

Chuanbing Tang

List of Publications by Citations

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178
papers

9,048
citations

57
h-index

88
g-index

191
ext. papers

10,157
ext. citations

8.4
avg, IF

6.52
L-index

#	Paper	IF	Citations
178	Evolution of block copolymer lithography to highly ordered square arrays. <i>Science</i> , 2008 , 322, 429-32	33.3	532
177	Progress in renewable polymers from natural terpenes, terpenoids, and rosin. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 8-37	4.8	458
176	Controlled Polymerization of Next-Generation Renewable Monomers and Beyond. <i>Macromolecules</i> , 2013 , 46, 1689-1712	5.5	389
175	Inverse miniemulsion ATRP: a new method for synthesis and functionalization of well-defined water-soluble/cross-linked polymeric particles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5578-84	16.4	286
174	Polymer-coated ferromagnetic colloids from well-defined macromolecular surfactants and assembly into nanoparticle chains. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6562-3	16.4	200
173	Long-range ordered thin films of block copolymers prepared by zone-casting and their thermal conversion into ordered nanostructured carbon. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6918-9	16.4	197
172	Metal-containing and related polymers for biomedical applications. <i>Chemical Society Reviews</i> , 2016 , 45, 5232-63	58.5	171
171	Antimicrobial metallopolymers and their bioconjugates with conventional antibiotics against multidrug-resistant bacteria. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4873-6	16.4	162
170	Controlling macromolecular structures towards effective antimicrobial polymers. <i>Polymer</i> , 2015 , 63, A1-A29	3.9	158
169	Combining renewable gum rosin and lignin: Towards hydrophobic polymer composites by controlled polymerization. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3728-3738	2.5	135
168	Robust antimicrobial compounds and polymers derived from natural resin acids. <i>Chemical Communications</i> , 2012 , 48, 916-8	5.8	131
167	Preparation of Polyacrylonitrile-block-poly(n-butyl acrylate) Copolymers Using Atom Transfer Radical Polymerization and Nitroxide Mediated Polymerization Processes. <i>Macromolecules</i> , 2003 , 36, 1465-1473	5.5	126
166	Metallopolymers with transition metals in the side-chain by living and controlled polymerization techniques. <i>Progress in Polymer Science</i> , 2014 , 39, 1742-1796	29.6	124
165	Sustainable Elastomers from Renewable Biomass. <i>Accounts of Chemical Research</i> , 2017 , 50, 1762-1773	24.3	118
164	Ultrafiltration Membranes with Structure-Optimized Graphene-Oxide Coatings for Antifouling Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400433	4.6	116
163	Cationic Metallo-Polyelectrolytes for Robust Alkaline Anion-Exchange Membranes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2388-2392	16.4	113
162	Molecularly defined caprolactone oligomers and polymers: synthesis and characterization. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1718-26	16.4	107

