

List of Publications by Citations

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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.

184
papers

6,120
citations

41
h-index

72
g-index

190
ext. papers

7,988
ext. citations

6.1
avg, IF

6.4
L-index

#	Paper	IF	Citations
184	Silicon based lithium-ion battery anodes: A chronicle perspective review. <i>Nano Energy</i> , 2017 , 31, 113-143	17.1	819
183	Vanillin-Derived High-Performance Flame Retardant Epoxy Resins: Facile Synthesis and Properties. <i>Macromolecules</i> , 2017 , 50, 1892-1901	5.5	239
182	Bio-based epoxy resin from itaconic acid and its thermosets cured with anhydride and comonomers. <i>Green Chemistry</i> , 2013 , 15, 245-254	10	202
181	Facile in situ preparation of high-performance epoxy vitrimer from renewable resources and its application in nondestructive recyclable carbon fiber composite. <i>Green Chemistry</i> , 2019 , 21, 1484-1497	10	160
180	Robust, Fire-Safe, Monomer-Recovery, Highly Malleable Thermosets from Renewable Bioresources. <i>Macromolecules</i> , 2018 , 51, 8001-8012	5.5	139
179	Research progress on bio-based thermosetting resins. <i>Polymer International</i> , 2016 , 65, 164-173	3.3	127
178	Synthesis and properties of a bio-based epoxy resin from 2,5-furandicarboxylic acid (FDCA). <i>RSC Advances</i> , 2015 , 5, 15930-15939	3.7	120
177	An intumescent flame retardant system using β -cyclodextrin as a carbon source in polylactic acid (PLA). <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1115-1122	3.2	117
176	Synthesis and properties of full bio-based thermosetting resins from rosin acid and soybean oil: the role of rosin acid derivatives. <i>Green Chemistry</i> , 2013 , 15, 1300	10	114
175	Polyesters derived from itaconic acid for the properties and bio-based content enhancement of soybean oil-based thermosets. <i>Green Chemistry</i> , 2015 , 17, 2383-2392	10	101
174	A Chronicle Review of Nonsilicon (Sn, Sb, Ge)-Based Lithium/Sodium-Ion Battery Alloying Anodes. <i>Small Methods</i> , 2020 , 4, 2000218	12.8	99
173	Tetra-(tetraalkylammonium)octamolybdate catalysts for selective oxidation of sulfides to sulfoxides with hydrogen peroxide. <i>Green Chemistry</i> , 2009 , 11, 1401	10	99
172	How a bio-based epoxy monomer enhanced the properties of diglycidyl ether of bisphenol A (DGEBA)/graphene composites. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5081	13	98
171	Synthesis and properties of phosphorus-containing bio-based epoxy resin from itaconic acid. <i>Science China Chemistry</i> , 2014 , 57, 379-388	7.9	97
170	The crystallization behavior and mechanical properties of polylactic acid in the presence of a crystal nucleating agent. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 1108-1115	2.9	96
169	High-performance, command-degradable, antibacterial Schiff base epoxy thermosets: synthesis and properties. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15420-15431	13	87
168	Self-Templating Construction of 3D Hierarchical Macro-/Mesoporous Silicon from 0D Silica Nanoparticles. <i>ACS Nano</i> , 2017 , 11, 889-899	16.7	82

