

Krzysztof Matyjaszewski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,322 papers	121,125 citations	164 h-index	298 g-index
1,376 ext. papers	129,483 ext. citations	7 avg, IF	8.99 L-index

#	Paper	IF	Citations
1322	Injectable bottlebrush hydrogels with tissue-mimetic mechanical properties.. <i>Science Advances</i> , 2022 , 8, eabm2469	14.3	6
1321	Maltotriose-based star polymers as self-healing materials. <i>European Polymer Journal</i> , 2022 , 164, 110972	5.2	0
1320	Star Polymers with Designed Reactive Oxygen Species Scavenging and Agent Delivery Functionality Promote Plant Stress Tolerance.. <i>ACS Nano</i> , 2022 , 16, 4467-4478	16.7	3
1319	Red-Light-Induced, Copper-Catalyzed Atom Transfer Radical Polymerization.. <i>ACS Macro Letters</i> , 2022 , 11, 376-381	6.6	7
1318	Toward Green Atom Transfer Radical Polymerization: Current Status and Future Challenges.. <i>Advanced Science</i> , 2022 , e2106076	13.6	8
1317	Polymer-Stabilized Liquid Metal Nanoparticles as a Scalable Current Collector Engineering Approach Enabling Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3615-3625	6.1	0
1316	Copper(II) Chloride/Tris(2-pyridylmethyl)amine-Catalyzed Depolymerization of Poly(n-butyl methacrylate). <i>Macromolecules</i> , 2022 , 55, 78-87	5.5	9
1315	The scale-up of electrochemically mediated atom transfer radical polymerization without deoxygenation. <i>Chemical Engineering Journal</i> , 2022 , 445, 136690	14.7	2
1314	Nanocrystal co-existed highly dense atomically disperse Pt@3D-hierarchical porous carbon electrocatalysts for tri-iodide and oxygen reduction reactions. <i>Chemical Engineering Journal</i> , 2022 , 446, 137249	14.7	1
1313	Hairy nanoparticles by atom transfer radical polymerization in miniemulsion. <i>Reactive and Functional Polymers</i> , 2021 , 170, 105104	4.6	1
1312	Biocompatible photoinduced CuAAC using sodium pyruvate. <i>Chemical Communications</i> , 2021 , 57, 12844-12847	4.847	1
1311	Tuning dispersity of linear polymers and polymeric brushes grown from nanoparticles by atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2021 , 12, 6071-6082	4.9	7
1310	Improved Self-Assembly of P3HT with Pyrene-Functionalized Methacrylates. <i>ACS Omega</i> , 2021 , 6, 27325-27334	3.7334	1
1309	Regio- and sequence-controlled conjugated topological oligomers and polymers via boronate-tag assisted solution-phase strategy. <i>Nature Communications</i> , 2021 , 12, 5853	17.4	5
1308	ATRP of MIDA Boronate-Containing Monomers as a Tool for Synthesizing Linear Phenolic and Functionalized Polymers.. <i>ACS Macro Letters</i> , 2021 , 10, 1327-1332	6.6	4
1307	Redox-Initiated RAFT Polymerization and (Electro)chemical Activation of RAFT Agents 2021 , 647-677		2
1306	Engineering exosome polymer hybrids by atom transfer radical polymerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	20

