biomaterials applications	Pan, Changjiang; Nie, Yudong; Dong, Yunxiao	Cailiao Daobao	2011	25	12a	80-84, 91		中国語
Reversible addition-fragmentation chain transfer polymerization mediated by dendritic chain transfer agents	Shao, Lidong; Hu, Minqi; Ma, Qin; Xu, Li; Chen, Lin; Bi, Yunmei	Huaxue Tongbao	2011	74	1	16-23		中国語
Techniques of synthesizing polymeric (hollow) sub-micro/nanocapsules	Sun, Zhijuan; Lu, Fujun; Luo, Yingwu	Zhongguo Keji Lunwen Zaixian	2011	6	6	399-405		中国語
Progress in synthesis of fluorinated polymers	Wang, Hai-rong; Zhang, Ming-zu; Ni, Pei-hong	Gaofenzi Tongbao	2011		11	41-52		中国語
Application of ATRP in cellulose graft polymerization	Wang, Jing; Zhou, Xue-song; Xiao, Hui-ning	Gaofenzi Tongbao	2011		2	92-101		中国語
Progress of atom transfer radical polymerization in aqueous dispersion systems	Wang, Siyao; Lei, Liangcai; Zhang, Jun; Guo, Lei; Li, Haiying	Tuliao Gongye	2011	41	2	64-68		中国語
Progress in immobilization of catalyst in atom transfer radical polymerization	Wang, Wenwen; Zhang, Qiuyu; Guo, Feige; Gu, Junwei; Yin, Changjie; Sun, Jiuli	Cailiao Daobao	2011	25	4a	52-55		中国語
Research progress of synthesis and self-assembly for acrylonitrile block copolymers	Wang, Xiao-lu; Ma, Xiao-yan; Song, Chun-ying; Wang, Ying	Zhongguo Jiaonianji	2011	20	3	53-58		中国語
Review of synthesis of glycopolymers via ""Living""/controlled radical polymerization	Yang, Guang; Fan, Xiaodong; Tian, Wei; Mu, Chengguang; Cheng, Guangwen	Gaofenzi Cailiao Kexue Yu Gongcheng	2011	27	6	182-185,190		中国語
Application of surface-initiated atom transfer radical polymerization on preparing functional membrane	Yang, Wantai; Li, Chunyan	Mo Kexue Yu Jishu	2011	31	3	110-117, 126		中国語
Preparation and potential application of polymeric micelles via RAFT polymerization	Yang, Zhenglong; Zhou, Dan; Chen, Qiuyun	Huaxue Jinzhan	2011	23	11	2360-2367		中国語
Synthesis of well-defined polymer via a combination of click chemistry and living radical polymerization	Yuan, Weizhong; Zhang, Jinchun; Wei, Jingren	Huaxue Jinzhan	2011	23	4	760-771		中国語
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Research progress of RAFT polymerization on surface modification	Zhang, Hui; Gong, Yong-kuan	Gaofenzi Tongbao	2011		12	17-32		中国語
Progress in iron catalyst system of atom transfer radical polymerization	Zhang, Li-wu; Li, Yuan-yuan; Zheng, Yan; Xiong, Bang-hu	Gaofenzi Tongbao	2011		3	31-35		中国語
Mechanism of catalyst regeneration and polymerization control in atom transfer radical polymerization	Zhang, Liwu; Zheng, Yan; Xiong, Banghu; Li, Yuanyuan	Gaofenzi Cailiao Kexue Yu Gongcheng	2011	27	10	27-30		中国語
Schizophrenic micellization of block copolymers	Zhang, Xiaohui; Ai, Changjun; Ma, Jinghong; Xu, Jian	Huaxue Jinzhan	2011	23	4	781-790		中国語
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Research development of DEPN-mediated radical polymerization	Zhou, Chuan-yu; Cui, Yan-yan; Dong, Zhi-xian; Liu, Xiao-xuan	Gaofenzi Tongbao	2011		12	33-42		中国語
Metal-catalyzed living radical polymerization: evolution of ruthenium and iron catalysts	Ouchi, Makoto; Lee, Sang-Ho; Terashima, Takaya; Sawamoto, Mitsuo; Baek, Kyung-Youl	Kobunja Kwahak Kwa Kisul	2011	22	4	312-319		韓国語
Controlled radical polymerization (CRP) methods in the synthesis of polyurethane copolymers	Krol, Piotr; Chmielarz, Pawel	Polimery	2011	56	7/8	530-540	10.14314/polimery.2011.530	ポーランド語
Review of the most important methods of controlled radical polymerization (CRP). Part II. CRP with atom transfer and its industrial applications	Krol, Piotr; Chmielarz, Pawel	Polimery	2011	56	6	429-438	10.14314/polimery.2011.429	ポーランド語
Review of the most important methods of controlled radical polymerization (CRP). Part I. The main CRP characteristics and CRP with chain transfer	Krol, Piotr; Chmielarz, Pawel	Polimery	2011	56	5	349-359	10.14314/polimery.2011.349	ポーランド語
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Fundamentals of Atom Transfer Radical Polymerization	Coessens, Veerle M. C.; Matyjaszewski, Krzysztof	Journal of Chemical Education	2010	87	9	916-919	10.1021/ed1002256	English
Controlled radical polymerization: industrial stakes, obstacles and achievements	Destarac, Mathias	Macromolecular Reaction Engineering	2010	4	3-4	165-179	10.1002/mren.200900087	English
Chloro[(1,2,3,4,5- ϵ)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]-bis(triphenylphosphine)ruthenium	Eichman, Chad C.; Stambuli, James P.	e-EROS Encyclopedia of Reagents for Organic Synthesis	2010			1-4	10.1002/047084289x.rm01138	English
Polymers grafted to single-walled carbon nanotubes by radical polymerization	Ford, Warren T.	Macromolecular Symposia	2010	297		18-24	10.1002/masy.200900079	English
Modular Approaches to Star and Miktoarm Star Polymers by ATRP of Cross-Linkers	Gao, Haifeng; Matyjaszewski, Krzysztof	Macromolecular Symposia	2010	291-292		12-16	10.1002/masy.201050502	English
Engineering soft nanostructured functional materials via orthogonal chemistry	Gromadzki, Daniel	Reviews in Environmental Science and Bio/Technology	2010	9	4	301-306	10.1007/s11157-010-9213-8	English
Novel silicone-modified polyurethane dispersion technology for advanced coating systems	Howard, Christopher; Hallack, Markus; Heilen, Wernfried	Proceedings of the International Waterborne, High-Solids, and Powder Coatings Symposium	2010	37th		97-106		English
Essential factors to make excellent biocompatibility of phospholipid polymer materials	Ishihara, Kazuhiko; Inoue, Yuuki	Advances in Science and Technology	2010	76		1-9	10.4028/www.scientific.net/ast.76.1	English
ATRP for everyone: ligands and initiators for the clean synthesis of functional polymers	Jakubowski, Wojciech; Tsarevsky, Nicolay V.; McCarthy, Patrick; Matyjaszewski, Krzysztof	Material Matters	2010	5	1	16-24		English
Recent advances in the design of bioconjugates from controlled/living radical polymerization	Le Droumaguet, Benjamin; Nicolas, Julien	Polymer Chemistry	2010	1	5	563-598	10.1039/b9py00363k	English
Controlled/living radical polymerization in aqueous miniemulsion	Lefay, Catherine; Nicolas, Julien	Miniemulsion Polymerization Technology	2010			173-210	10.1002/9780470922354.ch7	English
Polyhomologation. A Living C1 Polymerization	Luo, Jun; Shea, Kenneth J.	Accounts of Chemical Research	2010	43	11	1420-1433	10.1021/ar100062a	English
Microwave-assisted synthesis of polymers in aqueous media	Marestin, Catherine; Mercier, Regis	RSC Green Chemistry Series	2010	7		145-175		English
Machine perfusion of the liver: past, present and future.	Monbaliu, Diethard; Brassil, John	Current opinion in organ transplantation	2010	15	2	160-6	10.1097/MOT.0b013e328337342b	English
Nanoreactors for Polymerizations and Organic Reactions	Monteiro, Michael J.	Macromolecules	2010	43	3	1159-1168	10.1021/ma902348r	English
Iron chelating macromolecules for intravascular iron chelation therapy	Rossi, Nicholas A. A.; Kizhakkedathu, Jayachandran N.	ACS Symposium Series	2010	1053		103-112	10.1021/bk-2010-1053.ch005	English
A versatile strategy for the synthesis of block copolymers bearing a photocleavable junction	Schumers, Jean-Marc; Gohy, Jean-Francois; Fustin, Charles-Andre	Polymer Chemistry	2010	1	2	161-163	10.1039/b9py00218a	English