161	Well-Defined Renewable Polymers Derived from Gum Rosin. <i>Macromolecules</i> , 2010 , 43, 5922-5924	5.5	104
160	Synthesis and solution self-assembly of side-chain cobaltocenium-containing block copolymers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8874-5	16.4	101
159	Well-defined carbon nanoparticles prepared from water-soluble shell cross-linked micelles that contain polyacrylonitrile cores. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2783-7	16.4	97
158	A Novel Core-Shell Microcapsule for Encapsulation and 3D Culture of Embryonic Stem Cells. <i>Journal of Materials Chemistry B</i> , 2013 , 2013, 1002-1009	7.3	93
157	Degradable rosin-ester-caprolactone graft copolymers. <i>Biomacromolecules</i> , 2011 , 12, 2171-7	6.9	92
156	Sustainable polymers from biomass: Bridging chemistry with materials and processing. <i>Progress in Polymer Science</i> , 2020 , 101, 101197	29.6	90
155	Side-chain ferrocene-containing (meth)acrylate polymers: Synthesis and properties. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1409-1420	2.5	86
154	A Novel Architecture toward Third-Generation Thermoplastic Elastomers by a Grafting Strategy. <i>Macromolecules</i> , 2013 , 46, 4772-4780	5.5	85
153	Lignin Biopolymers in the Age of Controlled Polymerization. <i>Polymers</i> , 2019 , 11,	4.5	82
152	Preparation of Well-Defined Hybrid Materials by ATRP in Miniemulsion. <i>Macromolecules</i> , 2007 , 40, 7429-7432	5.5	82
151	RAFT Polymerization of Acrylonitrile and Preparation of Block Copolymers Using 2-Cyanoethyl Dithiobenzoate as the Transfer Agent. <i>Macromolecules</i> , 2003 , 36, 8587-8589	5.5	79
150	Amphipathic antibacterial agents using cationic methacrylic polymers with natural rosin as pendant group. <i>RSC Advances</i> , 2012 , 2, 10275	3.7	78
149	Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity. <i>Scientific Reports</i> , 2017 , 7, 15645	4.9	76
148	Renewable Rosin Acid-Degradable Caprolactone Block Copolymers by Atom Transfer Radical Polymerization and Ring-Opening Polymerization. <i>Macromolecules</i> , 2010 , 43, 8747-8754	5.5	76
147	Dielectric polymers with novel chemistry, compositions and architectures. <i>Progress in Polymer Science</i> , 2018 , 80, 153-162	29.6	75
146	UV-absorbent lignin-based multi-arm star thermoplastic elastomers. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 398-404	4.8	75
145	Square Packing and Structural Arrangement of ABC Triblock Copolymer Spheres in Thin Films. <i>Macromolecules</i> , 2008 , 41, 4328-4339	5.5	75
144	Synthesis and Morphology of Molecular Brushes with Polyacrylonitrile Block Copolymer Side Chains and Their Conversion into Nanostructured Carbons. <i>Macromolecules</i> , 2007 , 40, 6199-6205	5.5	73

143	Nanoporous Carbon Films from Hairy Polyacrylonitrile-Grafted Colloidal Silica Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 1516-1522	24	73
142	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. <i>Macromolecules</i> , 2005 , 38, 2674-2685	5.5	72
141	Sustainable thermoplastic elastomers derived from renewable cellulose, rosin and fatty acids. <i>Polymer Chemistry</i> , 2014 , 5, 3170	4.9	71
140	Polymers Containing Highly Polarizable Conjugated Side Chains as High-Performance All-Organic Nanodielectric Materials. <i>Advanced Functional Materials</i> , 2013 , 23, 5638-5646	15.6	70
139	Macromolecular-clustered facial amphiphilic antimicrobials. <i>Nature Communications</i> , 2018 , 9, 5231	17.4	69
138	Robust control of microdomain orientation in thin films of block copolymers by zone casting. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11802-9	16.4	68
137	Sustainable thermoplastic elastomers derived from plant oil and their click-coupling via TAD chemistry. <i>Green Chemistry</i> , 2015 , 17, 3806-3818	10	65
136	Impact of an N-terminal Polyhistidine Tag on Protein Thermal Stability. <i>ACS Omega</i> , 2018 , 3, 760-768	3.9	65
135	Integration of renewable cellulose and rosin towards sustainable copolymers by grafting from ATRP. <i>Green Chemistry</i> , 2014 , 16, 1854	10	65
134	Ultra-strong long-chain polyamide elastomers with programmable supramolecular interactions and oriented crystalline microstructures. <i>Nature Communications</i> , 2019 , 10, 1315	17.4	64
133	Robust Amidation Transformation of Plant Oils into Fatty Derivatives for Sustainable Monomers and Polymers. <i>Macromolecules</i> , 2015 , 48, 1320-1328	5.5	64
132	Preparation of cationic cobaltocenium polymers and block copolymers by living ring-opening metathesis polymerization. <i>Chemical Science</i> , 2012 , 3, 580-583	9.4	63
131	Converting an Electrical Insulator into a Dielectric Capacitor: End-Capping Polystyrene with Oligoaniline. <i>Chemistry of Materials</i> , 2013 , 25, 799-807	9.6	63
130	Antibacterial and Biofilm-Disrupting Coatings from Resin Acid-Derived Materials. <i>Biomacromolecules</i> , 2015 , 16, 3336-44	6.9	62
129	Cobaltocenium-Containing Methacrylate Homopolymers, Block Copolymers, and Heterobimetallic Polymers via RAFT Polymerization. <i>Macromolecules</i> , 2012 , 45, 6857-6863	5.5	62
128	Side-Chain Metallocene-Containing Polymers by Living and Controlled Polymerizations. <i>Israel Journal of Chemistry</i> , 2012 , 52, 230-245	3.4	60
127	Thin Film Morphology of Block Copolymer Blends with Tunable Supramolecular Interactions for Lithographic Applications. <i>Macromolecules</i> , 2010 , 43, 2880-2889	5.5	60
126	Charged metallopolymers as universal precursors for versatile cobalt materials. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13387-91	16.4	59