1305	Fabrication of Advanced Hierarchical Porous Polymer Nanosheets and Their Application in LithiumSulfur Batteries. <i>Macromolecules</i> , 2021 , 54, 2992-2999	5.5	5
1304	Making ATRP More Practical: Oxygen Tolerance. <i>Accounts of Chemical Research</i> , 2021 , 54, 1779-1790	24.3	30
1303	Molecular Dynamics-Guided Design of a Functional Protein-ATRP Conjugate That Eliminates Protein-Protein Interactions. <i>Bioconjugate Chemistry</i> , 2021 , 32, 821-832	6.3	4
1302	Recent developments in natural and synthetic polymeric drug delivery systems used for the treatment of osteoarthritis. <i>Acta Biomaterialia</i> , 2021 , 123, 31-50	10.8	20
1301	Synthesis and Applications of ZnO/Polymer Nanohybrids 2021 , 3, 599-621		16
1300	Effective SERS materials by loading Ag nanoparticles into poly(acrylic acid-stat-acrylamide)-block-polystyrene nano-objects prepared by PISA. <i>Polymer</i> , 2021 , 224, 123747	3.9	4
1299	Conjugated Cross-linked Phenothiazines as Green or Red Light Heterogeneous Photocatalysts for Copper-Catalyzed Atom Transfer Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9630-9638	16.4	18
1298	Comparative performance of ex situ artificial solid electrolyte interphases for Li metal batteries with liquid electrolytes. <i>IScience</i> , 2021 , 24, 102578	6.1	5
1297	Depolymerization of P(PDMS11MA) Bottlebrushes via Atom Transfer Radical Polymerization with Activator Regeneration. <i>Macromolecules</i> , 2021 , 54, 5526-5538	5.5	12
1296	Processable Sub-5 Nanometer Organosilica Hybrid Particles for Dye Stabilization. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 3631-3635	4.3	0
1295	Grafting Polymer Brushes by ATRP from Functionalized Poly(ether ether ketone) Microparticles.. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 3948-3954	3.2	1
1294	Star Polymer Size, Charge Content, and Hydrophobicity Affect their Leaf Uptake and Translocation in Plants. <i>Environmental Science & Technology</i> , 2021 , 55, 10758-10768	10.3	9
1293	Control of Phase Morphology of Binary Polymer Grafted Nanoparticle Blend Films Direct Immersion Annealing. <i>ACS Nano</i> , 2021 ,	16.7	1
1292	Amphiphilic polymer co-networks: 32 years old and growing stronger ã perspective. <i>Polymer International</i> , 2021 , 70, 10-13	3.3	7
1291	Interfacial dilatational rheology as a bridge to connect amphiphilic heterografted bottlebrush copolymer architecture to emulsifying efficiency. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 135-147	9.3	4
1290	Star polymerTiO2 nanohybrids to effectively modify the surface of PMMA dielectric layers for solution processable OFETs. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1269-1278	7.1	7
1289	RAFT polymerization within high internal phase emulsions: Porous structures, mechanical behaviors, and uptakes. <i>Polymer</i> , 2021 , 213, 123327	3.9	8
1288	Transparent Hybrid Opals with Unexpected Strong Resonance-Enhanced Photothermal Energy Conversion. <i>Advanced Materials</i> , 2021 , 33, e2004732	24	3

