

Shiping Zhu

List of Publications by Year in descending order

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393
papers

16,823
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11651

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12196
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and Porous Nanocellulose Aerogels with High Loadings of Metal-Organic Framework Particles for Separations Applications. <i>Advanced Materials</i> , 2016, 28, 7652-7657.	21.0	369
2	Lignin: a nature-inspired sun blocker for broad-spectrum sunscreens. <i>Green Chemistry</i> , 2015, 17, 320-324.	9.0	352
3	Low-Temperature, Solution-Processed, High-Mobility Polymer Semiconductors for Thin-Film Transistors. <i>Journal of the American Chemical Society</i> , 2007, 129, 4112-4113.	13.7	347
4	Adsorption of Fibrinogen and Lysozyme on Silicon Grafted with Poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 5980-5987.	3.5	342
5	Non-biofouling materials prepared by atom transfer radical polymerization grafting of 2-methacryloyloxyethyl phosphorylcholine: Separate effects of graft density and chain length on protein repulsion. <i>Biomaterials</i> , 2006, 27, 847-855.	11.4	320
6	Effect of long chain branching on rheological properties of metallocene polyethylene. <i>Polymer</i> , 1999, 40, 1737-1744.	3.8	190
7	CO ₂ -responsive diethylaminoethyl-modified lignin nanoparticles and their application as surfactants for CO ₂ /N ₂ -switchable Pickering emulsions. <i>Green Chemistry</i> , 2014, 16, 4963-4968.	9.0	173
8	Zwitterionic polyethersulfone ultrafiltration membrane with superior antifouling property. <i>Journal of Membrane Science</i> , 2008, 319, 271-278.	8.2	159
9	Radical trapping and termination in free-radical polymerization of methyl methacrylate. <i>Macromolecules</i> , 1990, 23, 1144-1150.	4.8	156
10	A facile method for synthesis of pegylated polyethersulfone and its application in fabrication of antifouling ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2007, 303, 204-212.	8.2	155
11	Sunscreen Performance of Lignin from Different Technical Resources and Their General Synergistic Effect with Synthetic Sunscreens. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4029-4035.	6.7	155
12	Atom-transfer radical grafting polymerization of 2-methacryloyloxyethyl phosphorylcholine from silicon wafer surfaces. <i>Journal of Polymer Science Part A</i> , 2004, 42, 2931-2942.	2.3	151
13	Direct Synthesis of Well-Defined Quaternized Homopolymers and Diblock Copolymers via ATRP in Protic Media. <i>Macromolecules</i> , 2003, 36, 8268-8275.	4.8	141
14	Protein resistant surfaces: Comparison of acrylate graft polymers bearing oligo-ethylene oxide and phosphorylcholine side chains. <i>Biointerphases</i> , 2006, 1, 50-60.	1.6	141
15	Method of moments: A versatile tool for deterministic modeling of polymerization kinetics. <i>European Polymer Journal</i> , 2015, 68, 139-160.	5.4	136
16	A difference of six orders of magnitude: A reply to 'the magnitude of the fragmentation rate coefficient?'. <i>Journal of Polymer Science Part A</i> , 2003, 41, 2833-2839.	2.3	131
17	Synthesis and Characterization of Comb-Branched Polyelectrolytes. 1. Preparation of Cationic Macromonomer of 2-(Dimethylamino)ethyl Methacrylate by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 1628-1635.	4.8	130
18	Controlled orientation of liquid-crystalline polythiophene semiconductors for high-performance organic thin-film transistors. <i>Applied Physics Letters</i> , 2005, 86, 142102.	3.3	130

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19	Synthesis and Thin-Film Transistor Performance of Poly(4,8-didodecylbenzo[1,2-b:4,5-b ^{''}]dithiophene). <i>Chemistry of Materials</i> , 2006, 18, 3237-3241.	6.7	130