125	Renewable polymers from lignin via copper-free thermal click chemistry. <i>Polymer</i> , 2016 , 83, 92-100	3.9	58
124	Synthesis and drug delivery of novel amphiphilic block copolymers containing hydrophobic dehydroabiatic moiety. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2324-2332	7.3	58
123	Polar Three-Arm Star Block Copolymer Thermoplastic Elastomers Based on Polyacrylonitrile. <i>Macromolecules</i> , 2008 , 41, 2451-2458	5.5	58
122	Preparation of Side-Chain 18-e Cobaltocenium-Containing Acrylate Monomers and Polymers. <i>Macromolecules</i> , 2010 , 43, 9304-9310	5.5	57
121	Metallo-polyelectrolytes as a class of ionic macromolecules for functional materials. <i>Nature Communications</i> , 2018 , 9, 4329	17.4	56
120	Quantitative and Mechanistic Mechanochemistry in Ferrocene Dissociation. <i>ACS Macro Letters</i> , 2018 , 7, 1174-1179	6.6	56
119	Lignin and soy oil-derived polymeric biocomposites by grafting from RAFT polymerization. <i>Green Chemistry</i> , 2016 , 18, 4974-4981	10	54
118	Recent Advances in Metal-Containing Polymer Hydrogels. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700109	4.8	53
117	Multifunctional self-fluorescent polymer nanogels for label-free imaging and drug delivery. <i>Chemical Communications</i> , 2013 , 49, 297-9	5.8	52
116	Rational Synthesis of Metallo-Cations Toward Redox- and Alkaline-Stable Metallo-Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1083-1089	16.4	52
115	Biomass Approach toward Robust, Sustainable, Multiple-Shape-Memory Materials. <i>ACS Macro Letters</i> , 2016 , 5, 602-606	6.6	51
114	Polyacrylonitrile-derived nanostructured carbon materials. <i>Progress in Polymer Science</i> , 2019 , 92, 89-134	29.6	50
113	Advances in square arrays through self-assembly and directed self-assembly of block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 2-15	2.6	50
112	Designing Block Copolymer Architectures toward Tough Bioplastics from Natural Rosin. <i>Macromolecules</i> , 2017 , 50, 2069-2077	5.5	49
111	Bio-inspired resin acid-derived materials as anti-bacterial resistance agents with unexpected activities. <i>Chemical Science</i> , 2014 , 5, 2011	9.4	48
110	Cobaltocenium-containing block copolymers: ring-opening metathesis polymerization, self-assembly and precursors for template synthesis of inorganic nanoparticles. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 510-6	4.8	47
109	Biobased Plastics and Elastomers from Renewable Rosin via Living Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2016 , 49, 7155-7164	5.5	47
108	Amidation of triglycerides by amino alcohols and their impact on plant oil-derived polymers. <i>Polymer Chemistry</i> , 2016 , 7, 2790-2798	4.9	46