'Green' reversible addition-fragmentation chain-transfer (RAFT) polymerization	Semsarilar, Mona; Perrier, Sebastien	Nature Chemistry	2010	2	10	811-820	10.1038/nchem.853	English
Stimuli-responsive amphiphilic (co)polymers via RAFT polymerization	Smith, Adam E.; Xu, Xuewei; McCormick, Charles L.	Progress in Polymer Science	2010	35	1-2	45-93	10.1016/j.progpolymsci.2009.11.005	English
Synthesis of glycopolymers and their multivalent recognitions with lectins	Ting, S. R. Simon; Chen, Gaojian; Stenzel, Martina H.	Polymer Chemistry	2010	1	9	1392-1412	10.1039/c0py00141d	English
Modification of Polysaccharides Through Controlled/Living Radical Polymerization Grafting-Towards the Generation of High Performance Hybrids	Tizzotti, Morgan; Charlot, Aurelia; Fleury, Etienne; Stenzel, Martina; Bernard, Julien	Macromolecular Rapid Communications	2010	31	20	1751-1772	10.1002/marc.201000072	English
Mechanism study and molecular design in controlled/"living" radical polymerization	Tu, Ying Feng; Cheng, Zhen Ping; Zhang, Zheng Biao; Zhu, Jian; Zhang, Wei; Zhou, Nian Chen; Ni, Pei Hong; Zhu, Xiu Lin	Science China: Chemistry	2010	53	8	1605-1619	10.1007/s11426-010-4051-7	English
End group removal and modification of RAFT polymers	Willcock, Helen; O'Reilly, Rachel K.	Polymer Chemistry	2010	1	2	149-157	10.1039/b9py00340a	English
Hyperbranched Polyethylenes and Functionalized Polymers by Chain Walking Polymerization with Pd-Diimine Catalysis	Ye, Zhibin; Li, Shiyun	Macromolecular Reaction Engineering	2010	4	5	319-332	10.1002/mren.200900068	English

Rational design of biopolymers via aqueous reversible addition-fragmentation chain transfer polymerization	York, Stacey E.; York, Adam W.; McCormick, Charles L.	ACS Symposium Series	2010	1053		49-63	10.1021/bk-2010-1053.ch003	English
Functionalization of nanoparticles, nanotubes and nanowires by surface-initiated atom transfer radical polymerization	Yuan, Jinying; Zhou, Mi; Yin, Yingwu	Nanotechnology	2010			309-330		English
The synthesis of modified polyethylene via coordination polymerization followed by ATRP, RAFT, NMRP or ROP	Zhao, Yulai; Wang, Li; Xiao, Anguo; Yu, Haojie	Progress in Polymer Science	2010	35	10	1195-1216	10.1016/j.progpolymsci.2010.05.002	English
Reaction engineering and industrial aspects of controlled/living radical polymerization	Zhu, Shiping; Editor	Macromol React. Eng.	2010	4	###	118 pages		English
Living radical polymerizations with organic catalysts	Goto, Atsushi	高分子	2010	59	10	798-799		日本語
Carbon compound as a catalyst for a new living radical polymerization	Goto, Atsushi	コンバーテック	2010	38	1	111-115		日本語
Living radical polymerization for developing new polymers	Kamachi, Mikiharu	Mirai Zairyo	2010	10	1	16-20		日本語
The forefront of materials synthesized by living radical polymerization	Kameshima, Takashi	高分子	2010	59	10	800-801		日本語
Advanced polymer materials synthesized by new living radical polymerization method	Kameshima, Takashi	色材協会誌	2010	83	7	295-299	10.4011/shikizai.83.295	日本語
Sequence control in radical polymerization	Kamigaito, Masami; Satoh, Kotaro	高分子	2010	59	10	781-784		日本語
Development of functional polymer using new living radical polymerization	Kawano, Kazuhiro	コンバーテック	2010	38	8	74-77		日本語
Atom transfer radical polymerization of methyl methacrylate using iminopyridine iron complexes immobilized into fluorotetrasilicic mica interlayer	Kondo, Takashi; Ohshima, Masa-aki; Kurokawa, Hideki; Miura, Hiroshi	CACS Forum (2010-)	2010	1		46-49		日本語
Development of adhesives using living radical polymerization to control molecular weight and distribution	Kono, Kazuhiro	接着の技術	2010	29	4	11-17		日本語
Design and realization of recyclable iron complex catalyst as atomic transfer radical polymerization (ATRP) catalyst	Nagashima, Hideo	化学と工業	2010	63	8	639-641		日本語
Synthesis of polymers via reaction of carbon disulfide and epoxides	Ochiai, Bungo	硫酸と工業	2010	63	7	99-108		日本語
Synthesis of polymer (particles) in supercritical carbon dioxide	Okubo, Masayoshi; Minami, Hideto; Suzuki, Toyoko	日本接着学会誌	2010	46	7	276-281		日本語
Functional polymers by living radical polymerization: synthesis and attempting chain control	Sawamoto, Mitsuo; Ouchi, Makoto; Terashima, Takaya	京都大学日本化学繊維研究所講演集	2010	67		27-34		日本語
Emergence of gelatinous chain transfer agents "RAFT Gel"s via chemoselective polycondensation	Takasu, Akinori; Yamamoto, Ken	高分子	2010	59	10	792-793		日本語
Grafting of polymers onto carbon nanotubes	Tsubokawa, Norio	日本ゴム協会誌	2010	83	11	361-366	10.2324/gomu.83.361	日本語
Precise materials design by living radical polymerization	Tsuji, Yoshinobu; Ohno, Kohji	高分子	2010	59	6	420-424		日本語
Synthesis of thick film concentrated polymer brushes by high pressure atomic transfer radical polymerization method	Tsuji, Yoshinobu; Hsu, Shu Yao; Ohno, Kohji; Fukuda, Takeshi	京都大学日本化学繊維研究所講演集	2010	67		64-69		日本語
Living radical polymerization 4. Stereospecific living radical polymerization	Yamago, Shigeru; Nakamura, Yasuyuki	日本ゴム協会誌	2010	83	2	35-39	10.2324/gomu.83.35	日本語
Environmentally friendly and controlled radical polymerization	Cai, Yuanli; Lu, Lican; Jiang, Wending; Deng, Junjie; Li, Yaohua; Shi, Yi	Huaxue Jinzhan	2010	22	7	1490-1498		中国語
Progress in the synthesis of polyacrylonitrile by atom transfer radical polymerization	Chen, Ling-ling; Xu, Xiao-dong; Feng, Si-wei; Li, Chun-ming; Ma, Cun-gui; Li, Zhan-shuang	Gaofenzi Tongbao	2010		6	87-92		中国語
Reaction system and research progress of reverse atom transfer radical	Guo, Li-juan; Liu, Yi-gang; Guo, Yong-jun; Feng, Ru-sen; Feng, Wen-mei	Guangzhou Huagong	2010	38	6	5-8, 12		中国語
The application of atom transfer radical polymerization at the modification of cellulose and its derivatives II	Han, Jing; Cheng, Fa; Wei, Yu-ping	Gaofenzi Tongbao	2010		1	11-18		中国語
Protein polymer conjugates	He, Naipu; He, Yufeng; Wang, Rongmin; Song, Pengfei; Zhou, Yun; Li, Gang	Huaxue Jinzhan	2010	22	12	2388-2396		中国語
Progress of atom transfer radical polymerization (ATRP) applied to the synthesis of dendritic polymers	Hu, Min-qi; Shao, Li-dong; Jiang, Dan; Bi, Yun-mei	Huaxue Shijie	2010	51	2	113-117		中国語
Application of ATRP in the synthesis of hyperbranched polymers	Hu, Shu-jie; Yu, De-mei; Xie, Yun-chuan	Gaofenzi Cailiao Kexue Yu Gongcheng	2010	26	1	162-165		中国語
Atom transfer radical polymerization	Li, Qiang; Zhang, Lifen; Bai, Liangjiu; Miao, Jie; Cheng, Zhenping; Zhu, Xiulin	Huaxue Jinzhan	2010	22	11	2079-2088		中国語
Recent advances of reversible addition fragmentation chain-transfer polymerization	Lou, Yu; Hu, Na; Li, Ji-hang; Chen, Ming-qing	Huaxue Shijie	2010	51	8	497-500, 512		中国語
Progress in research on polymerization of vinyl chloride in 2009	Lu, Ting; Bao, Yongzhong; Shan, Guorong; Huang, Zhiming	Juluyixi	2010	38	8	1-4, 35		中国語
Atom transfer radical polymerization in miniemulsion	Qian, Tao; Wang, Juanjuan; Zhang, Qinghua; Zhan, Xiaoli; Chen, Fengqiu	Huaxue Jinzhan	2010	22	4	663-668		中国語

Application of surface-initiated atom transfer radical polymerization in membranes technology	Qiu, Jian-hua; Zhang, Yan-wu; Zhang, Hao-qin; Liu, Jin-dun	Gaofenzi Cailiao Kexue Yu Gongcheng	2010	26	7	167-169,174		中国語
Progress of atom transfer radical polymerization and its application in preparation of novel polymers	Su, Yong-feng	Huaxue Tuijinji Yu Gaofenzi Cailiao	2010	8	2	38-41		中国語