20	Atom Transfer Radical Polymerization of Poly(ethylene glycol) Dimethacrylate. <i>Macromolecules</i> , 2001, 34, 1612-1618.	4.8	128
21	Alginate Hydrogel: A Shapeable and Versatile Platform for <i>in Situ</i> Preparation of Metal-Organic Framework-Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17395-17401.	8.0	127
22	Radical concentrations in free radical copolymerization of MMA/EGDMA. <i>Polymer</i> , 1990, 31, 154-159.	3.8	123
23	Modeling the reversible addition-fragmentation transfer polymerization process. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1553-1566.	2.3	123
24	Reversible Water Transportation Diode: Temperature-Adaptive Smart Janus Textile for Moisture/Thermal Management. <i>Advanced Functional Materials</i> , 2020, 30, 1907851.	14.9	120
25	Controlled Grafting of Well-Defined Polymers on Hydrogen-Terminated Silicon Substrates by Surface-Initiated Atom Transfer Radical Polymerization. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10198-10205.	2.6	119
26	Polystyrene- <i>block</i> -poly(<i>n</i> -butyl acrylate)- <i>block</i> -polystyrene Triblock Copolymer Thermoplastic Elastomer Synthesized via RAFT Emulsion Polymerization. <i>Macromolecules</i> , 2010, 43, 7472-7481.	4.8	119
27	Let spiropyran help polymers feel force!. <i>Progress in Polymer Science</i> , 2018, 79, 26-39.	24.7	119
28	Enabling Gate Dielectric Design for All Solution-Processed, High-Performance, Flexible Organic Thin-Film Transistors. <i>Journal of the American Chemical Society</i> , 2006, 128, 4554-4555.	13.7	117
29	Effect of Reversible Addition-Fragmentation Transfer (RAFT) Reactions on (Mini)emulsion Polymerization Kinetics and Estimate of RAFT Equilibrium Constant. <i>Macromolecules</i> , 2006, 39, 1328-1337.	4.8	115
30	Ab Initio Batch Emulsion RAFT Polymerization of Styrene Mediated by Poly(acrylic acid- <i>block</i> -styrene) Trithiocarbonate. <i>Macromolecules</i> , 2009, 42, 6414-6421.	4.8	115
31	Modification of polyethersulfone ultrafiltration membranes with phosphorylcholine copolymer can remarkably improve the antifouling and permeation properties. <i>Journal of Membrane Science</i> , 2008, 322, 171-177.	8.2	114
32	Kinetics of Long Chain Branching in Continuous Solution Polymerization of Ethylene Using Constrained Geometry Metallocene. <i>Macromolecules</i> , 1998, 31, 8677-8683.	4.8	113
33	Modeling and theoretical development in controlled radical polymerization. <i>Progress in Polymer Science</i> , 2015, 45, 71-101.	24.7	112
34	Triple-detector GPC characterization and processing behavior of long-chain-branched polyethylene prepared by solution polymerization with constrained geometry catalyst. <i>Polymer</i> , 2004, 45, 6495-6505.	3.8	110
35	Atom Transfer Radical Polymerization of Methyl Methacrylate by Silica Gel Supported Copper Bromide/Multidentate Amine. <i>Macromolecules</i> , 2000, 33, 5427-5431.	4.8	109
36	Benzodithiophene Copolymer-A Low-Temperature, Solution-Processed High-Performance Semiconductor for Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2007, 17, 3574-3579.	14.9	108

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37	Effects of diffusion-controlled reactions on atom-transfer radical polymerization. <i>AIChE Journal</i> , 2002, 48, 2597-2608.	3.6	99
38	Branching and gelation in atom transfer radical polymerization of methyl methacrylate and ethylene glycol dimethacrylate. <i>Polymer Engineering and Science</i> , 2005, 45, 720-727.	3.1	98
39	Programmed Synthesis of Copolymer with Controlled Chain Composition Distribution via Semibatch RAFT Copolymerization. <i>Macromolecules</i> , 2007, 40, 849-859.	4.8	98