107	Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass-Based Monomers. <i>Macromolecules</i> , 2016 , 49, 7709-7717	5.5	46
106	Thiophene Polymer-Grafted Barium Titanate Nanoparticles toward Nanodielectric Composites. <i>Chemistry of Materials</i> , 2014 , 26, 5319-5326	9.6	45
105	Anion-Responsive Metallopolymer Hydrogels for Healthcare Applications. <i>Scientific Reports</i> , 2015 , 5, 11914	4.9	42
104	Generalizing metallocene mechanochemistry to ruthenocene mechanophores. <i>Chemical Science</i> , 2019 , 10, 4959-4965	9.4	41
103	Bimodal Polymer Brush Core-Shell Barium Titanate Nanoparticles: A Strategy for High-Permittivity Polymer Nanocomposites. <i>Macromolecules</i> , 2015 , 48, 8998-9006	5.5	41
102	Supramolecular Polymer Nanocomposites Derived from Plant Oils and Cellulose Nanocrystals. <i>Macromolecules</i> , 2017 , 50, 7475-7483	5.5	40
101	Self-assembly of well-defined ferrocene triblock copolymers and their template synthesis of ordered iron oxide nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 4373-5	5.8	40
100	Plant Oil and Lignin-Derived Elastomers via Thermal Azide-Alkyne Cycloaddition Click Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2593-2601	8.3	39
99	Templating Conducting Polymers via Self-Assembly of Block Copolymers and Supramolecular Recognition. <i>Macromolecules</i> , 2007 , 40, 7745-7747	5.5	38
98	Renewable atom-efficient polyesters and thermosetting resins derived from high oleic soybean oil. <i>Green Chemistry</i> , 2018 , 20, 1106-1113	10	37
97	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
96	Plant Oil-Derived Epoxy Polymers toward Sustainable Biobased Thermosets. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700009	4.8	35
95	Bioinspired High Resilient Elastomers to Mimic Resilin. <i>ACS Macro Letters</i> , 2016 , 5, 220-223	6.6	35
94	Terthiophene-containing copolymers and homopolymer blends as high-performance dielectric materials. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1967-77	9.5	35
93	Selective Capture and Quick Detection of Targeting Cells with SERS-Coding Microsphere Suspension Chip. <i>Small</i> , 2015 , 11, 2200-8	11	33
92	Cationic salt-responsive bottle-brush polymers. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 645-514.8	4.8	33
91	CD44 deletion leading to attenuation of experimental autoimmune encephalomyelitis results from alterations in gut microbiome in mice. <i>European Journal of Immunology</i> , 2017 , 47, 1188-1199	6.1	32
90	Ruthenocene-Containing Homopolymers and Block Copolymers via ATRP and RAFT Polymerization. <i>Macromolecules</i> , 2013 , 46, 8816-8823	5.5	32

89	Metalloocene-Containing Homopolymers and Heterobimetallic Block Copolymers via Photoinduced RAFT Polymerization. <i>ACS Macro Letters</i> , 2016 , 5, 1293-1300	6.6	31
88	Facile preparation of cobaltocenium-containing polyelectrolyte via click chemistry and RAFT polymerization. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 254-259	4.8	31
87	Multiple nanoscale templates by orthogonal degradation of a supramolecular block copolymer lithographic system. <i>ACS Nano</i> , 2010 , 4, 285-91	16.7	31
86	ROMPI-CDSA: ring-opening metathesis polymerization-induced crystallization-driven self-assembly of metallo-block copolymers. <i>Chemical Science</i> , 2019 , 10, 9782-9787	9.4	29
85	Crystallization-Driven Self-Assembly of Metallo-Polyelectrolyte Block Copolymers with a Polycaprolactone Core-Forming Segment. <i>ACS Macro Letters</i> , 2019 , 8, 835-840	6.6	29
84	Nanostructured Metal/Carbon Composites from Heterobimetallic Block Copolymers with Controlled Magnetic Properties. <i>Chemistry of Materials</i> , 2014 , 26, 3185-3190	9.6	29
83	Preparation of Cobaltocenium-Labeled Polymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2012 , 45, 2267-2275	5.5	29
82	Synthesis and thiol-responsive degradation of polylactide-based block copolymers having disulfide junctions using ATRP and ROP. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3071-3080	2.5	29
81	Chemical modification of organosolv lignin using boronic acid-containing reagents. <i>Polymer</i> , 2012 , 53, 87-93	3.9	27
80	Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. <i>Materials Horizons</i> , 2014 , 1, 121-124	14.4	27
79	Quantitative and Qualitative Counterion Exchange in Cationic Metalloocene Polyelectrolytes. <i>Macromolecules</i> , 2013 , 46, 1618-1624	5.5	26
78	Facial Amphiphilicity-Induced Polymer Nanostructures for Antimicrobial Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21221-21230	9.5	25
77	Rosin-based block copolymer intracellular delivery nanocarriers with reduction-responsive sheddable coronas for cancer therapy. <i>Polymer Chemistry</i> , 2016 , 7, 4751-4760	4.9	25
76	Gold Nanoparticles with Antibiotic-Metallopolymers toward Broad-Spectrum Antibacterial Effects. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800854	10.1	25
75	Distal conformational locks on ferrocene mechanophores guide reaction pathways for increased mechanochemical reactivity. <i>Nature Chemistry</i> , 2021 , 13, 56-62	17.6	25
74	Charged Metallopolymer-Grafted Silica Nanoparticles for Antimicrobial Applications. <i>Biomacromolecules</i> , 2018 , 19, 417-425	6.9	24
73	Physical Behavior of Triblock Copolymer Thermoplastic Elastomers Containing Sustainable Rosin-Derived Polymethacrylate End Blocks. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11470-11480	8.3	24
72	Chemical syntheses of bioinspired and biomimetic polymers toward biobased materials. <i>Nature Reviews Chemistry</i> ,	34.6	24