1287	Hybrid Opals: Transparent Hybrid Opals with Unexpected Strong Resonance-Enhanced Photothermal Energy Conversion (Adv. Mater. 2/2021). <i>Advanced Materials</i> , 2021 , 33, 2170013	24	1
1286	A comprehensive analysis in one run - in-depth conformation studies of protein-polymer chimeras by asymmetrical flow field-flow fractionation. <i>Chemical Science</i> , 2021 , 12, 13848-13856	9.4	2
1285	Amphiphilic Thiol Polymer Nanogel Removes Environmentally Relevant Mercury Species from Both Produced Water and Hydrocarbons. <i>Environmental Science & Technology</i> , 2021 , 55, 1231-1241	10.3	3
1284	Cu-Catalyzed Atom Transfer Radical Polymerization in the Presence of Liquid Metal Micro/Nanodroplets. <i>Macromolecules</i> , 2021 , 54, 1631-1638	5.5	9
1283	Highly efficient and tunable miktoarm stars for HIPE stabilization and polyHIPE synthesis. <i>Polymer</i> , 2021 , 217, 123444	3.9	5
1282	Internal Microstructure Dictates Interactions of Polymer-grafted Nanoparticles in Solution. <i>Macromolecules</i> , 2021 , 54, 7234-7243	5.5	0
1281	Assemblies of Polyacrylonitrile-Derived Photoactive Polymers as Blue and Green Light Photo-Cocatalysts for Cu-Catalyzed ATRP in Water and Organic Solvents. <i>Frontiers in Chemistry</i> , 2021 , 9, 734076	5	3
1280	Phosphate Polymer Nanogel for Selective and Efficient Rare Earth Element Recovery. <i>Environmental Science & Technology</i> , 2021 , 55, 12549-12560	10.3	4
1279	Are RAFT and ATRP Universally Interchangeable Polymerization Methods in Network Formation?. <i>Macromolecules</i> , 2021 , 54, 8331-8340	5.5	8
1278	Conformational Variations for Surface-Initiated Reversible Deactivation Radical Polymerization: From Flat to Curved Nanoparticle Surfaces. <i>Macromolecules</i> , 2021 , 54, 8270-8288	5.5	5
1277	Fe-Doped Copolymer-Templated Nitrogen-Rich Carbon as a PGM-Free Fuel Cell Catalyst. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9653-9663	6.1	1
1276	Functional polymers for lithium metal batteries. <i>Progress in Polymer Science</i> , 2021 , 122, 101453	29.6	8
1275	Molecular bottlebrush with pH-responsive cleavable bonds as a unimolecular vehicle for anticancer drug delivery. <i>Materials Science and Engineering C</i> , 2021 , 130, 112439	8.3	4
1274	Effect of Added Salt on Disordered Poly(ethylene oxide)-Block-Poly(methyl methacrylate) Copolymer Electrolytes. <i>Macromolecules</i> , 2021 , 54, 1414-1424	5.5	4
1273	Mechanism and application of surface-initiated ATRP in the presence of a ZnO plate. <i>Polymer Chemistry</i> , 2020 , 11, 7009-7014	4.9	8
1272	Understanding the origin of softness in structurally tailored and engineered macromolecular (STEM) gels: A DPD study. <i>Polymer</i> , 2020 , 208, 122909	3.9	0
1271	Tunable Assembly of Block Copolymer Tethered Particle Brushes by Surface-Initiated Atom Transfer Radical Polymerization. <i>ACS Macro Letters</i> , 2020 , 9, 806-812	6.6	9
1270	p-Substituted Tris(2-pyridylmethyl)amines as Ligands for Highly Active ATRP Catalysts: Facile Synthesis and Characterization. <i>Angewandte Chemie</i> , 2020 , 132, 15020-15030	3.6	2

1269	Atom Transfer Radical Polymerization Driven by Near-Infrared Light with Recyclable Upconversion Nanoparticles. <i>Macromolecules</i> , 2020 , 53, 4678-4684	5.5	36
1268	p-Substituted Tris(2-pyridylmethyl)amines as Ligands for Highly Active ATRP Catalysts: Facile Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14910-14920	16.4	16
1267	Investigating Temporal Control in Photoinduced Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2020 , 53, 5280-5288	5.5	21
1266	Glycopolymer Brushes by Reversible Deactivation Radical Polymerization: Preparation, Applications, and Future Challenges. <i>Polymers</i> , 2020 , 12,	4.5	5
1265	Catalytic Halogen Exchange in Miniemulsion ARGET ATRP: A Pathway to Well-Controlled Block Copolymers. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000264	4.8	6
1264	STEM Gels by Controlled Radical Polymerization. <i>Trends in Chemistry</i> , 2020 , 2, 341-353	14.8	18
1263	Complex polymer architectures through free-radical polymerization of multivinyl monomers. <i>Nature Reviews Chemistry</i> , 2020 , 4, 194-212	34.6	43
1262	Self-Assembly Strategy for Double Network Elastomer Nanocomposites with Ultralow Energy Consumption and Ultrahigh Wear Resistance. <i>Advanced Functional Materials</i> , 2020 , 30, 2003429	15.6	8
1261	Grafting polymer from oxygen-vacancy-rich nanoparticles to enable protective layers for stable lithium metal anode. <i>Nano Energy</i> , 2020 , 76, 105046	17.1	18
1260	Temperature- and pH-Responsive Star Polymers as Nanocarriers with Potential for Agrochemical Delivery. <i>ACS Nano</i> , 2020 , 14, 10954-10965	16.7	38
1259	Surface Engineering of Liquid Metal Nanodroplets by Attachable Diblock Copolymers. <i>ACS Nano</i> , 2020 , 14, 9884-9893	16.7	22
1258	Copolymer-Derived N/B Co-Doped Nanocarbons with Controlled Porosity and Highly Active Surface. <i>Journal of Polymer Science</i> , 2020 , 58, 225-232	2.4	4
1257	Synthesis of high molecular weight poly(n-butyl acrylate) macromolecules via seATRP: From polymer stars to molecular bottlebrushes. <i>European Polymer Journal</i> , 2020 , 126, 109566	5.2	13
1256	Synthesis of Riboflavin-Based Macromolecules through Low ppm ATRP in Aqueous Media. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900496	2.6	13
1255	Oxygen Tolerant and Cytocompatible Iron(0)-Mediated ATRP Enables the Controlled Growth of Polymer Brushes from Mammalian Cell Cultures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3158-3164	16.4	34
1254	Molecular Parameters Governing the Elastic Properties of Brush Particle Films. <i>Macromolecules</i> , 2020 , 53, 1502-1513	5.5	15
1253	Liquid metal nanocomposites. <i>Nanoscale Advances</i> , 2020 , 2, 2668-2677	5.1	40
1252	Poor Solvents Improve Yield of Grafting-Through Radical Polymerization of OEO19MA. <i>ACS Macro Letters</i> , 2020 , 9, 674-679	6.6	4