A novel controlled radical polymerization technique: single electron-transfer living radical polymerization (SET-LRP)	Tang, Xin-yan	Gaofenzi Tongbao	2010		8	85-91		中国語
Advance in ATRP and synthesis of block copolymers by ATRP	Wang, Mei; Lin, Wenjing; Huang, Hailiang; Zhang, Si	Huagong Jishu Yu Kaifa	2010	39	9	18-22		中国語
Latest advances in research of atom transfer radical polymerization: activators generated by electron transfer ATRP	Wang, Yin hao; Jiang, Xue; Huang, Dan	Xiandai Huagong	2010	30	1	15-19		中国語
Progress in reversible addition-fragmentation chain transfer (RAFT) radical polymerization	Wu, Xiaoming; Huo, Jichuan; Lei, Yonglin	Guangdong Huagong	2010	37	3	9-11		中国語
Research advance of aldehyde-functionalized polymers by 'living'/controlled radical polymerization	Xiao, Naiyu; Zhai, Wanjing; Zhong, Le; Bai, Weidong; Zhao, Xiaojuan	Cailiao Daobao	2010	24	8a	64-68		中国語
Influence of side reaction on the tailored polymers via atom transfer radical polymerization(ATRP)	Xiong, Banghu; Zheng, Shiyuan; Tian, Junxiang	Tuliao Gongye	2010	40	11	76-79		中国語
Progress in synthesis of polymer brushes by atom transfer radical polymerization method	Xu, Qunna; Ma, Jianzhong; Bao, Yan	Cailiao Daobao	2010	24	6a	85-88		中国語
The modification of chitosan by free radical polymerization	Xu, Wei-nan; Shen, Qing	Xianweisu Kexue Yu Jishu	2010	18	2	74-85		中国語
Recent development of atom transfer radical polymerization	Xu, Xia; Xing, Tieling	Cailiao Daobao	2010	24	8a	89-93		中国語
Applications of ATRP in pH/temperature responsive amphiphilic copolymers	Yang, Xing-bing; Zhang, Li-wu; Liu, Jing	Xiandai Tuliao Yu Tuzhuang	2010	13	4	14-16		中国語
Research progress of activator generated by electron transfer for atom transfer radical polymerization	Yang, Xingbing; Zhang, Liwu; Liu, Jing; Shen, Jinming; Li, Yuanyuan; Zheng, Yan	Tuliao Gongye	2010	40	5	71-73		中国語
Functionalization and structure control of carbon nanotubes with polymers: Polymer-grafted carbon nanotubes	Yang, Yingkui; Qiu, Shengqiang; Wang, Xianbao; Xie, Xiaolin	Huaxue Jinzhan	2010	22	4	684-695		中国語
Progress in the synthesis of amphiphilic star-shaped polymers	Zhang, Jun-le; Fu, Peng; Zhao, Qing-xiang; Liu, Min-ying; Ruan, Xian-hui; Wang, Yu-dong	Gaofenzi Cailiao Kexue Yu Gongcheng	2010	26	8	154-156		中国語
Synthesis of well-defined polymers via mechanism transformation between living ring-opening polymerization and controlled free radical polymerization	Zhou, Lilin; Yuan, Jinying; Cai, Zhinan; Hong, Xiaoyin	Huaxue Jinzhan	2010	22	9	1799-1807		中国語
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Architecture of hyperbranched polymers and polymer brushes via a living radical polymerization	Ishizu, Koji	塗装工学	2009	44	11	414-425		日本語
Development for commercial viability of living radical polymerization with transition metal catalyst	Kamigaito, Masami	Organometallic News	2009		2	66		日本語
Precise control of synthetic polymer structures. Control of radical polymerization and precise synthesis of polymers	Kamigaito, Masami	化学と工業	2009	62	1	25-27		日本語
Radical polymerization	Kamigaito, Masami; Satoh, Kotaro	ネットワークポリマー	2009	30	5	234-249		日本語
Controlled / living radical polymerization in aqueous dispersed systems	Minami, Hideto; Zetterlund, Per B.; Okubo, Masayoshi	高分子	2009	58	2	78-81		日本語
Microparticles having super high density of polymer chains: synthesis and application	Ohno, Kohji	ケミカルエンジニアリング	2009	54	8	7-12		日本語
Functionalized star polymer by living radical polymerization	Sawamoto, Mitsuo; Ouchi, Makoto; Terashima, Takaya	京都大学日本化学繊維研究所講演集	2009	66		52-58		日本語
Living radical polymerization 3. Synthesis of block copolymers and end-functionalized polymers by chain-end modification	Yamago, Shigeru; Nakamura, Yasuyuki	日本ゴム協会誌	2009	82	12	522-526	10.2324/gomu.82.522	日本語
Living radical polymerization 2. polymerization mechanism and methods 2	Yamago, Shigeru; Nakamura, Yasuyuki	日本ゴム協会誌	2009	82	8	363-369	10.2324/gomu.82.363	日本語
Living radical polymerization 1. Polymerization mechanism and methods 1	Yamago, Shigeru; Nakamura, Yasuyuki	日本ゴム協会誌	2009	82	3	135-140	10.2324/gomu.82.135	日本語
Modification of rubbers through chemical reactions including controlled/"living" radical polymerization techniques	Joo, Sang-il; Cho, Hyun-chul; Lee, Seong-hoon; Hong, Sung Chul	Elastomers and Composites	2009	44	2	122-133		韓国語
Application development of RAFT on polymer molecular design	Chen, Yan-jun; Zhang, Yu-ying	Gaofenzi Cailiao Kexue Yu Gongcheng	2009	25	7	170-174		中国語
Functionalization of carbon nanotubes through free radical reaction	Guo, Guiquan; Wu, Limin; Wang, Changchun; Fang, Junfeng	Huaxue Jinzhan	2009	21	10	2084-2092		中国語
The application of atom transfer radical polymerization at the modification of cellulose and its derivatives I	Han, Jing; Cheng, Fa; Wei, Yu-ping	Gaofenzi Tongbao	2009		12	25-37		中国語

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Research progress of reverse atom transfer radical polymerization	Li, Li; Cao, Yafeng; Liang, Lingxun	Huagong Jinzhan	2009	28	2	283-287, 304		中国語
Grafting polymers from silica particles by atom transfer radical polymerization (ATRP)	Liu, Chun-hua; Fan, Bao-lin; Liu, Zhen	Gaofenzi Tongbao	2009		4	64-70		中国語
Emulsion atom transfer radical polymerization	Liu, Hu; Wang, Wenhao; Hu, Xiaoxi; Peng, Hui; Yi, Changfeng; Xu, Zushun	Huaxue Jinzhan	2009	21	6	1292-1298		中国語
Preparation of water-soluble polymers by RAFT: the state of the art	Liu, Xue-jing; Feng, Yu-jun; Su, Xin; Shuai, Ya; Wang, Yu	Gaofenzi Tongbao	2009		2	64-70		中国語
Research progress of application of reversible addition-fragmentation chain transfer living radical polymerization	Liu, Yong; Jin, Yu-zi	Gaofenzi Tongbao	2009		6	59-67		中国語
Research progress of macromolecular self - assembly block copolymer	Peng, Xiu-qin	Liaoning Huagong	2009	38	12	909-913		中国語
Synthesis of block polymer surfactant and its application prospect in leather industry	Shen, Xiaoliang; Ma, Jianzhong; Zhou, Jianhua	Zhongguo Pige	2009	38	17	45-49, 54		中国語
Synthesis of block polymeric surfactants and application prospect in leather industry	Shen, Xiaoliang; Ma, Jianzhong; Zhou, Jianhua	Zhongguo Pige	2009	38	15	52-54		中国語
Research progress of ionic liquids in atom transfer radical polymerization	Tian, Dong; Xiao, Cheng-long; Wei, Zeng-jiang; Chen, Ping; Liu, Wei-liang	Gaofenzi Tongbao	2009		11	28-31		中国語
Research progress in initiation systems of atom transfer activity- controllable radical polymerization	Wang, Cundong; Qiao, Bo	Huagong Jishu Yu Kaifa	2009	38	12	19-22		中国語
Application of ion imprinting technology in treatment and recycling of heavy metal	Wang, Jinsong; Bao, Zhenglei; Liu, Yaochi; Liu, Liping; Chen, Siguang	Anquan Yu Huanjing Xuebao	2009	9	4	59-62	10.3969/j.issn.1009-6094.2009.04.016	中国語
Review on applications of atom transfer radical polymerization on polymeric membrane's hydrophilic and functional modification	Yi, Zhuan; Xu, You-yi; Zhu, Li-ping; Dong, Han-bang; Zhu, Bao-ku	Gongneng Calliao	2009	40	2	181-184		中国語
Controlled/living radical polymerization in emulsion	Yin, De-zhong; Zhang, Qiu-yu; Zhang, He-peng	Gaofenzi Tongbao	2009		3	50-56		中国語
Progress of reversible addition-fragmentation chain transfer (RAFT) polymerization applied to the synthesis of star polymers	Zhang, Peng; Pan, Yi; Zheng, Zhao-hui; Ding, Xiao-bin; Peng, Yu-xing	Gaofenzi Tongbao	2009		4	49-57		中国語