40	Ionic Liquids: Versatile Media for Preparation of Vesicles from Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2015, 4, 755-758.	4.8	96
41	Packed column reactor for continuous atom transfer radical polymerization: Methyl methacrylate polymerization using silica gel supported catalyst. <i>Macromolecular Rapid Communications</i> , 2000, 21, 956-959.	3.9	95
42	Preparation of N ₂ /CO ₂ Triggered Reversibly Coagulatable and Redispersible Latexes by Emulsion Polymerization of Styrene with a Reactive Switchable Surfactant. <i>Langmuir</i> , 2012, 28, 5940-5946.	3.5	95
43	Reversibly Coagulatable and Redispersible Polystyrene Latex Prepared by Emulsion Polymerization of Styrene Containing Switchable Amidine. <i>Macromolecules</i> , 2011, 44, 6539-6545.	4.8	94
44	Preparation and SO ₂ Sorption/Desorption Behavior of an Ionic Liquid Supported on Porous Silica Particles. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 2142-2148.	3.7	93
45	Preparation of CO ₂ /N ₂ Triggered Reversibly Coagulatable and Redispersible Polyacrylate Latexes by Emulsion Polymerization Using a Polymeric Surfactant. <i>Macromolecular Rapid Communications</i> , 2012, 33, 916-921.	3.9	92
46	Modeling of molecular weight development in atom transfer radical polymerization. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 29-37.	1.4	89
47	Control of gradient copolymer composition in ATRP using semibatch feeding policy. <i>AIChE Journal</i> , 2007, 53, 174-186.	3.6	89
48	Synthesis and Rheological Properties of Long-Chain-Branched Isotactic Polypropylenes Prepared by Copolymerization of Propylene and Nonconjugated Dienes. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 2860-2870.	3.7	88
49	Atom transfer radical polymerization of 2-(dimethylamino)ethyl methacrylate in aqueous media. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3821-3827.	2.3	87
50	Highly CO ₂ /N ₂ -Switchable Zwitterionic Surfactant for Pickering Emulsions at Ambient Temperature. <i>Langmuir</i> , 2014, 30, 10248-10255.	3.5	87
51	Microscopic Studies on Liquid Crystal Poly(3,3'-dialkylquaterthiophene) Semiconductor. <i>Macromolecules</i> , 2004, 37, 8307-8312.	4.8	86
52	Polyolefin Thermoplastics for Multiple Shape and Reversible Shape Memory. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4882-4889.	8.0	86
53	Development of a Highly Sensitive, Broad-Range Hierarchically Structured Reduced Graphene Oxide/PolyHIPE Foam for Pressure Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4318-4327.	8.0	83
54	Modeling of Branching and Gelation in RAFT Copolymerization of Vinyl/Divinyl Systems. <i>Macromolecules</i> , 2009, 42, 85-94.	4.8	81

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55	Gas-Responsive Polymers. ACS Macro Letters, 2017, 6, 515-522.	4.8	81
56	Acidic and basic hydrolysis of poly(N-vinylformamide). Journal of Applied Polymer Science, 2002, 86, 3412-3419.	2.6	80
57	Assembly of a Metal-Organic Framework into 3D Hierarchical Porous Monoliths Using a Pickering High Internal Phase Emulsion Template. Chemistry - A European Journal, 2016, 22, 8751-8755.	3.3	80
58	Chain Conformation of a New Class of PEG-Based Thermoresponsive Polymer Brushes Grafted on Silicon as Determined by Neutron Reflectometry. Langmuir, 2009, 25, 10271-10278.	3.5	79
59	Surface modification with PEG and hirudin for protein resistance and thrombin neutralization in blood contact. Colloids and Surfaces B: Biointerfaces, 2010, 81, 389-396.	5.0	79
60	Newtonian Flow Behavior of Hyperbranched High-Molecular-Weight Polyethylenes Produced with a Pd ^{II} -Diimine Catalyst and Its Dependence on Chain Topology. Macromolecules, 2003, 36, 2194-2197.	4.8	78