1251	Atom Transfer Radical Polymerization of Acrylic and Methacrylic Acids: Preparation of Acidic Polymers with Various Architectures. <i>ACS Macro Letters</i> , 2020 , 9, 693-699	6.6	14
1250	Surface-Initiated Photoinduced ATRP: Mechanism, Oxygen Tolerance, and Temporal Control during the Synthesis of Polymer Brushes. <i>Macromolecules</i> , 2020 , 53, 2801-2810	5.5	26
1249	Why Do We Need More Active ATRP Catalysts?. <i>Israel Journal of Chemistry</i> , 2020 , 60, 108-123	3.4	27
1248	Preparation of Nitrogen-Doped Mesoporous Carbon for the Efficient Removal of Bilirubin in Hemoperfusion.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1036-1043	4.1	10
1247	Iodine-mediated photoATRP in aqueous media with oxygen tolerance. <i>Polymer Chemistry</i> , 2020 , 11, 843-848	4.9	14
1246	Understanding the Relationship between Catalytic Activity and Termination in photoATRP: Synthesis of Linear and Bottlebrush Polyacrylates. <i>Macromolecules</i> , 2020 , 53, 59-67	5.5	20
1245	Brush-modified materials: Control of molecular architecture, assembly behavior, properties and applications. <i>Progress in Polymer Science</i> , 2020 , 100, 101180	29.6	71
1244	Emerging Functional Porous Polymeric and Carbonaceous Materials for Environmental Treatment and Energy Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 1907006	15.6	91
1243	Tuning Butyrylcholinesterase Inactivation and Reactivation by Polymer-Based Protein Engineering. <i>Advanced Science</i> , 2020 , 7, 1901904	13.6	7
1242	Swelling of multi-responsive spherical polyelectrolyte brushes across a wide range of grafting densities. <i>Colloid and Polymer Science</i> , 2020 , 298, 35-49	2.4	7
1241	Polymer Chemistry for Improving Lithium Metal Anodes. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900379	2.6	7
1240	Bioinspired polymers for lubrication and wear resistance. <i>Progress in Polymer Science</i> , 2020 , 110, 101298	29.6	17
1239	Enhancing the Performance of Rubber with Nano ZnO as Activators. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48007-48015	9.5	9
1238	Reversible-deactivation radical polymerization (Controlled/living radical polymerization): From discovery to materials design and applications. <i>Progress in Polymer Science</i> , 2020 , 111, 101311	29.6	223
1237	Fully oxygen-tolerant atom transfer radical polymerization triggered by sodium pyruvate. <i>Chemical Science</i> , 2020 , 11, 8809-8816	9.4	27
1236	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
1235	Catalytic Detoxification of Organophosphorus Nerve Agents by Butyrylcholinesterase-Polymer-Oxime Bioscavengers. <i>Biomacromolecules</i> , 2020 , 21, 3867-3877	6.9	5
1234	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , 2020 , 120, 9363-9419	68.1	196