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Recent advances in controlled/living radical polymerization in emulsion and dispersion	Oh, Jung Kwon	Journal of Polymer Science, Part A: Polymer Chemistry	2008	46	21	6983-7001	10.1002/pola.23011	English
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Tribological characteristics of polymer brushes immobilized surface	Kobayashi, Motoyasu; Wang, Zhe; Terayama, Yuki; Yamaguchi, Hiroki; Takahara, Atsushi	九州大学秋桜分析センター報告集	2007	25		40-46		日本語

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Synthesis and application of incompletely condensed silsesquioxanes	Yamahiro, Mikio; Oikawa, Hisao	シルセスキオキサン材料の化学と応用展開	2007			96-108		日本語
New progress in miniemulsion polymerization	Bao, Xiang-jun; Wu, Wen-hui; Gong, Li-xiang; Wang, Jian-quan	Xiandai Huagong	2007	27	Sup pl. 1	146-150		中国語
Applications of ATRP in intelligent hydrogels	Jiang, Zhi-fei; Zhang, Li-Wu	Gaofenzi Tongbao	2007		1	63-67		中国語
Living radical copolymerization via reversible addition-fragmentation chain transfer	Li, An-long; Liang, Hui; Lu, Jiang	Gaofenzi Tongbao	2007		9	15-22		中国語
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New applications of living/controlled polymerization methods for synthesis of copolymers with designed architectures and properties	Cianga, Ioan; Cianga, Luminita; Yagci, Yusuf	New Trends in Nonionic (Co)Polymers and Hybrids	2006			1-52		English
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Probing mechanistic features of conventional, catalytic and living free radical polymerizations using soft ionization mass spectrometric techniques	Barner-Kowollik, Christopher; Davis, Thomas P.; Stenzel, Martina H.	Polymer	2004	45	23	7791-7805	10.1016/j.polymer.2004.09.017	English
Recent advances in the synthesis and rearrangement of block copolymer brushes	Boyes, Stephen G.; Granville, Anthony M.; Baum, Marina; Akgun, Bulent; Mirous, Brian K.; Brittain, William J.	Polymer Brushes	2004			151-165		English
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Applications of polymer brushes and other surface-attached polymers	Caster, Kenneth C.	Polymer Brushes	2004			331-370		English
Free radical processes in water dispersion: new developments	Charleux, Bernadette; Farcet, Celine; Burguiere, Carine; Vairon, Jean-Pierre	NATO Science Series, II: Mathematics, Physics and Chemistry	2004	175		39-46		English
A Quantum-Chemical Approach to Understanding Reversible Addition Fragmentation Chain-Transfer Polymerization	Coote, Michelle L.	Australian Journal of Chemistry	2004	57	12	1125-1132	10.1071/ch04083	English
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Controlled radical semibatch polymerization for the production of solvent-borne coating resins	Fu, Y.; Cunningham, M. F.; Hutchinson, R. A.	DECHEMA Monographien	2004	138		467-471		English
Fundamental kinetic aspects of living radical polymerization and the use of gel permeation chromatography to shed light on them	Fukuda, Takeshi	Journal of Polymer Science, Part A: Polymer Chemistry	2004	42	19	4743-4755	10.1002/pola.20325	English
Controlled polymerisation techniques for the design of novel polymeric additives	Goebelt, Bernd	FATIPEC Congress	2004	27th	Vol. 1	303-312		English
Kinetics of living radical polymerization	Goto, Atsushi; Fukuda, Takeshi	Progress in Polymer Science	2004	29	4	329-385	10.1016/j.progpolymsci.2004.01.002	English
Architecture of multi-component copolymer brushes: Synthesis, solution properties and application for nanodevices	Ishizu, Koji	Polymer Journal	2004	36	10	775-792	10.1295/polymj.36.775	English
Metal-catalyzed living radical polymerization: Discovery and developments	Kamigaito, Masami; Ando, Tsuyoshi; Sawamoto, Mitsuo	Chemical Record	2004	4	3	159-175	10.1002/trc.20011	English
Design and application of amphiphilic polymeric supports for micellar catalysis	Kotre, Thomas; Zarka, M. Tobias; Krause, Jens O.; Buchmeiser, Michael R.; Weberskirch, Ralf; Nuyken, Oskar	Macromolecular Symposia	2004	217		203-214	10.1002/masy.200451316	English
Preparation of vinyl polymers bearing photo-labile diethylthiocarbamoylthiyl (S2CNEt2) groups via ATRP	Li, Peng; Qin, Shu-Hui; Qin, Dong-Qi; Qiu, Kun-Yuan	Polymer International	2004	53	6	756-765	10.1002/pi.1442	English
Transition metal mediated living radical polymerisation	Limer, Adam; Haddleton, David M.	Progress in Reaction Kinetics and Mechanism	2004	29	3	187-241	10.3184/00796740477726223	English
Preparation of nanocomposites with well-defined organic (co)polymers	Matyjaszewski, Krzysztof	NATO Science Series, II: Mathematics, Physics and Chemistry	2004	175		123-134		English

New materials by controlled/living radical polymerization	Matyjaszewski, Krzysztof	DEHEMA Monographien	2004	138		107-108			English
New materials by atom transfer radical polymerization	Matyjaszewski, Krzysztof	Molecular Crystals and Liquid Crystals	2004	415		23-34	10.1080/15421400490481971		English
Biomimetic materials and micropatterned structures using iniferters	Peppas, Nicholas A.; Ward, Jennifer H.	Advanced Drug Delivery Reviews	2004	56	11	1587-1597	10.1016/j.addr.2003.10.046		English
Developments in polymer architecture and design applicable to surface coatings	Perrier, S.	Surface Coatings International, Part B: Coatings Transactions	2004	87	B4	235-239	10.1007/bf02699670		English
Polymer brushes by atom transfer radical polymerization	Pyun, Jeffrey; Kowalewski, Tomasz; Matyjaszewski, Krzysztof	Polymer Brushes	2004			51-68			English
New initiation systems for atom transfer radical polymerization	Qiu, Kun-yuan; Li, Peng	Chinese Journal of Polymer Science	2004	22	2	99-110			English
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Catalyst separation in atom transfer radical polymerization	Shen, Youqing; Tang, Huadong; Ding, Shijie	Progress in Polymer Science	2004	29	10	1053-1078	10.1016/j.progpolymsci.2004.08.002		English
Tin-free radical chemistry using the persistent radical effect: alkoxyamine isomerization, addition reactions and polymerizations	Studer, Armido	Chemical Society Reviews	2004	33	5	267-273	10.1039/b307652k		English
Recent development of transition metal-catalyzed living radical polymerization	Ando, Tsuyoshi; Kamigaito, Masaki; Sawamoto, Mitsuo	化学	2004	59	2	58-59			日本語
Power and attractiveness of surface initiated living radical polymerization	Fukuda, Takeshi	化学	2004	59	7	78-79			日本語
Synthesis of thermoplastic elastomer by living radical polymerization and property control	Kimura, Katsuhiko	ポリマーフロンティア21	2004	21		39-62			日本語
Syntheses of precision polymers by controlled/living radical polymerization within nano reactors dispersing in aqueous medium	Minami, Hideto; Okubo, Masayoshi	日本接着学会誌	2004	40	11	530-532			日本語
Synthesis of Mikto arm star copolymer using living radical polymerization	Miura, Yozo	接着	2004	48	12	556-561			日本語
Control of nano-structures of polymers by living radical polymerization	Miura, Yozo	科学と工業	2004	78	1	32-40			日本語
Precise preparation of organic-inorganic composite microparticles by living radical polymerization	Ohno, Kohji; Koh, Kyoungmoo; Tsujii, Yoshinobu; Fukuda, Takeshi	京都大学日本化学繊維研究所講演集	2004	61		47-52			日本語
Recent progress in living radical polymerization using metal complex catalysts	Sawamoto, Mitsuo; Kamigaito, Masami; Ando, Tsuyoshi	京都大学日本化学繊維研究所講演集	2004	61		11-16			日本語