167	High-Performing and Fire-Resistant Biobased Epoxy Resin from Renewable Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7589-7599	8.3	82
166	Readily recyclable, high-performance thermosetting materials based on a lignin-derived spiro diacetal trigger. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1233-1243	13	78
165	Bio-based tetrafunctional crosslink agent from gallic acid and its enhanced soybean oil-based UV-cured coatings with high performance. <i>RSC Advances</i> , 2014 , 4, 23036	3.7	73
164	Readily recyclable carbon fiber reinforced composites based on degradable thermosets: a review. <i>Green Chemistry</i> , 2019 , 21, 5781-5796	10	72
163	Itaconic Acid as a Green Alternative to Acrylic Acid for Producing a Soybean Oil-Based Thermoset: Synthesis and Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1228-1236	8.3	71
162	Waterproof, Highly Tough, and Fast Self-Healing Polyurethane for Durable Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11072-11083	9.5	68
161	Highly recoverable rosin-based shape memory polyurethanes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3263	13	67
160	Biobased Nitrogen- and Oxygen-Codoped Carbon Materials for High-Performance Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2763-2773	8.3	64
159	Bio-based shape memory polyurethanes (Bio-SMPUs) with short side chains in the soft segment. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11490	13	55
158	A Multiscale Investigation on the Mechanism of Shape Recovery for IPDI to PPDI Hard Segment Substitution in Polyurethane. <i>Macromolecules</i> , 2016 , 49, 5931-5944	5.5	54
157	Making Benzoxazine Greener and Stronger: Renewable Resource, Microwave Irradiation, Green Solvent, and Excellent Thermal Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8715-8723	8.3	52
156	Facile Preparation of Polyimine Vitrimers with Enhanced Creep Resistance and Thermal and Mechanical Properties via Metal Coordination. <i>Macromolecules</i> , 2020 , 53, 2919-2931	5.5	52
155	Preparation and characterization of thermoplastic starches and their blends with poly(lactic acid). <i>International Journal of Biological Macromolecules</i> , 2015 , 77, 273-9	7.9	51
154	Biobased Benzoxazine Derived from Daidzein and Furfurylamine: Microwave-Assisted Synthesis and Thermal Properties Investigation. <i>ChemSusChem</i> , 2018 , 11, 3175-3183	8.3	51
153	Si/Ag/C Nanohybrids with in Situ Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. <i>ACS Nano</i> , 2018 , 12, 861-875	16.7	49
152	Research progress in the heat resistance, toughening and filling modification of PLA. <i>Science China Chemistry</i> , 2016 , 59, 1355-1368	7.9	47
151	Synthesis of bio-based poly(ethylene 2,5-furandicarboxylate) copolyesters: Higher glass transition temperature, better transparency, and good barrier properties. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3298-3307	2.5	46
150	Comprehensive review on plant fiber-reinforced polymeric biocomposites. <i>Journal of Materials Science</i> , 2021 , 56, 7231-7264	4.3	46