1233	Superlubricity of Zwitterionic Bottlebrush Polymers in the Presence of Multivalent Ions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14843-14847	16.4	17
1232	Polymer brushes in pores by ATRP: Monte Carlo simulations. <i>Polymer</i> , 2020 , 211, 123124	3.9	8
1231	Polyene-Free Photoluminescent Polymers via Hydrothermal Hydrolysis of Polyacrylonitrile in Neutral Water. <i>ACS Macro Letters</i> , 2020 , 9, 1403-1408	6.6	4
1230	Understanding the Synthesis of LinearBottlebrushLinear Block Copolymers: Toward Elastomers with Well-Defined Mechanical Properties. <i>Macromolecules</i> , 2020 , 53, 8324-8332	5.5	11
1229	A Thermodynamic Roadmap for the Grafting-through Polymerization of PDMS11MA. <i>ACS Macro Letters</i> , 2020 , 9, 1303-1309	6.6	9
1228	Under pressure: electrochemically-mediated atom transfer radical polymerization of vinyl chloride. <i>Polymer Chemistry</i> , 2020 , 11, 6745-6762	4.9	7
1227	Nanosized Organo-Silica Particles with Built-In Surface-Initiated Atom Transfer Radical Polymerization Capability as a Platform for Brush Particle Synthesis. <i>ACS Macro Letters</i> , 2020 , 9, 1218-1223	6.6	4
1226	Double Network Elastomers: Self-Assembly Strategy for Double Network Elastomer Nanocomposites with Ultralow Energy Consumption and Ultrahigh Wear Resistance (Adv. Funct. Mater. 34/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070227	15.6	
1225	Synthesis of Metallopolymers via Atom Transfer Radical Polymerization from a [2Fe-2S] Metalloinitiator: Molecular Weight Effects on Electrocatalytic Hydrogen Production. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900424	4.8	4
1224	Synthesis of Ultra-high Molecular Weight SiO ₂ -g-PMMA Particle Brushes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 174-181	3.2	4
1223	An isocyanide ligand for the rapid quenching and efficient removal of copper residues after Cu/TEMPO-catalyzed aerobic alcohol oxidation and atom transfer radical polymerization. <i>Chemical Science</i> , 2020 , 11, 4251-4262	9.4	13
1222	Iron Catalysts in Atom Transfer Radical Polymerization. <i>Molecules</i> , 2020 , 25,	4.8	17
1221	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , 2019 , 35, 15535-15542	4	19
1220	Structural Engineering of Graphitic Carbon Nitrides for Enhanced Metal-Free PET-RAFT Polymerizations in Heterogeneous and Homogeneous Systems. <i>ACS Omega</i> , 2019 , 4, 16247-16255	3.9	20
1219	Redox-switchable atom transfer radical polymerization. <i>Chemical Communications</i> , 2019 , 55, 612-615	5.8	17
1218	Enzymatically Degassed Surface-Initiated Atom Transfer Radical Polymerization with Real-Time Monitoring. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3100-3109	16.4	48
1217	Atom Transfer Radical Polymerization Enabled by Sonochemically Labile Cu-carbonate Species. <i>ACS Macro Letters</i> , 2019 , 8, 161-165	6.6	38
1216	Toward Electrochemically Mediated Reversible AdditionFragmentation Chain-Transfer (eRAFT) Polymerization: Can Propagating Radicals Be Efficiently Electrogenerated from RAFT Agents?. <i>Macromolecules</i> , 2019 , 52, 1479-1488	5.5	39