61	Design and Control of Copolymer Composition Distribution in Living Radical Polymerization Using Semi-Batch Feeding Policies: A Model Simulation. Macromolecular Theory and Simulations, 2006, 15, 356-368.	1.4	77
62	Chain-length-dependent termination for free radical polymerization. Macromolecules, 1989, 22, 3093-3098.	4.8	75
63	Versatile Initiators for Macromonomer Syntheses of Acrylates, Methacrylates, and Styrene by Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 5399-5404.	4.8	75
64	Reaction Behavior and Network Development in RAFT Radical Polymerization of Dimethacrylates. Macromolecular Chemistry and Physics, 2008, 209, 551-556.	2.2	75
65	Effect of Ligand Spacer on Silica Gel Supported Atom Transfer Radical Polymerization of Methyl Methacrylate. Macromolecules, 2001, 34, 5812-5818.	4.8	73
66	Catalyst impregnation and ethylene polymerization with mesoporous particle supported nickel-diimine catalyst. Polymer, 2003, 44, 969-980.	3.8	73
67	Methacrylate polymer layers bearing poly(ethylene oxide) and phosphorylcholine side chains as non-fouling surfaces: In vitro interactions with plasma proteins and platelets. Acta Biomaterialia, 2011, 7, 3692-3699.	8.3	73
68	Switchable Block Copolymer Surfactants for Preparation of Reversibly Coagulatable and Redispersible Poly(methyl methacrylate) Latexes. Macromolecules, 2013, 46, 1261-1267.	4.8	73
69	Lignin Reverse Micelles for UV-Absorbing and High Mechanical Performance Thermoplastics. Industrial & Engineering Chemistry Research, 2015, 54, 12025-12030.	3.7	73
70	Modeling of free-radical polymerization with crosslinking: monoradical assumption and stationary-state hypothesis. Macromolecules, 1993, 26, 3131-3136.	4.8	72
71	Effects of Diffusion-Controlled Radical Reactions on RAFT Polymerization. Macromolecular Theory and Simulations, 2003, 12, 196-208.	1.4	72
72	Highly Porous Poly(high internal phase emulsion) Membranes with Open-Cell Structure and CO ₂ -Switchable Wettability Used for Controlled Oil/Water Separation. Langmuir, 2017, 33, 11936-11944.	3.5	72

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73	Free radical degradation of polypropylene: Random chain scission. <i>Polymer Engineering and Science</i> , 1993, 33, 445-454.	3.1	71
74	Gel formation in atom transfer radical polymerization of 2-(N,N-dimethylamino)ethyl methacrylate and ethylene glycol dimethacrylate. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3780-3788.	2.3	71
75	Surface-Initiated Atom Transfer Radical Polymerization of Oligo(ethylene glycol) Methacrylate: Effect of Solvent on Graft Density. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1383-1388.	3.9	71
76	Reversible Shape Memory Polymer from Semicrystalline Poly(ethylene-co-vinyl acetate) with Dynamic Covalent Polymer Networks. <i>Macromolecules</i> , 2018, 51, 8956-8963.	4.8	71
77	Ethylene Polymerization with Silica-Supported Nickel-Diimine Catalyst: Effect of Support and Polymerization Conditions on Catalyst Activity and Polymer Properties. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1653-1659.	2.2	69
78	Atom Transfer Radical Polymerization of Methyl Methacrylate Mediated by Copper Bromide ⁺ Tetraethyldiethylenetriamine Grafted on Soluble and Recoverable Poly(ethylene-b-ethylene) Tj ETQq0 0 OrgBT /Overlock 10 T		
79	Semibatch RAFT polymerization for producing ST/BA copolymers with controlled gradient composition profiles. <i>AIChE Journal</i> , 2008, 54, 1073-1087.	3.6	67
80	Soluble and Recoverable Support for Copper Bromide-Mediated Living Radical Polymerization. <i>Macromolecules</i> , 2001, 34, 3182-3185.	4.8	66
81	Copolymerization of Propylene with Poly(ethylene-co-propylene) Macromonomer and Branch Chain-Length Dependence of Rheological Properties. <i>Macromolecules</i> , 2002, 35, 10062-10070.	4.8	66