149	A mild method to prepare high molecular weight poly(butylene furandicarboxylate-co-glycolate) copolyesters: effects of the glycolate content on thermal, mechanical, and barrier properties and biodegradability. <i>Green Chemistry</i> , 2019 , 21, 3013-3022	10	45
148	Tensile Property Balanced and Gas Barrier Improved Poly(lactic acid) by Blending with Biobased Poly(butylene 2,5-furan dicarboxylate). <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9244-9253	8.3	45
147	Preparation and characterization of lignin-layered double hydroxide/styrene-butadiene rubber composites. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1308-1312	2.9	45
146	Biobased Poly(ethylene 2,5-furancoate): No Longer an Alternative, but an Irreplaceable Polyester in the Polymer Industry. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8471-8485	8.3	43
145	Facile catalyst-free synthesis, exchanging, and hydrolysis of an acetal motif for dynamic covalent networks. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18039-18049	13	42
144	Synthesis of Biobased Benzoxazines Suitable for Vacuum-Assisted Resin Transfer Molding Process via Introduction of Soft Silicon Segment. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 3091-3102	3.9	41
143	Copolyesters Based on 2,5-Furandicarboxylic Acid (FDCA): Effect of 2,2,4,4-Tetramethyl-1,3-Cyclobutanediol Units on Their Properties. <i>Polymers</i> , 2017 , 9,	4.5	41
142	2,5-Furandicarboxylic Acid- and Itaconic Acid-Derived Fully Biobased Unsaturated Polyesters and Their Cross-Linked Networks. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 2650-2657	3.9	40
141	Hexahydro-s-triazine: A Trial for Acid-Degradable Epoxy Resins with High Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4683-4689	8.3	39
140	Green and Facile Preparation of Readily Dual-Recyclable Thermosetting Polymers with Superior Stability Based on Asymmetric Acetal. <i>Macromolecules</i> , 2020 , 53, 1474-1485	5.5	39
139	Syntheses of Metallic Cyclodextrins and Their Use as Synergists in a Poly(Vinyl Alcohol)/Intumescent Flame Retardant System. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 2784-2792	3.9	39
138	Improvement in toughness of polylactide by melt blending with bio-based poly(ester)urethane. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 1099-1110	3.5	37
137	Synthesis of an Epoxy Monomer from Bio-Based 2,5-Furandimethanol and Its Toughening via Diels-Alder Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8508-8516	3.9	37
136	Synthesis of eugenol-based multifunctional monomers via a thiol-ene reaction and preparation of UV curable resins together with soybean oil derivatives. <i>RSC Advances</i> , 2016 , 6, 17857-17866	3.7	36
135	Scalable in Situ Synthesis of LiTiO/Carbon Nanohybrid with Supersmall LiTiO Nanoparticles Homogeneously Embedded in Carbon Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2591-2602	8.5	35
134	Synthesis and Structure-Property Relationship of Biobased Biodegradable Poly(butylene carbonate-co-furandicarboxylate). <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7488-7498	8.3	35
133	One-step coagulation to construct durable anti-fouling and antibacterial cellulose film exploiting Ag@AgCl nanoparticle- triggered photo-catalytic degradation. <i>Carbohydrate Polymers</i> , 2018 , 181, 499-505	10.3	35
132	Modification of Poly(butylene 2,5-furandicarboxylate) with Lactic Acid for Biodegradable Copolyesters with Good Mechanical and Barrier Properties. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 11020-11030	3.9	33

131	Dihydrazone-based dynamic covalent epoxy networks with high creep resistance, controlled degradability, and intrinsic antibacterial properties from bioresources. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11261-11274	13	32
130	Synthesis of polylactide-graft-glycidyl methacrylate graft copolymer and its application as a coupling agent in polylactide/bamboo flour biocomposites. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E622-E627	2.9	32
129	Soft segment free thermoplastic polyester elastomers with high performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13637-13641	13	31
128	Biobased Amorphous Polyesters with High T _g : Trade-Off between Rigid and Flexible Cyclic Diols. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6401-6411	8.3	31
127	Fully bio-based polyesters derived from 2,5-furandicarboxylic acid (2,5-FDCA) and dodecanedioic acid (DDCA): From semicrystalline thermoplastic to amorphous elastomer. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46076	2.9	31
126	Synthesis of Eugenol-Based Silicon-Containing Benzoxazines and Their Applications as Bio-Based Organic Coatings. <i>Coatings</i> , 2018 , 8, 88	2.9	30
125	Green Synthesis of a Bio-Based Epoxy Curing Agent from Isosorbide in Aqueous Condition and Shape Memory Properties Investigation of the Cured Resin. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1439-1447	2.6	30
124	Origin of highly recoverable shape memory polyurethanes (SMPUs) with non-planar ring structures: a single molecule force spectroscopy investigation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20010-20016	1.2	29
123	Synthesis, Characterization of a Rosin-based Epoxy Monomer and its Comparison with a Petroleum-based Counterpart. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 321-329	2.2	29
122	Diisocyanate free and melt polycondensation preparation of bio-based unsaturated poly(ester-urethane)s and their properties as UV curable coating materials. <i>RSC Advances</i> , 2014 , 4, 49471-49477	2.7	27
121	A Biologically Muscle-Inspired Polyurethane with Super-Tough, Thermal Reparable and Self-Healing Capabilities for Stretchable Electronics. <i>Advanced Functional Materials</i> , 2021 , 31, 2009869	15.6	27
120	Poly(neopentyl glycol 2,5-furandicarboxylate): A Promising Hard Segment for the Development of Bio-based Thermoplastic Poly(ether-ester) Elastomer with High Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9893-9902	8.3	26
119	Preparation of Biobased Monofunctional Compatibilizer from Cardanol To Fabricate Polylactide/Starch Blends with Superior Tensile Properties. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10653-10659	3.9	26
118	Facile synthesis of digestible rigid-and-flexible, bio-based building block for high-performance degradable thermosetting plastics. <i>Green Chemistry</i> , 2020 , 22, 1275-1290	10	25
117	Lignin-Based Polyurethane: Recent Advances and Future Perspectives. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000492	4.8	25
116	Intumescent flame retardation of melamine-modified montmorillonite on polyamide 6: Enhancement of condense phase and flame retardance. <i>Polymer Engineering and Science</i> , 2011 , 51, 377-385	2.3	24
115	Sustainable valorization of lignin with levulinic acid and its application in polyimine thermosets. <i>Green Chemistry</i> , 2019 , 21, 4964-4970	10	23
114	Upcycling of Polyethylene Terephthalate to Continuously Reprocessable Vitrimers through Reactive Extrusion. <i>Macromolecules</i> , 2021 , 54, 703-712	5.5	23