1215	ATRP of N-Hydroxyethyl Acrylamide in the Presence of Lewis Acids: Control of Tacticity, Molecular Weight, and Architecture. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800877	4.8	12
1214	Impact of Organometallic Intermediates on Copper-Catalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2019 , 52, 4079-4090	5.5	27
1213	Translating Surface-Initiated Atom Transfer Radical Polymerization into Technology: The Mechanism of Cu0-Mediated SI-ATRP under Environmental Conditions. <i>ACS Macro Letters</i> , 2019 , 8, 865-878	6.6	35
1212	Control of Dispersity and Grafting Density of Particle Brushes by Variation of ATRP Catalyst Concentration. <i>ACS Macro Letters</i> , 2019 , 8, 859-864	6.6	49
1211	Localized Surface Plasmon Resonance Meets Controlled/Living Radical Polymerization: An Adaptable Strategy for Broadband Light-Regulated Macromolecular Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12096-12101	16.4	22
1210	Synthesis of High k Nanoparticles by Controlled Radical Polymerization 2019 , 181-226		0
1209	Solution processable liquid metal nanodroplets by surface-initiated atom transfer radical polymerization. <i>Nature Nanotechnology</i> , 2019 , 14, 684-690	28.7	112
1208	Intelligent Machine Learning: Tailor-Making Macromolecules. <i>Polymers</i> , 2019 , 11,	4.5	12
1207	Charge-Preserving Atom Transfer Radical Polymerization Initiator Rescues the Lost Function of Negatively Charged Protein-Polymer Conjugates. <i>Biomacromolecules</i> , 2019 , 20, 2392-2405	6.9	15
1206	A Liquid-Metal-Elastomer Nanocomposite for Stretchable Dielectric Materials. <i>Advanced Materials</i> , 2019 , 31, e1900663	24	122
1205	Polymer brush relaxation during and after polymerization Monte Carlo simulation study. <i>Polymer</i> , 2019 , 173, 190-196	3.9	13
1204	Degradable Polymer Stars Based on Tannic Acid Cores by ATRP. <i>Polymers</i> , 2019 , 11,	4.5	12
1203	Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019 , 131,	3.6	2
1202	Preparation of Well-Defined Polymers and DNA Polymer Bioconjugates via Small-Volume eATRP in the Presence of Air. <i>ACS Macro Letters</i> , 2019 , 603-609	6.6	37
1201	Reductive Termination of Cyanoisopropyl Radicals by Copper(I) Complexes and Proton Donors: Organometallic Intermediates or Coupled Proton-Electron Transfer?. <i>Inorganic Chemistry</i> , 2019 , 58, 6445-6457	5.1	22
1200	Transformation of gels via catalyst-free selective RAFT photoactivation. <i>Polymer Chemistry</i> , 2019 , 10, 2477-2483	4.9	40
1199	Fabrication of Porous Nanonetwork-Structured Carbons from Well-Defined Cylindrical Molecular Bottlebrushes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18763-18769	9.5	7
1198	Well-Defined N/S Co-Doped Nanocarbons from Sulfurized PAN-b-PBA Block Copolymers: Structure and Supercapacitor Performance. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2467-2474	5.6	18

1197	Disentangling the Role of Chain Conformation on the Mechanics of Polymer Tethered Particle Materials. <i>Nano Letters</i> , 2019 , 19, 2715-2722	11.5	34
1196	Solvent-Processed Metallic Lithium Microparticles for Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1623-1628	6.1	8
1195	Mechanistically Guided Predictive Models for Ligand and Initiator Effects in Copper-Catalyzed Atom Transfer Radical Polymerization (Cu-ATRP). <i>Journal of the American Chemical Society</i> , 2019 , 141, 7486-7497	16.4	56
1194	Polyacrylonitrile-derived nanostructured carbon materials. <i>Progress in Polymer Science</i> , 2019 , 92, 89-134	29.6	50
1193	Non-Tacky Fluorinated and Elastomeric STEM Networks. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800876	4.8	12
1192	In Situ Crosslinking of Nanoparticles in Polymerization-Induced Self-Assembly via ARGET ATRP of Glycidyl Methacrylate. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800332	4.8	24
1191	Evolution of Morphology of POEGMA-b-PBzMA Nano-Objects Formed by PISA. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800331	4.8	9
1190	Iron-Catalyzed Atom Transfer Radical Polymerization of Semifluorinated Methacrylates. <i>ACS Macro Letters</i> , 2019 , 8, 1110-1114	6.6	23
1189	Rapid On-Demand Extracellular Vesicle Augmentation with Versatile Oligonucleotide Tethers. <i>ACS Nano</i> , 2019 , 13, 10555-10565	16.7	40
1188	Localized Surface Plasmon Resonance Meets Controlled/Living Radical Polymerization: An Adaptable Strategy for Broadband Light-Regulated Macromolecular Synthesis. <i>Angewandte Chemie</i> , 2019 , 131, 12224-12229	3.6	14
1187	A facile route to well-dispersed Ru nanoparticles embedded in self-templated mesoporous carbons for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20208-20222	13	14
1186	A Semiliquid Lithium Metal Anode. <i>Joule</i> , 2019 , 3, 1637-1646	27.8	34
1185	Precision and Purity of Conjugated Polymers To be Ensured Before Processing 2019 , 1-55		
1184	Growing Polymer Brushes from a Variety of Substrates under Ambient Conditions by Cu-Mediated Surface-Initiated ATRP. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27470-27477	9.5	34
1183	Transforming protein-polymer conjugate purification by tuning protein solubility. <i>Nature Communications</i> , 2019 , 10, 4718	17.4	20
1182	Liquid Metal Supercooling for Low-Temperature Thermoelectric Wearables. <i>Advanced Functional Materials</i> , 2019 , 29, 1906098	15.6	79
1181	Degradable cellulose-based polymer brushes with controlled grafting densities. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 2426-2435	2.5	8
1180	Covalent Attachment of P15 Peptide to Ti Alloy Surface Modified with Polymer to Enhance Osseointegration of Implants. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38531-38536	9.5	8