Precise surface design by living radical polymerization - synthesis and properties of high-density polymer brushes	Tsujii, Yoshinobu	高分子	2004	53	7	490-493	10.1295/kobunshi.53.490		日本語
A new method for living radical polymerization using organo-tellurium compounds	Yamago, Shigeru; Iida, Kazunori; Nakajima, Mitsuru; Yoshida, Jun-ichi	高分子論文集	2004	61	4	227-236	10.1295/koron.61.227		日本語
Synthesis of nonlinear block copolymers	Hong, Chunyan; Pan, Caiyuan	Huaxue Tongbao	2004	67	6	408-417			中国語
Synthesis of block copolymers by macroinitiator method	Hong, Chunyan; Pan, Caiyuan	Huaxue Tongbao	2004	67	4	246-256			中国語
Advances in atom transfer radical polymerization	Hua, Man; Chen, Mingqing; Liu, Xiaoya; Yang, Cheng	Huaxue Shijie	2004	45	2	103-106, 95, 111			中国語
Synthesis of block copolymers by atom transfer radical polymerization	Li, Hong	Huaxue Tongbao	2004	67	12	w100/1-w100/7			中国語
Study of reversible addition-fragmentation chain transfer polymerization	Tang, Xiangyang; Yu, Jiugao; Wang, Yanjun	Gaofenzi Tongbao	2004		3	29-37			中国語
Atom transfer radical polymerization and its developments	Tang, Zhi-zhong; Gao, Bao-jiao	Huabei Gongxueyuan Xuebao	2004	25	4	271-276			中国語
Advances in carbon-carbon bond type initiation system for living radical polymerization	Yao, Xian-dong; Qi, Yin; Ji, Gen-zhong; Sun, Xu-dong; Wang, Yun; Zheng, Xiao-ming; Qi, Chen-ze	Gaofenzi Cailiao Kexue Yu Gongcheng	2004	20	2	32-35, 39			中国語
"Living"/controlled polymerization of fluoroalkyl (meth)acrylate	Yi, Lingmin; Zhan, Xiaoli; Chen, Fengqi	Huaxue Jinzhan	2004	16	6	954-961			中国語
RAFT polymerization	Avramovic, Milena; Katsikas, Lynne; Dunjic, Branko; Popovic, Ivanka G.	Hemijaska Industrija	2004	58	11	514-520	10.2298/hemind0411514a		セルビア語
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Reversible addition-fragmentation chain transfer polymerization initiated with γ -radiation at ambient temperature: an overview	Barner, Leonie; Quinn, John F.; Barner-Kowollik, Christopher; Vana, Philipp; Davis, Thomas P.	European Polymer Journal	2003	39	3	449-459	10.1016/s0014-3057(02)00247-1		English

RAFTing down under: tales of missing radicals, fancy architectures, and mysterious holes	Barner-Kowollik, Christopher; Davis, Thomas P.; Heuts, Johan P. A.; Stenzel, Martina H.; Vana, Philipp; Whittaker, Michael	Journal of Polymer Science, Part A: Polymer Chemistry	2003	41	3	365-375	10.1002/pola.10567	English
Living free radical polymerization of styrene	Butte, Alessandro; Storti, Giuseppe; Morbidelli, Massimo	Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers	2003			111-128	10.1002/0470867213.ch6	English
Polymer synthesis in ionic liquids	Carmichael, Adrian J.; Haddleton, David M.	Ionic Liquids in Synthesis	2003			319-335	10.1002/3527600701.ch7	English
Boroxyl-mediated living radical polymerization and applications	Chung, T. C. Mike	Polymer News	2003	28	8	238-244		English
Boroxyl-based radical initiators and polymerization	Chung, T. C.; Hong, H.	ACS Symposium Series	2003	854		481-495	10.1021/bk-2003-0854.ch034	English
Dual activity of ruthenium catalysts in controlled radical reactions and olefin metathesis	Delaude, L.; Delfosse, S.; Démonceau, A.; Richel, A.; Noels, A. F.	NATO Science Series, II: Mathematics, Physics and Chemistry	2003	122		87-100		English
Living radical polymerization with designed metal complexes	Kamigaito, Masami; Ando, Tsuyoshi; Sawamoto, Mitsuo	ACS Symposium Series	2003	854		102-115	10.1021/bk-2003-0854.ch008	English
Complex nanostructured materials from segmented copolymers prepared by ATRP	Kowalewski, T.; McCullough, R. D.; Matyjaszewski, K.	European Physical Journal E: Soft Matter	2003	10	1	5-16	10.1140/epje/e2003-00009-x	English
Further progress in atom transfer radical polymerizations conducted in a waterborne system	Li, Mei; Matyjaszewski, Krzysztof	Journal of Polymer Science, Part A: Polymer Chemistry	2003	41	22	3606-3614	10.1002/pola.10936	English
RAFT polymerization in homogeneous aqueous media	Lowe, Andrew B.; Sumerlin, Brent S.; Donovan, Michael S.; Thomas, David B.; Hennaux, Pierre; McCormick, Charles L.	ACS Symposium Series	2003	854		586-602	10.1021/bk-2003-0854.ch040	English
Synthesis and properties of copolymers with tailored sequence distribution by controlled/living radical polymerization	Lutz, Jean-Francois; Pakula, Tadeusz; Matyjaszewski, Krzysztof	ACS Symposium Series	2003	854		268-282	10.1021/bk-2003-0854.ch019	English
Organic/inorganic hybrid materials prepared by atom transfer radical polymerization	Matyjaszewski, Krzysztof	Nonlinear Optics, Quantum Optics	2003	30	3-4	167-179		English
New catalysts for controlled/living atom transfer radical polymerization (ATRP)	Matyjaszewski, Krzysztof	Studies in Surface Science and Catalysis	2003	145		3-11		English
Controlling polymer structures by atom transfer radical polymerization and other controlled/living radical polymerizations	Matyjaszewski, Krzysztof	Macromolecular Symposia	2003	195		25-31	10.1002/masy.200390131	English
Controlled/living radical polymerization: State of the art in 2002	Matyjaszewski, Krzysztof	ACS Symposium Series	2003	854		2-9	10.1021/bk-2003-0854.ch001	English
Advances in Controlled/Living Radical Polymerization. (ACS Symposium held in Boston, Massachusetts 15-18 August 1997.) [In: ACS Symp. Ser., 2003; 854]	Matyjaszewski, Krzysztof; Editor	ACS Symposium Series	2003			688 pages	10.1021/bk-2003-0854	English
Synthesis of novel architectures by radical polymerization with reversible addition fragmentation chain transfer (RAFT polymerization)	Moad, Graeme; Mayadunne, Roshan T. A.; Rizzardo, Ezio; Skidmore, Mellissa; Thang, San H.	Macromolecular Symposia	2003	192		1-12	10.1002/masy.200390029	English
Graft copolymers attained by ATRP and ADMET	O'Donnell, Patrick M.; Wagener, Kenneth B.	NATO Science Series, II: Mathematics, Physics and Chemistry	2003	122		191-202		English
Toward structural and mechanistic understanding of transition metal-catalyzed atom transfer radical processes	Pintauer, Tomislav; McKenzie, Blayne; Matyjaszewski, Krzysztof	ACS Symposium Series	2003	854		130-147	10.1021/bk-2003-0854.ch010	English
Synthesis of polymer brushes using atom transfer radical polymerization	Pyun, Jeffrey; Kowalewski, Tomasz; Matyjaszewski, Krzysztof	Macromolecular Rapid Communications	2003	24	18	1043-1059	10.1002/marc.200300078	English
Organic-inorganic hybrid materials from polysiloxanes and polysilsesquioxanes using controlled/living radical polymerization	Pyun, Jeffrey; Xia, Jianhui; Matyjaszewski, Krzysztof	ACS Symposium Series	2003	838		273-284	10.1021/bk-2003-0838.ch023	English
RAFT polymerisation in water-borne organic dispersions	Tonge, M. P.; McLeary, J. B.; Vosloo, J. J.; Sanderson, R. D.	Macromolecular Symposia	2003	193		289-304	10.1002/masy.200390060	English
Controlled grafting to polyethylene and polypropylene backbone with ""living"" radical polymerization	Yamamoto, Katsuhiko; Shimada, Shigetaka	Current Trends in Polymer Science	2003	8		143-155		English
Living/controlled grafting from polymer microspheres	Zheng, Guo-dong; Stoeber, Harald D. H.	Chinese Journal of Polymer Science	2003	21	6	639-651		English