113	Effects of Various 1,3-Propanediols on the Properties of Poly(propylene furandicarboxylate). <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3282-3291	8.3	22
112	Hydrolysis behavior of regenerated celluloses with different degree of polymerization under microwave radiation. <i>Bioresource Technology</i> , 2015 , 191, 229-33	11	22
111	A facile way to fabricate cellulose-Ag@AgCl composites with photocatalytic properties. <i>Cellulose</i> , 2016 , 23, 3737-3745	5.5	22
110	Bio-based shape memory epoxy resin synthesized from rosin acid. <i>Iranian Polymer Journal (English Edition)</i> , 2016 , 25, 957-965	2.3	22
109	Vanillin-derived phosphorus-containing compounds and ammonium polyphosphate as green fire-resistant systems for epoxy resins with balanced properties. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 264-278	3.2	22
108	Toward Biobased, Biodegradable, and Smart Barrier Packaging Material: Modification of Poly(Neopentyl Glycol 2,5-Furandicarboxylate) with Succinic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4255-4265	8.3	21
107	From Furan to High Quality Bio-based Poly(ethylene furandicarboxylate). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 720-727	3.5	21
106	A facile preparation strategy of polycaprolactone (PCL)-based biodegradable polyurethane elastomer with a highly efficient shape memory effect. <i>New Journal of Chemistry</i> , 2020 , 44, 658-662	3.6	21
105	A toughened PLA/Nanosilica composite obtained in the presence of epoxidized soybean oil. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	20
104	High-Performance, Biobased, Degradable Polyurethane Thermoset and Its Application in Readily Recyclable Carbon Fiber Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11162-11170	8.3	20
103	Non-planar ring contained polyester modifying polylactide to pursue high toughness. <i>Composites Science and Technology</i> , 2016 , 128, 41-48	8.6	20
102	Incorporation of 1,4-cyclohexanedicarboxylic acid into poly(butylene terephthalate)-b-poly(tetramethylene glycol) to alter thermal properties without compromising tensile and elastic properties. <i>RSC Advances</i> , 2015 , 5, 94091-94098	3.7	20
101	Enhancement of a hyperbranched charring and foaming agent on flame retardancy of polyamide 6. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2237-2243	3.2	20
100	Fabricating Highly Reactive Bio-based Compatibilizers of Epoxidized Citric Acid To Improve the Flexural Properties of Polylactide/Microcrystalline Cellulose Blends. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3806-3812	3.9	19
99	Effect of 1,3,5-trialkyl-benzenetricarboxylamide on the crystallization of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1328-1336	2.9	19
98	Biosourced Acetal and Diels-Alder Adduct Concurrent Polyurethane Covalent Adaptable Network. <i>Macromolecules</i> , 2021 , 54, 1742-1753	5.5	19
97	Epoxy resins toughened with in situ azide-alkyne polymerized polysulfones. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45790	2.9	18
96	Revealing the importance of non-thermal effect to strengthen hydrolysis of cellulose by synchronous cooling assisted microwave driving. <i>Carbohydrate Polymers</i> , 2018 , 197, 414-421	10.3	18