71	A biomass approach to mendable bio-elastomers. <i>Soft Matter</i> , 2017 , 13, 1306-1313	3.6	23
70	Biodegradable yolk-shell microspheres for ultrasound/MR dual-modality imaging and controlled drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 151, 333-343	6	23
69	Sustainable epoxy resins derived from plant oils with thermo- and chemo-responsive shape memory behavior. <i>Polymer</i> , 2018 , 144, 121-127	3.9	23
68	Recyclable magnetic nanoparticles grafted with antimicrobial metallopolymer-antibiotic bioconjugates. <i>Biomaterials</i> , 2018 , 178, 363-372	15.6	23
67	Development of Core-Shell Nanostructures by In Situ Assembly of Pyridine-Grafted Diblock Copolymer and Transferrin for Drug Delivery Applications. <i>Biomacromolecules</i> , 2016 , 17, 2321-8	6.9	23
66	Flexible thiophene polymers: a concerted macromolecular architecture for dielectrics. <i>Polymer Chemistry</i> , 2016 , 7, 2929-2933	4.9	23
65	Metallocenium Chemistry and Its Emerging Impact on Synthetic Macromolecular Chemistry. <i>Synlett</i> , 2016 , 27, 984-1005	2.2	23
64	Trio Act of Boronolectin with Antibiotic-Metal Complexed Macromolecules toward Broad-Spectrum Antimicrobial Efficacy. <i>ACS Infectious Diseases</i> , 2017 , 3, 845-853	5.5	22
63	A Novel Route for the Preparation of Discrete Nanostructured Carbons from Block Copolymers with Polystyrene Segments. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2312-2320	2.6	21
62	Strong Autonomic Self-Healing Biobased Polyamide Elastomers. <i>Chemistry of Materials</i> , 2020 , 32, 8325-8332	3.82	21
61	Plant oil-derived copolymers with remarkable post-polymerization induced mechanical enhancement for high performance coating applications. <i>Polymer</i> , 2019 , 174, 170-177	3.9	20
60	Syntheses of Monosubstituted Rhodocenium Derivatives, Monomers, and Polymers. <i>Macromolecules</i> , 2015 , 48, 1644-1650	5.5	20
59	A Highly Elastic and Fatigue-Resistant Natural Protein-Reinforced Hydrogel Electrolyte for Reversible-Compressible Quasi-Solid-State Supercapacitors. <i>Advanced Science</i> , 2020 , 7, 2000587	13.6	20
58	Facially amphiphilic polyionene biocidal polymers derived from lithocholic acid. <i>Bioactive Materials</i> , 2018 , 3, 186-193	16.7	20
57	Ring-Closing Metathesis and Ring-Opening Metathesis Polymerization toward Main-Chain Ferrocene-Containing Polymers. <i>Macromolecules</i> , 2018 , 51, 9131-9139	5.5	20
56	Electric-stimulus-responsive multilayer films based on a cobaltocenium-containing polymer. <i>Polymer Chemistry</i> , 2014 , 5, 6480-6488	4.9	18
55	Well-Defined Carbon Nanoparticles Prepared from Water-Soluble Shell Cross-linked Micelles that Contain Polyacrylonitrile Cores. <i>Angewandte Chemie</i> , 2004 , 116, 2843-2847	3.6	18
54	Sustainable Vinyl Polymers via Controlled Polymerization of Terpenes 2017 , 55-90		17