Organic acids used as new ligands for atom transfer radical polymerization	Zhu, Shenmin; Yan, Deyue; Van Beylen, Marcel	ACS Symposium Series	2003	854		221-235	10.1021/bk-2003-0854.ch016	English
Living radical polymerization and new block copolymers	Fukuda, Takeshi; Goto, Atsushi	日本ゴム協会誌	2003	76	8	289-293	10.2324/gomu.76.289	日本語
Polymerization control of acrylic monomers	Kobayashi, Motoyasu	接着	2003	47	6	271-275		日本語
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Various types of living polymerization and block copolymer	Takenaka, Katsuhiko	日本ゴム協会誌	2003	76	8	274-280	10.2324/gomu.76.274	日本語
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Synthesis of linear block copolymers by ATRP and RAFT method	Hong, Chunyan; Pan, Caiyuan	Huaxue Tongbao	2003	66	6	363-372		中国語
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Development of controlled/living radical polymerization in aqueous media	Peng, Hui; Shen, Yanhua; Ke, Yong; Cheng, Shiyuan	Gaofenzi Tongbao	2003		1	43-52		中国語
Living radical polymerization with reversible addition-fragmentation chain transfer	Wang, Yanjun; Wang, Yuxia; Yuan, Caideng; Cao, Tongyu	Gaofenzi Tongbao	2003		3	57-63		中国語
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Recent advances of transition-metal catalyst systems for atom transfer radical polymerization (ATRP)	Zhong, Ling; Hua, Jing; Yang, Wei-hai; Jia, Bin-bin; Chen, Dian-bao	Tanxingti	2003	13	6	54-60		中国語
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Application of advanced techniques of radical polymerization in the synthesis of high-solid acrylic polyols	Mestach, Dirk	Pinturas y Acabados Industriales	2003	45	286	45-52		スペイン語
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Water-soluble and water dispersible polymers by living radical polymerisation	Bon, Stefan A. F.; Ohno, Kohji; Haddleton, David M.	ACS Symposium Series	2001	780		148-161	10.1021/bk-2001-0780.ch009	English
Functional polymers by atom transfer radical polymerization	Coessens, Veerle; Pintauer, Tomislav; Matyjaszewski, Krzysztof	Progress in Polymer Science	2001	26	3	337-377	10.1016/s0079-6700(01)00003-x	English
Stars and dendrimer-like architectures by the divergent method using controlled radical polymerization	Gnanou, Yves; Taton, Daniel	Macromolecular Symposia	2001	174		333-341	10.1002/1521-3900(200109)174:1<333::aid-masy333>3.0.co;2-w	English
A practical approach to the living polymerization of functionalized monomers: application to block copolymers and 3-dimensional macromolecular architectures	Harth, Eva; Bosman, Anton; Benoit, Didier; Helms, Brett; Frechet, Jean M. J.; Hawker, Craig J.	Macromolecular Symposia	2001	174		85-92	10.1002/1521-3900(200109)174:1<85::aid-masy85>3.0.co;2-9	English
New Polymer Synthesis by Nitroxide Mediated Living Radical Polymerizations	Hawker, Craig J.; Bosman, Anton W.; Harth, Eva	Chemical Reviews	2001	101	12	3661-3688	10.1021/cr990119u	English
Metal-Catalyzed Living Radical Polymerization	Kamigaito, Masami; Ando, Tsuyoshi; Sawamoto, Mitsuo	Chemical Reviews	2001	101	12	3689-3745	10.1021/cr9901182	English

Recent advances in the synthesis of polymeric surfactants	Liu, S.; Armes, S. P.	Current Opinion in Colloid & Interface Science	2001	6	3	249-256	10.1016/s1359-0294(01)00090-5	English
Functional star, comb, brush and (hyper)branched polymers by ATRP	Matyjaszewski, Krzysztof	Polymeric Materials Science and Engineering	2001	84		363-364		English
Atom Transfer Radical Polymerization	Matyjaszewski, Krzysztof; Xia, Jianhui	Chemical Reviews	2001	101	9	2921-2990	10.1021/cr940534g	English
Radical moves	Monteiro, Michael	PPCJ, Polymers Paint Colour Journal	2001	191	444	20.22		English
Synthesis of Nanocomposite Organic/Inorganic Hybrid Materials Using Controlled/"Living" Radical Polymerization	Pyun, Jeffrey; Matyjaszewski, Krzysztof	Chemistry of Materials	2001	13	10	3436-3448	10.1021/cm011065j	English
Controlled/living radical polymerization in aqueous media: homogeneous and heterogeneous systems	Qiu, Jian; Charleux, Bernadette; Matyjaszewski, Krzysztof	Progress in Polymer Science	2001	26	10	2083-2134	10.1016/s0079-6700(01)00033-8	English
Progress in controlled/living polymerization (CLP) in aqueous media. Part III. Controlled/living polymerization in aqueous media	Qiu, Jian; Charleux, Bernadette; Matyjaszewski, Krzysztof	Polimery	2001	46	10	663-672	10.14314/polimery.2001.663	English
Progress in controlled/living polymerization in aqueous media. Part I. Principles and methods	Qiu, Jian; Charleux, Bernadette; Matyjaszewski, Krzysztof	Polimery	2001	46	7/8	453-460		English
Synthesis of man-made polymers	Rimmer, Steve	Annual Reports on the Progress of Chemistry, Section B: Organic Chemistry	2001	97		209-228	10.1039/b106462m	English
Metal-catalyzed living radical polymerization in water and in organic media for practical polymer synthesis	Sawamoto, Mitsuo; Kamigaito, Masami	Polymeric Materials Science and Engineering	2001	84		56-57		English
Recent living radical polymerization	Fukuda, Takeshi	未来材料	2001	1	11	14-21		日本語
Living radical polymerization	Kamigaito, Masami; Sawamoto, Mitsuo	現代化学	2001	363		34-42		日本語
Recent development of living radical polymerization	Sawamoto, Mitsuo; Kamigaito, Masami; Ando, Tsuyoshi	京都大学日本化学繊維研究所講演集	2001	58		1-7		日本語
Surface design by living radical polymerization	Tsujii, Takanobu; Fukuda, Takeshi	高分子加工	2001	50	2	58-65		日本語
Living radical polymerization	Yamada, Bunichiro; Hirai, Yukako	化学工学	2001	65	8	444-449		日本語
Synthesis of new polymeric materials by atom transfer radical polymerization technique	Hua, Jing; Jing, Xion-ke; Chen, Dian-bao	Huagong Keji	2001	9	4	52-58		中国語
Latest development of "Living" Radical Polymerization - Atom Transfer Radical Polymerization	Jia, Bin-bin; Chen, Dian-bao; Hua, Jing; Liu, Qu-feng; Yu, Hong-jun	Qingdao Huagong Xueyuan Xuebao	2001	22	1	8-11		中国語
Applications of living free radical polymerization in macromolecular synthesis	Li, Bao-en; Lu, Jiang	Zhongshan Daxue Xuebao, Ziran Kexueban	2001	40	5	68-71		中国語
New type of reverse ATRP process with initiating system consisting of thermal iniferters as the initiator	Qin, Dongqi; Qiu, Kunyuan	Gaofenzi Xuebao	2001		3	281-287		中国語
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From telomerization to living radical polymerization	Boutevin, B.	Journal of Polymer Science, Part A: Polymer Chemistry	2000	38	18	3235-3243	10.1002/1099-0518(20000915)38:18<3235::aid-pola20>3.0.co;2-6	English
Kinetics of living radical polymerization	Fukuda, Takeshi; Goto, Atsushi	ACS Symposium Series	2000	768		27-38	10.1021/bk-2000-0768.ch002	English
Mechanisms and kinetics of living radical polymerizations	Fukuda, Takeshi; Goto, Atsushi; Ohno, Kohji	Macromolecular Rapid Communications	2000	21	4	151-165	10.1002/(sici)1521-3927(200003)21:4<151::aid-marc151>3.0.co;2-3	English
Functionalized polymers by atom transfer radical polymerization	Gaynor, Scott G.; Matyjaszewski, Krzysztof	ACS Symposium Series	2000	768		347-360	10.1021/bk-2000-0768.ch024	English
Living-radical polymerization - a new way to do chemistry: This article presents an overview of why scientists at xerox became interested in developing a living-radical polymerization process and how they managed to be successful	Georges, Michael K.	Canadian Chemical News	2000	52	6	24-25		English