82	Oxygen and Carbon Dioxide Dual Responsive Nanoaggregates of Fluoro- and Amino-Containing Copolymer. <i>ACS Macro Letters</i> , 2014, 3, 743-746.	4.8	66
83	Synthesis and SO ₂ Absorption/Desorption Properties of Poly(1,1,3,3-tetramethylguanidine acrylate). <i>Macromolecules</i> , 2007, 40, 3388-3393.	4.8	65
84	UV photopolymerization behavior of dimethacrylate oligomers with camphorquinone/amine initiator system. <i>Journal of Applied Polymer Science</i> , 2001, 82, 1107-1117.	2.6	64
85	ESR Study on Diffusion-Controlled Atom Transfer Radical Polymerization of Methyl Methacrylate and Ethylene Glycol Dimethacrylate. <i>Macromolecules</i> , 2002, 35, 9926-9933.	4.8	64
86	Development of networks in atom transfer radical polymerization of dimethacrylates. <i>Polymer</i> , 2007, 48, 7058-7064.	3.8	62
87	Toward Well-Controlled ab Initio RAFT Emulsion Polymerization of Styrene Mediated by 2-(((Dodecylsulfanyl)carbonothioyl)sulfanyl)propanoic Acid. <i>Macromolecules</i> , 2011, 44, 221-229.	4.8	62
88	ESR Study of Peroxide-Induced Cross-Linking of High Density Polyethylene. <i>Macromolecules</i> , 1998, 31, 4335-4341.	4.8	61
89	Interfacial Synthesis of Free-Standing Metal-Organic Framework Membranes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1294-1300.	2.0	61
90	Thermal-initiated reversible addition-fragmentation chain transfer polymerization of methyl methacrylate in the presence of oxygen. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3343-3354.	2.3	60

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91	Kinetics and Modeling of Semi-Batch RAFT Copolymerization with Hyperbranching. <i>Macromolecules</i> , 2012, 45, 28-38.	4.8	59
92	Continuous atom transfer radical block copolymerization of methacrylates. <i>AIChE Journal</i> , 2002, 48, 2609-2619.	3.6	58
93	Control of the polymer molecular weight in atom transfer radical polymerization with branching/crosslinking. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5710-5714.	2.3	58
94	Inkjet printing narrow electrodes with $\approx 50\text{ nm}$ line width and channel length for organic thin-film transistors. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	58
95	Morphological and mechanical properties of nascent polyethylene fibers produced via ethylene extrusion polymerization with a metallocene catalyst supported on MCM-41 particles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 2433-2443.	2.1	56
96	Synthesis and Characterization of Hyperbranched Polyacrylamide Using Semibatch Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization. <i>Macromolecules</i> , 2010, 43, 4062-4069.	4.8	56
97	pH Responsivity and Micelle Formation of Gradient Copolymers of Methacrylic Acid and Methyl Methacrylate in Aqueous Solution. <i>Langmuir</i> , 2011, 27, 11306-11315.	3.5	56
98	Termination of Surface Radicals and Kinetic Modeling of ATRP Grafting from Flat Surfaces by Addition of Deactivator. <i>Macromolecules</i> , 2012, 45, 1198-1207.	4.8	56
99	Preparation of metal-organic framework films by electrophoretic deposition method. <i>Materials Letters</i> , 2015, 142, 19-22.	2.6	56
100	High internal phase emulsion with double emulsion morphology and their templated porous polymer systems. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 232-240.	9.4	56
101	Melt Rheological Properties of Branched Polyethylenes Produced with Pd- and Ni-Diimine Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 897-906.	2.2	54
102	Topology-Engineered Hyperbranched High-Molecular-Weight Polyethylenes as Lubricant Viscosity-Index Improvers of High Shear Stability. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1174-1178.	3.7	54