95	Dental Resin Monomer Enables Unique NbO ₂ /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1904961	15.6	18
94	Ultraflexible Transparent Bio-Based Polymer Conductive Films Based on Ag Nanowires. <i>Small</i> , 2019 , 15, e1805094	11	17
93	Preparation of a New Type of Polyamidoamine and Its Application for Soy Flour-Based Adhesives. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2013 , 90, 265-272	1.8	17
92	Bio-Based Polybenzoxazine Modified Melamine Sponges for Selective Absorption of Organic Solvent in Water. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800126	5.9	17
91	Toughening polylactide by direct blending of cellulose nanocrystals and epoxidized soybean oil. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48221	2.9	16
90	Biodegradable Elastomer from 2,5-Furandicarboxylic Acid and ε-Caprolactone: Effect of Crystallization on Elasticity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17778-17788	8.3	16
89	Design and fabrication of imidazolium ion-immobilized electrospun polyurethane membranes with antibacterial activity. <i>Journal of Materials Science</i> , 2017 , 52, 2473-2483	4.3	16
88	Comparison of Hydrogenated Bisphenol A and Bisphenol A Epoxies: Curing Behavior, Thermal and Mechanical Properties, Shape Memory Properties. <i>Macromolecular Research</i> , 2018 , 26, 529-538	1.9	15
87	Initiating Highly Effective Hydrolysis of Regenerated Cellulose by Controlling Transition of Crystal Form with Sulfolane under Microwave Radiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1507-1511	8.3	15
86	Role of cis-1,4-cyclohexanedicarboxylic acid in the regulation of the structure and properties of a poly(butylene adipate-co-butylene 1,4-cyclohexanedicarboxylate) copolymer. <i>RSC Advances</i> , 2016 , 6, 65889-65897	3.7	15
85	Responsive behavior of regenerated cellulose in hydrolysis under microwave radiation. <i>Bioresource Technology</i> , 2014 , 167, 69-73	11	13
84	Preparation and characterization of regenerated cellulose blend films containing high amount of poly(vinyl alcohol) (PVA) in ionic liquid. <i>Macromolecular Research</i> , 2012 , 20, 703-708	1.9	13
83	Sustainable and rapidly degradable poly(butylene carbonate-co-cyclohexanedicarboxylate): influence of composition on its crystallization, mechanical and barrier properties. <i>Polymer Chemistry</i> , 2019 , 10, 1812-1822	4.9	13
82	Copolyesters developed from bio-based 2,5-furandicarboxylic acid: Synthesis, sequence distribution, mechanical, and barrier properties of poly(propylene-co-1,4-cyclohexanedimethylene 2,5-furandicarboxylate)s. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47291	2.9	13
81	2,5-Furandicarboxylic acid as a sustainable alternative to isophthalic acid for synthesis of amorphous poly(ethylene terephthalate) copolyester with enhanced performance. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47186	2.9	13
80	High-performance bio-based epoxies from ferulic acid and furfuryl alcohol: synthesis and properties. <i>Green Chemistry</i> , 2021 , 23, 1772-1781	10	13
79	Polyether-polyester and HMDI Based Polyurethanes: Effect of PLLA Content on Structure and Property. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 1152-1161	3.5	12
78	Synthesis of poly(butylene terephthalate)-poly(tetramethylene glycol) copolymers using terephthalic acid as starting material: A comparison between two synthetic strategies. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 1283-1293	3.5	12