Living anionic polymerization	Hong, Kunlun; Uhrig, David; Mays, Jimmy W.	Current Opinion in Solid State & Materials Science	2000	4	6	531-538	10.1016/s1359-0286(00)00011-5	English

Electron paramagnetic resonance study of conventional and controlled radical polymerizations	Kajiwara, Atsushi; Matyjaszewski, Krzysztof; Kamachi, Mikiharu	ACS Symposium Series	2000	768		68-81	10.1021/bk-2000-0768.ch005	English
The copper catalyst in atom transfer radical polymerizations: structural observations	Kickelbick, Guido; Reinohl, Ulrich; Ertel, Teja S.; Bertagnolli, Helmut; Matyjaszewski, Krzysztof	ACS Symposium Series	2000	768		211-222	10.1021/bk-2000-0768.ch015	English
'Living'-chain radical polymerization	Korolev, Gennadii V.; Marchenko, A. P.	Russian Chemical Reviews	2000	69	5	409-434	10.1070/rc2000v069n05abeh000567	English
Comparison and classification of controlled/living radical polymerizations	Matyjaszewski, Krzysztof	ACS Symposium Series	2000	768		2-26	10.1021/bk-2000-0768.ch001	English
Controlled/Living Radical Polymerization. Progress in ATRP, NMP, and RAFT. (Proceedings of a Symposium on Controlled Radical Polymerization held on 22-24 August 1999, in New Orleans.)	Matyjaszewski, Krzysztof; Editor	ACS Symposium Series	2000	768		484 pages		English
The preparation of well-defined water soluble-swellable (co)polymers by atom transfer radical polymerization	Matyjaszewski, Krzysztof; Gaynor, Scott G.; Qiu, Jian; Beers, Kathryn; Coca, Simion; Davis, Kelly; Muhlebach, Andreas; Xia, Jianhui; Zhang, Xuan	ACS Symposium Series	2000	765		52-71	10.1021/bk-2000-0765.ch004	English
Organic-inorganic hybrid polymers from atom transfer radical polymerization and poly(dimethylsiloxane)	Matyjaszewski, Krzysztof; Miller, Peter J.; Kickelbick, Guido; Nakagawa, Yoshiki; Diamanti, Steven; Pacis, Cristina	ACS Symposium Series	2000	729		270-283	10.1021/bk-2000-0729.ch017	English
Controlled/"living" radical polymerization applied to water-borne systems	Matyjaszewski, Krzysztof; Qiu, Jian; Shipp, Devon A.; Gaynor, Scott G.	Macromolecular Symposia	2000	155		15-29	10.1002/1521-3900(200004)155:1<15::aid-masy15>3.0.co;2-h	English
Novel segmented copolymers by combination of controlled ionic and radical polymerizations	Matyjaszewski, Krzysztof; Teodorescu, Mircea; Acar, Metin H.; Beers, Kathryn L.; Coca, Simion; Gaynor, Scott G.; Miller, Peter J.; Paik, Hyun-Jong	Macromolecular Symposia	2000	157		183-192	10.1002/1521-3900(200007)157:1<183::aid-masy183>3.0.co;2-q	English
Iniferter concept and living radical polymerization	Otsu, Takayuki	Journal of Polymer Science, Part A: Polymer Chemistry	2000	38	12	2121-2136	10.1002/(sici)1099-0518(20000615)38:12<2121::aid-pola10>3.0.co;2-x	English
Controlled synthesis of functionalized polymers by transition-metal-mediated living radical polymerization	Sawamoto, Mitsuo; Kamigaito, Masami	Macromolecular Symposia	2000	161		11-18	10.1002/1521-3900(200010)161:1<11::aid-masy11>3.0.co;2-n	English
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Atom transfer radical polymerization mediated by ruthenium(II)-arene complexes	Simal, Francois; Jan, Dominique; Demonceau, Albert; Noels, Alfred F.	ACS Symposium Series	2000	768		223-233	10.1021/bk-2000-0768.ch016	English
The effect of ligands on copper-mediated atom transfer radical polymerization	Xia, Jianhui; Zhang, Xuan; Matyjaszewski, Krzysztof	ACS Symposium Series	2000	760		207-223	10.1021/bk-2000-0760.ch013	English
Living radical polymerization by transition metal complexes-recent development in metallic catalysts and precise polymerization	Sawamoto, Mitsuo; Kamigaito, Masami	京都大学日本化学繊維研究所講演集	2000	57		9-16		日本語
Synthesis of block copolymers by atom transfer polymerization	Fu, Zhi-fang; Yang, Wan-tai	Beijing Huagong Daxue Xuebao	2000	27	3	91-95		中国語
Atom transfer radical polymerization and its recent development	Yuan, Jinying; Lou, Xudong; Pan, Caiyuan	Huaxue Tongbao	2000		3	10-16		中国語
"Living" radical polymerization	Jo, Seong Mu; Lee, Wha Seop; Park, Kun You	Kobunja Kwahak Kwa Kisul	2000	11	2	246-256		韓国語
Radical polymerization with reversible deactivation of active species	Kubisa, Przemyslaw	Polimery	2000	45	11/12	741-750	10.14314/polimery.2000.741	ポーランド語
Recent developments in living radical polymerization techniques	Bello, A.; Delgado, J. A.	Revista de Plasticos Modernos	2000	79	523	55-63		スペイン語
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An overview of the nitroxide-mediated living-radical polymerization process	Georges, Michael K.	Polymeric Materials Science and Engineering	1999	80		283-284		English
Transition metal catalysis in controlled radical polymerization: atom transfer radical polymerization	Matyjaszewski, Krzysztof	Chemistry - A European Journal	1999	5	11	3095-3102	10.1002/(sici)1521-3765(19991105)5:11<3095::aid-chem3095>3.0.co;2-#	English

New (co)polymers by atom transfer radical polymerization	Matyjaszewski, Krzysztof	Macromolecular Symposia	1999	143		257-268	10.1002/masy.19991430120	English
Advanced polymeric materials by atom transfer radical polymerization (ATRP)	Matyjaszewski, Krzysztof; Gaynor, Scott G.	Polymeric Materials Science and Engineering	1999	80		77-78		English
New trends in polymer reaction engineering	Morbideilli, Massimo; Storti, Giuseppe; Maschio, Giuseppe	Chimica e l'Industria	1999	81	9	1193-1201		English
Tailored polymers by free radical processes	Rizzardo, Ezio; Chiefari, John; Chong, Bill Y. K.; Ercole, Frances; Krstina, Julia; Jeffery, Justine; Le, Tam P. T.; Mayadunne, Roshan T. A.; Meijs, Gordon F.; Moad, Catherine L.; Moad, Graeme; Thang, San H.	Macromolecular Symposia	1999	143		291-307	10.1002/masy.19991430122	English
Living radical polymerization	Sawamoto, Mitsuo; Kamigaito, Masami	Materials Science and Technology	1999	20		163-194		English
Transition-metal-catalyzed living-radical polymerization	Sawamoto, Mitsuo; Kamigaito, Masami	CHEMTECH	1999	29	6	30-38		English
Atom transfer radical addition (ATRA) versus atom transfer radical polymerisation (ATRP) catalysed by ruthenium complexes	Simal, Francois; Demonceau, Albert; Noels, Alfred F.	Recent Research Developments in Organic Chemistry	1999	3	Pt. 2	455-464		English
Grafting of polymers with controlled molecular weight onto carbon black and ultrafine silica surface	Tsubokawa, Norio; Yoshikawa, Sachio	Recent Research Developments in Polymer Science	1999	2	Pt. 2	211-228		English
Macromolecular design using living radical polymerization by a stable nitroxyl radical	Yoshida, Eri	Recent Research Developments in Polymer Science	1999	3	Pt. 2	387-404		English
Chemistry of organic ferromagnetism and organic radicals	Awaga, Kunio	化学と工業	1999	52	5	590-593		日本語
Kinetic characterization of living radical polymerization	Fukuda, Takeshi	高分子	1999	48	7	498-501	10.1295/kobunshi.48.498	日本語
Mechanism of atom transfer radical polymerization (ATRP) catalyzed by copper complex	Wang, Xiaosong; Luo, Ning; Ying, Shengkang	Gaofenzi Tongbao	1999		1	9-16		中国語
Atom transfer radical polymerization and controlled radical polymerization	Zhang, Zhaobin; Ying, Shengkang	Gaofenzi Tongbao	1999		3	138-144		中国語
Status of study on living radical polymerization	Zhang, Zhaobin; Ying, Shengkang	Shanghai Huagong	1999	24	13	26-27		中国語
New trend of living radical polymerization: reversible addition-fragmentation chain-transfer radical polymerization	Zhang, Zhaobin; Ying, Shengkang	Hecheng Xiangjiao Gongye	1999	22	3	135-139		中国語