103	Fundamentals and development of high-efficiency supported catalyst systems for atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 553-565.	2.3	54
104	Comparison of reaction kinetics and gelation behaviors in atom transfer, reversible addition-fragmentation chain transfer and conventional free radical copolymerization of oligo(ethylene glycol) methyl ether methacrylate and oligo(ethylene glycol) dimethacrylate. <i>Polymer</i> , 2009, 50, 3488-3494.	3.8	54
105	A More Than Six Orders of Magnitude UV-Responsive Organic Field-Effect Transistor Utilizing a Benzothiophene Semiconductor and Disperse Red 1 for Enhanced Charge Separation. <i>Advanced Materials</i> , 2015, 27, 228-233.	21.0	54
106	A Facile Method of Forming Nanoscale Patterns on Poly(ethylene glycol)-Based Surfaces by Self-Assembly of Randomly Grafted Block Copolymer Brushes. <i>Langmuir</i> , 2008, 24, 8303-8308.	3.5	53
107	Progress in reactor engineering of controlled radical polymerization: a comprehensive review. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 23-59.	3.7	53
108	Emulsion atom transfer radical polymerization of 2-ethylhexyl methacrylate. <i>Polymer</i> , 2005, 46, 5484-5493.	3.8	52

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109	Kinetics and Modeling of Solution ATRP of Styrene, Butyl Acrylate, and Methyl Methacrylate. <i>Macromolecular Reaction Engineering</i> , 2011, 5, 467-478.	1.5	52
110	Surface-initiated atom transfer radical polymerization of polyhedral oligomeric silsesquioxane (POSS) methacrylate from flat silicon wafer. <i>Polymer</i> , 2006, 47, 1119-1123.	3.8	51
111	Surface-Initiated Atom Transfer Radical Polymerization. <i>Advances in Polymer Science</i> , 2015, , 29-76.	0.8	51
112	A Molecular Weight Distribution Polydispersity Equation for the ATRP System: Quantifying the Effect of Radical Termination. <i>Macromolecules</i> , 2015, 48, 6440-6449.	4.8	51
113	Modeling stable free-radical polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 2692-2704.	2.1	50
114	Structural Analysis of Ethylene/Propylene Copolymers Synthesized with a Constrained Geometry Catalyst. <i>Macromolecules</i> , 2000, 33, 1157-1162.	4.8	49
115	Ethylene polymerization with homogeneous nickel ^{II} -diimine catalysts: effects of catalyst structure and polymerization conditions on catalyst activity and polymer properties. <i>Polymer</i> , 2004, 45, 6823-6829.	3.8	49
116	Engineering Elastic ZIF-8 Sponges for Oil-Water Separation. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700560.	3.7	49
117	Synthesis of methacrylate macromonomers using silica gel supported atom transfer radical polymerization. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1387-1394.	2.2	48
118	Oxygen and Carbon Dioxide Dual Gas-Responsive and Switchable Microgels Prepared from Emulsion Copolymerization of Fluoro- and Amino-Containing Monomers. <i>Langmuir</i> , 2015, 31, 2196-2201.	3.5	47
119	A Comprehensive Review on Controlled Synthesis of Long-Chain Branched Polyolefins: Part 1, Single Catalyst Systems. <i>Macromolecular Reaction Engineering</i> , 2016, 10, 156-179.	1.5	47
120	Kinetics of polymeric network synthesis via free-radical mechanisms - polymerization and polymer modification. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 63, 135-182.	0.6	46
121	Peroxide crosslinking of isotactic and syndiotactic polypropylene. <i>Polymer</i> , 1999, 40, 2961-2968.	3.8	46
122	Novel High-Performance Liquid-Crystalline Organic Semiconductors for Thin-Film Transistors. <i>Chemistry of Materials</i> , 2009, 21, 2727-2732.	6.7	46
123	Continuous solution copolymerization of ethylene and octene-1 with constrained geometry metallocene catalyst. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2949-2957.	2.3	45