- 1179 Pushing the Limit: Synthesis of SiO₂-g-PMMA/PS Particle Brushes via ATRP with Very Low Concentration of Functionalized SiO₂Br Nanoparticles. *Macromolecules*, **2019**, 52, 8713-8723 5.5 11
- 1178 Impact of Catalyzed Radical Termination (CRT) and Reductive Radical Termination (RRT) in Metal-Mediated Radical Polymerization Processes. *European Journal of Inorganic Chemistry*, **2019**, 2019, 4489-4499 2.3 12
- 1177 Modification of wood-based materials by atom transfer radical polymerization methods. *European Polymer Journal*, **2019**, 120, 109253 5.2 25
- 1176 Atom Transfer Radical Polymerization for Biorelated Hybrid Materials. *Biomacromolecules*, **2019**, 20, 4272-4298 6.9 33
- 1175 Axially Ligated Mesohemins as Bio-Mimicking Catalysts for Atom Transfer Radical Polymerization. *Molecules*, **2019**, 24, 4.8 2
- 1174 Synthesis of Gradient Copolymer Grafted Particle Brushes by ATRP. *Macromolecules*, **2019**, 52, 9466-9475 5.5 10
- 1173 Soft-Templated Tellurium-Doped Mesoporous Carbon as a Pt-Free Electrocatalyst for High-Performance Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 2093-2102 9.5 27
- 1172 What happens in the dark? Assessing the temporal control of photo-mediated controlled radical polymerizations. *Journal of Polymer Science Part A*, **2019**, 57, 268-273 2.5 61
- 1171 Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. *Angewandte Chemie*, **2019**, 131, 1322-1328 3.6 13
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370	Synthesis and Properties of Copolymers with Tailored Sequence Distribution by Controlled/Living Radical Polymerization. <i>ACS Symposium Series</i> , 2003 , 268-282	0.4	40

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65	Radical Polymerization		3
64	Synthesis of Block and Graft Copolymers		4

63	Morphologies in Block Copolymers493-554	2
62	Macromolecular Architectures by Living and Controlled/Living Polymerizations343-443	4
61	Living Ring-Opening Polymerization of Heterocyclic Monomers241-296	2
60	Anionic Vinyl Polymerization1-56	6
59	Carbocationic Polymerization57-102	6
58	Living Ring-Opening Metathesis Polymerization297-342	13
57	Industrial Applications555-603	2
56	Living Transition Metal-Catalyzed Alkene Polymerization: Polyolefin Synthesis and New Polymer Architectures167-239	5
55	ESR Study of Radicals in Conventional Radical Polymerization Using Radical Precursors Prepared by Atom Transfer Radical Polymerization99-131	
54	Industrial Applications and Processes333-359	7
53	Macromolecular Engineering by Controlled/Living Radical Polymerization775-844	6
52	Control of Stereochemistry of Polymers in Radical Polymerization691-773	14
51	Control of Free-Radical Polymerization by Chain Transfer Methods629-690	32
50	Nitroxide-Mediated Living Radical Polymerizations463-521	28
49	Copolymerization Kinetics263-300	3
48	Heterogeneous Systems301-331	5
47	The Kinetics of Free-Radical Polymerization187-261	21
46	General Chemistry of Radical Polymerization117-186	10