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A versatile synthesis of block and graft copolymers by bulk "living" free radical procedures	Hawker, Craig J.; Hedrick, James L.; Malmstrom, Eva; Trollsas, Mikael; Stehling, Udo M.; Waymouth, Robert M.	ACS Symposium Series	1998	713		127-139	10.1021/bk-1998-0713.ch008	English
Inner sphere and outer sphere electron transfer reactions in atom transfer radical polymerization	Matyjaszewski, Krzysztof	Macromolecular Symposia	1998	134		105-118	10.1002/masy.19981340112	English
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Radical Nature of Cu-Catalyzed Controlled Radical Polymerizations (Atom Transfer Radical Polymerization)	Matyjaszewski, Krzysztof	Macromolecules	1998	31	15	4710-4717	10.1021/ma980357b	English
Mechanistic aspects of atom transfer radical polymerization	Matyjaszewski, Krzysztof	ACS Symposium Series	1998	685		258-283	10.1021/bk-1998-0685.ch016	English
Overview: fundamentals of controlled living radical polymerization	Matyjaszewski, Krzysztof	ACS Symposium Series	1998	685		2-30	10.1021/bk-1998-0685.ch001	English
Synthesis of functional polymers by atom transfer radical polymerization	Matyjaszewski, Krzysztof; Coessens, Veerle; Nakagawa, Yoshiki; Xia, Jianhui; Qiu, Jian; Gaynor, Scott; Coca, Simion; Jasieczek, Christina	ACS Symposium Series	1998	704		16-27	10.1021/bk-1998-0704.ch002	English
Synthesis of block, graft and star polymers from inorganic macroinitiators	Matyjaszewski, Krzysztof; Miller, Peter J.; Fossum, Eric; Nakagawa, Yoshiki	Applied Organometallic Chemistry	1998	12	10/1	667-673	10.1002/(sici)1099-0739(199810/11)12:10/11<667::aid-aoc775>3.0.co;2-1	English
Controlled synthesis of polymers using the iniferter technique: developments in living radical polymerization	Otsu, Takayuki; Matsumoto, Akikazu	Advances in Polymer Science	1998	136		75-137		English
Atom-transfer radical polymerization and the synthesis of polymeric materials	Patten, Timothy E.; Matyjaszewski, Krzysztof	Advanced Materials	1998	10	12	901-915	10.1002/(sici)1521-4095(199808)10:12<901::aid-adma901>3.0.co;2-b	English

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Living free-radical block copolymerization using thio-iniferters	Sebenik, Anton	Progress in Polymer Science	1998	23	5	875-917	10.1016/s0079-6700(98)00001-	English
Control of radical polymerizations by metalloradicals	Wayland, B. B.; Mukerjee, S.; Poszmik, G.; Woska, D. C.; Basicke, L.; Gridnev, A. A.; Fryd, M.; Ittel, S. D.	ACS Symposium Series	1998	685		305-315	10.1021/bk-1998-0685.ch019	English
Living radical polymerization	Yagci, Yusuf; Mishra, Munmaya K.	Plastics Engineering	1998	48		233-272		English
Functionalization of polymers	Yagci, Yusuf; Mishra, Munmaya K.	Plastics Engineering	1998	48		215-231		English
New polymer synthesis using living radical polymer method	Ohno, Koji; Fukuda, Takeshi	高分子加工	1998	47	9	419-425		日本語
Recent development of living radical polymerization	Sawamoto, Mitsuo; Kamigaito, Masami	京都大学日本化学繊維研究所講演集	1998	55		35-41		日本語
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Polymer design utilizing living radical polymerization by stable radicals	Yoshida, Eri	高分子加工	1998	47	8	354-360		日本語
New technology of the 21st century for synthetic materials - Advances and prospect of "living" radical polymerization	Wang, Xiaosong; Ying, Shengkang	Hecheng Xiangjiao Gongye	1998	21	3	129-134		中国語
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"Living" Free Radical Polymerization: A Unique Technique for the Preparation of Controlled Macromolecular Architectures	Hawker, Craig J.	Accounts of Chemical Research	1997	30	9	373-382	10.1021/ar960248m	English
Mechanistic and synthetic aspects of atom transfer radical polymerization	Matyjaszewski, Krzysztof	Journal of Macromolecular Science, Pure and Applied	1997	A34	10	1785-1801	10.1080/10601329708010308	English
Metal complex-mediated living radical polymerization: features, scope, and precision polymer synthesis	Sawamoto, Mitsuo; Kamigaito, Masami	Journal of Macromolecular Science, Pure and Applied	1997	A34	10	1803-1814	10.1080/10601329708010309	English
Functional polymers by transition metal-mediated living radical polymerization	Sawamoto, Mitsuo; Kamigaito, Masami	Polymeric Materials Science and Engineering	1997	76		154-155		English
Controlled free radical polymerization	Sivaram, S.	Journal of Scientific & Industrial Research	1997	56	1	1-16		English
Structural control by living radical polymerization	Solomon, David Henry; Looney, Mark Graham	Plastics Engineering	1997	40		15-31		English
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New synthesis of polymeric materials by living radical polymerization	Fukuda, Takeshi; Ohno, Koji; Goto, Atsushi; Tsujii, Yukinobu; Miyamoto, Takeaki	京都大学日本化学繊維研究所講演集	1997	54		1-10		日本語
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Development of living radical polymerization by transition metal complexes	Sawamoto, Mitsuo; Kamigaito, Masami	京都大学日本化学繊維研究所講演集	1997	54		23-32		日本語
New development of living radical polymerization	Shoichi, Matsumoto	高分子加工	1997	46	8	338-346		日本語
Living radical polymerization	Yoshida, Eri	高分子加工	1997	46	3	111-115		日本語
Advances in living free-radical polymerization	He, Junpo; Chen, Jingmin; Cao, Jizhuang; Li, Chengming; Zhang, Hongdong; Yang, Yuliang	Fudan Xuebao, Ziran Kexueban	1997	36	4	394-402		中国語
Recent development in free-radical block copolymerization	Si, Kun; Dong, Lishuang; Qiu, Kunyuan	Gaofenzi Tongbao	1997		2	82-89		中国語
Living radical polymerization and its new development	Sun, Yufeng; Yang, Wantai; Zhou, Hengjin	Beijing Huagong Daxue Xuebao, Ziran Kexueban	1997	24	2	19-26		中国語
Living free-radical polymerization for polystyrene	Ahn, K. D.; Do, C. H.	Kobunja Kwahak Kwa Kisul	1997	8	1	4-11		韓国語
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Controlled radical polymerization	Matyjaszewski, Krzysztof	Current Opinion in Solid State & Materials Science	1996	1	6	769-776	10.1016/s1359-0286(96)80101-x	English

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Living radical polymerizations based on transition metal complexes	Sawamoto, Mitsuo; Kamigaito, Masami	Trends in Polymer Science	1996	4	11	371-377		English
Radical polymerization	Yamada, Bunichiro	ベトロテック	1996	19	10	816-817		日本語
Living free-radical polymerization	Yamada, Bunichiro	高分子	1996	45	9	676-681	10.1295/kobunshi.45.676	日本語
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Transition metal catalyzed atom transfer radical polymerization (ATRP): Principle and mechanism	Wang, Jin-Shan; Matyjaszewski, Krzysztof	Polymeric Materials Science and Engineering	1995	73		414-15		English
Atom transfer radical polymerization (ATRP): A new approach towards well-defined (co)polymers	Wang, Jin-Shan; Greszta, Dorota; Matyjaszewski, Krzysztof	Polymeric Materials Science and Engineering	1995	73		416-17		English
Radical polymerization given new life	van Zundert, Marga	Chemisch Magazine	1995		12	538-9		オランダ語
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Living radical polymerization	Otsu, Takayuki; Matsumoto, Akikazu; Yoshioka, Masahiro	季刊化学総説	1993	18		3-18		日本語
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