124	Long-chain branching in slurry polymerization of ethylene with zirconocene dichloride/modified methylaluminoxane. <i>Polymer</i> , 2000, 41, 3985-3991.	3.8	45
125	Synthesis of branched polypropylene with isotactic backbone and atactic side chains by binary iron and zirconium single-site catalysts. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1152-1159.	2.3	45
126	Surface-initiated atom transfer radical polymerization grafting of poly(2,2,2-trifluoroethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (r	2.3	45

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127	Grafting Acrylic Polymers from Flat Nickel and Copper Surfaces by Surface-Initiated Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2008, 24, 6889-6896.	3.5	45
128	Long-Acting and Safe Sunscreens with Ultrahigh Sun Protection Factor via Natural Lignin Encapsulation and Synergy. <i>ACS Applied Bio Materials</i> , 2018, 1, 1276-1285.	4.6	45
129	Microvoids in unsaturated polyester resins containing poly(vinyl acetate) and composites with calcium carbonate and glass fibers. <i>Polymer</i> , 2000, 41, 3861-3870.	3.8	44
130	Kinetics and modeling of free radical polymerization of N -vinylformamide. <i>Polymer</i> , 2001, 42, 3077-3086.	3.8	44
131	Supported atom transfer radical polymerization of methyl methacrylate mediated by CuBr-tetraethyldiethylenetriamine grafted onto silica gel. <i>Journal of Polymer Science Part A</i> , 2001, 39, 1051-1059.	2.3	44
132	Kinetic Behavior of Atom Transfer Radical Polymerization of Dimethacrylates. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 287-294.	2.2	44
133	Facile and Effective Purification of Polymers Produced by Atom Transfer Radical Polymerization via Simple Catalyst Precipitation and Microfiltration. <i>Macromolecules</i> , 2006, 39, 3-5.	4.8	44
134	Termination of trapped radicals at elevated temperatures during copolymerization of MMA/EGDMA. <i>Polymer</i> , 1990, 31, 1726-1734.	3.8	43
135	Flocculation of dilute titanium dioxide suspensions by graft cationic polyelectrolytes. <i>Colloid and Polymer Science</i> , 1999, 277, 108-114.	2.1	43
136	Pickering high internal phase emulsions stabilized by worm-like polymeric nanoaggregates. <i>Polymer Chemistry</i> , 2017, 8, 5474-5480.	3.9	43
137	Mechanistic modelling of fluid permeation through compressible fiber beds. <i>Chemical Engineering Science</i> , 1995, 50, 3557-3572.	3.8	42
138	Model-based design and synthesis of gradient MMA/EGDMA copolymers by computer-programmed semibatch atom transfer radical copolymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 69-79.	2.3	42
139	Protein-resistant polyurethane prepared by surface-initiated atom transfer radical graft polymerization (ATRGp) of water-soluble polymers: Effects of main chain and side chain lengths of grafts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 53-59.	5.0	42
140	All-Solid-State Self-Healing Ionic Conductors Enabled by Ion-Dipole Interactions within Fluorinated Poly(Ionic Liquid) Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41140-41148.	8.0	42
141	Dynamic mechanical and rheological properties of metallocene-catalyzed long-chain-branched ethylene/propylene copolymers. <i>Polymer</i> , 2004, 45, 5497-5504.	3.8	41
142	Preparation and SO ₂ Absorption/Desorption Properties of Crosslinked Poly(1,1,3,3-Tetramethylguanidine Acrylate) Porous Particles. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1949-1954.	3.9	41
143	Phase Behavior of Ternary Homopolymer/Gradient Copolymer Blends. <i>Macromolecules</i> , 2009, 42, 2275-2285.	4.8	41
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