53	Oligoaniline-containing supramolecular block copolymer nanodielectric materials. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 791-7	4.8	16
52	Degradable and salt-responsive random copolymers. <i>Polymer Chemistry</i> , 2013 , 4, 528-535	4.9	15
51	Polystyrene-Supported Triphenylsilyl Chloride for the Silylation-Based Kinetic Resolution of Secondary Alcohols. <i>ChemCatChem</i> , 2015 , 7, 1527-1530	5.2	14
50	Supramolecular nucleobase-functionalized polymers: synthesis and potential biological applications. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1576-1588	7.3	14
49	Tuning Mechanical Properties of Biobased Polymers by Supramolecular Chain Entanglement. <i>Macromolecules</i> , 2019 , 52, 8967-8975	5.5	14
48	Synthesis and characterization of a novel rosin-based monomer: free-radical polymerization and epoxy curing. <i>Green Materials</i> , 2013 , 1, 105-113	3.2	14
47	Metallo-Polyelectrolytes: Correlating Macromolecular Architectures with Properties and Applications. <i>Trends in Chemistry</i> , 2020 , 2, 227-240	14.8	13
46	Oligothiophene-containing polymer brushes by ROMP and RAFT: Synthesis, characterization and dielectric properties. <i>Polymer</i> , 2015 , 72, 428-435	3.9	13
45	Progress in side-chain thiophene-containing polymers: synthesis, properties and applications. <i>Science China Chemistry</i> , 2015 , 58, 1641-1650	7.9	12
44	Molecular characterization of biodegradable natural resin acid-substituted polycaprolactone. <i>European Polymer Journal</i> , 2015 , 62, 43-50	5.2	12
43	Cationic Metallo-Polyelectrolytes for Robust Alkaline Anion-Exchange Membranes. <i>Angewandte Chemie</i> , 2018 , 130, 2412-2416	3.6	12
42	Renewable rosin fatty acid polyesters: the effect of backbone structure on thermal properties. <i>Green Materials</i> , 2013 , 1, 96-104	3.2	11
41	Semicontinuous emulsion polymerization of styrene-butyl acrylate-methacrylic acid with high solid content. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2352-2356	2.9	11
40	Symmetric Poly(ethylene oxide-b-styrene-b-isoprene) Triblock Copolymers: Synthesis, Characterization, and Self-Assembly in Bulk and Thin Film. <i>Macromolecules</i> , 2014 , 47, 6373-6381	5.5	10
39	Facial Amphiphilicity-Induced Self-Assembly (FAISA) of Amphiphilic Copolymers. <i>Macromolecules</i> , 2019 , 52, 9526-9535	5.5	10
38	Photoresponsive supramolecular polymers based on quadruple hydrogen-bonding and a photochromic azobenzene motif. <i>Polymer Chemistry</i> , 2018 , 9, 5395-5401	4.9	10
37	Polyhydroxyalkanoates: Sustainability, Production, and Industrialization 2017 , 11-33		9
36	Crosslinked metallo-polyelectrolytes with enhanced flexibility and dimensional stability for anion-exchange membranes. <i>Polymer Chemistry</i> , 2020 , 11, 4542-4546	4.9	9