45 Small-Radical Chemistry77-115

44 General Concepts and History of Living Radical Polymerization361-406

21

43 Future Outlook and Perspectives895-900

3

42 Experimental Procedures and Techniques for Radical Polymerization845-893

1

41 Theory of Radical Reactions1-76

2

40 Fundamentals of Atom Transfer Radical Polymerization523-628

31

39 Kinetics of Living Radical Polymerization407-462

13

38 Tandem Living Insertion and Controlled Radical Polymerization for PolyolefinPolyvinyl Block Copolymers. *Angewandte Chemie*,e202112742

3.6

1

37 Distribution of Alternating Sequences in Methyl Methacrylate/n-Butyl Acrylate Copolymers Prepared by Atom Transfer Radical Polymerization. *Macromolecules*,

5.5

5

36 Fabrication of novel polymeric and carbonaceous nanoscale networks by the union of self-assembly and hypercrosslinking

1

35 Determination of Bulk and Solution Morphologies by Transmission Electron Microscopy1649-1685

2

34 Further of Interest2827-2827

33 Nanocomposites2033-2070

32 From Biomineralization Polymers to Double Hydrophilic Block and Graft Copolymers2597-2643

31 Microelectronic Materials with Hierarchical Organization2331-2367

30 Polymers in Tissue Engineering2719-2742

29 Reactive Blending1753-1782

28 Utilization of Polymers in Sensor Devices2493-2539

0

27	Polymers for Microelectronics2263-2293	4
26	Transport and Electro-Optical Properties in Polymeric Self-Assembled Systems1471-1514	
25	NMR Spectroscopy1937-1965	2
24	High-Throughput Screening in Combinatorial Polymer Research1967-1999	1
23	Polymer/Layered Filler Nanocomposites: An Overview from Science to Technology2071-2134	2
22	Semiconducting Polymers and Their Optoelectronic Applications2369-2408	6
21	Polymer Encapsulation of Metallic and Semiconductor Nanoparticles: Multifunctional Materials with Novel Optical, Electronic and Magnetic Properties2409-2449	1
20	Atomic Force Microscopy of Polymers: Imaging, Probing and Lithography1515-1574	
19	IUPAC Polymer Terminology and Macromolecular Nomenclature2743-2745	
18	Molecular Design and Self-Assembly of Functional Dendrimers1057-1102	1
17	Self-Assembly and Morphology Diagrams for Solution and Bulk Materials: Experimental Aspects1387-1430	3
16	Hybrid Organic Inorganic Objects1179-1207	1
15	Grafting and Polymer Brushes on Solid Surfaces1137-1178	7
14	Atom transfer radical polymerization of n-butyl methacrylate in an aqueous dispersed system: A miniemulsion approach. <i>Journal of Polymer Science Part A</i> ,38, 4724-4734	2.5 3
13	Nanostructured Carbons from Block Copolymers257-274	3
12	Competitive Equilibria in Atom Transfer Radical Polymerization60-70	1
11	Block Copolymers for Adhesive Applications1731-1751	2
10	Scanning Calorimetry1827-1880	6

9	Chromatography of Polymers1881-1936	4
8	Applications of Thermoplastic Elastomers Based on Styrenic Block Copolymers2001-2031	3
7	Molecular and Supramolecular Conjugated Polymers for Electronic Applications2225-2262	6
6	Polymeric Membranes for Gas Separation, Water Purification and Fuel Cell Technology2451-2491	5
5	Polymeric Drugs2541-2595	5
4	Gel: A Potential Material as Artificial Soft Tissue2689-2717	3
3	ATRP: A Versatile Tool toward Uniformly Crosslinked Hydrogels with Controlled Architecture and Multifunctionality169-	
2	Macromolecular Engineering by Atom Transfer Radical Polymerization1-51	
1	Degradable and Recyclable Polymers by Reversible Deactivation Radical Polymerization. <i>CCS Chemistry</i> ,1-36	7.2 6