35	Ring-opening metathesis polymerization of 18-e Cobalt(I)-containing norbornene and application as heterogeneous macromolecular catalyst in atom transfer radical polymerization. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1840-5	4.8	9
34	Charged Metallopolymers as Universal Precursors for Versatile Cobalt Materials. <i>Angewandte Chemie</i> , 2013 , 125, 13629-13633	3.6	8
33	A facile approach to thermomechanically enhanced fatty acid-containing bioplastics using metal-ligand coordination. <i>Polymer Chemistry</i> , 2019 , 10, 6570-6579	4.9	8
32	Biopolymers from Sugarcane and Soybean Lignocellulosic Biomass 2017 , 227-253		7
31	Polymerization-Induced Self-Assembly of Metallo-Polyelectrolyte Block Copolymers. <i>Journal of Polymer Science</i> , 2020 , 58, 77-83	2.4	7
30	Improving humidity-controlled solvent annealing processes for block copolymer poly(ethylene oxide)-b-polystyrene. <i>European Polymer Journal</i> , 2015 , 71, 476-489	5.2	6
29	Advances in Nanostructured Carbons from Block Copolymers Prepared by Controlled Radical Polymerization Techniques. <i>ACS Symposium Series</i> , 2006 , 295-310	0.4	6
28	Synthesis of Site-specific Charged Metallopolymers via Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization. <i>Polymer</i> , 2020 , 187, 122095-122095	3.9	6
27	Mechanochemistry of Cationic Cobaltocenium Mechanophore. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11871-11878	16.4	6
26	Preparation and Applications of Polymers with Pendant Fatty Chains from Plant Oils 2017 , 181-207		4
25	Rosin-Derived Monomers and Their Progress in Polymer Application 2017 , 103-149		4
24	Binding of Cobaltocenium-containing Polyelectrolytes with Anionic Probes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 1100-1109	3.2	4
23	Metallopolymer as a Solid Electrolyte for Rechargeable Zn-Metal Alkaline Batteries 2021 , 3, 799-806		4
22	Double-Metal Cyanide Catalyst Design in CO ₂ /Epoxide Copolymerization 2017 , 315-345		3
21	Copolymerization of C1 Building Blocks with Epoxides 2017 , 279-313		3
20	Structure-Property Relationships of Epoxy Thermoset Networks from Photoinitiated Cationic Polymerization of Epoxidized Vegetable Oils 2017 , 209-226		3
19	Side-Chain Cobaltocenium-Containing Polymers: Controlled Polymerization and Applications. <i>ACS Symposium Series</i> , 2015 , 15-27	0.4	3
18	Next-generation renewable polymers. <i>Green Materials</i> , 2013 , 1, 62-63	3.2	3

17	Nanomaterials: Polymers Containing Highly Polarizable Conjugated Side Chains as High-Performance All-Organic Nanodielectric Materials (Adv. Funct. Mater. 45/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 5570-5570	15.6	3
16	Synthesis, Assembly, and Functionalization of Polymer-Coated Ferromagnetic Nanoparticles. <i>ACS Symposium Series</i> , 2008 , 272-285	0.4	3
15	Nanostructured Carbons from Block Copolymers 257-274		3
14	Use of Rosin and Turpentine as Feedstocks for the Preparation of Polyurethane Polymers 2017 , 91-101		2
13	Industrial Applications of Pine-Chemical-Based Materials 2017 , 151-179		2
12	Highly swellable hydrogels prepared from extensively oxidized lignin. <i>Giant</i> , 2022 , 10, 100106	5.6	2
11	Modification of Wheat Gluten-Based Polymer Materials by Molecular Biomass 2017 , 255-278		1
10	Sustainable Vinyl Polymers via Controlled Polymerization of Terpenes 2017 , 35-53		1
9	Emerging Antimicrobial Research against Superbugs: Perspectives from a Polymer Laboratory 2017 , 15,		1
8	Biodegradable polycaprolactone metallopolymer-antibiotic bioconjugates containing phenylboronic acid and cobaltocenium for antimicrobial application. <i>Biomaterials Science</i> , 2021 , 9, 7237-7246	7.4	1
7	Synthesis of cationic cobaltocenophane monomers: Isomerization and ring-opening metathesis polymerization. <i>Polymer</i> , 2022 , 242, 124544	3.9	0
6	Reactive bonds for closed-loop chemical processing of polyethylene mimics. <i>Chem</i> , 2021 , 7, 847-848	16.2	0
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4	Macromol. Rapid Commun. 21/2014. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1900-1900	4.8	
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1	Polymer compositions on kinetic resolution of secondary alcohols using polymer-supported silyl chlorides. <i>Polymer Chemistry</i> , 2020 , 11, 5011-5018	4.9	