77	Scalable Synthesis of Hierarchical Antimony/Carbon Micro-/Nanohybrid Lithium/Sodium-Ion Battery Anodes Based on Dimethacrylate Monomer. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018 , 31, 910-922	2.5	12
76	Microwave-Assisted Construction of Pyrrolopyridinone Ring Systems by Using an Ugi/Indole Cyclization Reaction. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 5770-5776	3.2	12
75	Folate-conjugated dually responsive micelles for targeted anticancer drug delivery. <i>RSC Advances</i> , 2016 , 6, 35658-35667	3.7	12
74	Activation of corn cellulose with alcohols to improve its dissolvability in fabricating ultrafine fibers via electrospinning. <i>Carbohydrate Polymers</i> , 2015 , 123, 174-9	10.3	12
73	Low dielectric constant and organosolubility of polyimides derived from unsymmetric phthalic-thioether-naphthalic dianhydrides. <i>Journal of Materials Science</i> , 2011 , 46, 1512-1522	4.3	12
72	Experimental and Theoretical Study on Glycolic Acid Provided Fast Bio/Seawater-Degradable Poly(Butylene Succinate-co-Glycolate). <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3850-3859	8.3	12
71	MnO/Metal/Carbon Nanohybrid Lithium-Ion Battery Anode With Enhanced Electrochemical Performance: Universal Facile Scalable Synthesis and Fundamental Understanding. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900335	4.6	11
70	Synergistic Effect between a Novel Hyperbranched Flame Retardant and Melamine Pyrophosphate on the Char Forming of Polyamide 6. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 1489-1497		11
69	Concurrent thiol-ene competitive reactions provide reprocessable, degradable and creep-resistant dynamic permanent hybrid covalent networks. <i>Green Chemistry</i> , 2020 , 22, 7769-7777	10	11
68	Role of Nickel Nanoparticles in High-Performance TiO ₂ /Ni/Carbon Nanohybrid Lithium/Sodium-Ion Battery Anodes. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1557-1569	4.5	10
67	Microporous Binder for the Silicon-Based Lithium-Ion Battery Anode with Exceptional Rate Capability and Improved Cyclic Performance. <i>Langmuir</i> , 2020 , 36, 2003-2011	4	10
66	One-pot synthesis of CNC-Ag@AgCl with antifouling and antibacterial properties. <i>Cellulose</i> , 2019 , 26, 7837-7846	5.5	10
65	Rational Design and Mechanical Understanding of Three-Dimensional Macro-/Mesoporous Silicon Lithium-Ion Battery Anodes with a Tunable Pore Size and Wall Thickness. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43785-43797	9.5	10
64	Highly efficient microwave driven assisted hydrolysis of cellulose to sugar with the utilization of ZrO ₂ to inhibit recrystallization of cellulose. <i>Carbohydrate Polymers</i> , 2020 , 228, 115358	10.3	10
63	Upcycling of post-consumer polyolefin plastics to covalent adaptable networks via in situ continuous extrusion cross-linking. <i>Green Chemistry</i> , 2021 , 23, 2931-2937	10	10
62	Synthesis of multifunctional monomers from rosin for the properties enhancement of soybean-oil based thermosets. <i>Science China Technological Sciences</i> , 2017 , 60, 1332-1338	3.5	9
61	Ag@AgCl embedded on cellulose film: a stable, highly efficient and easily recyclable photocatalyst. <i>Cellulose</i> , 2017 , 24, 4683-4689	5.5	9
60	Synthesis and Evaluation of Bio-Based Plasticizers from 5-Hydroxymethyl-2-Furancarboxylic Acid for Poly(vinyl chloride). <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18290-18297	3.9	9

59	Electrospun PVDF-Ag@AgCl porous fiber membrane: stable antifoul and antibacterial surface. <i>Surface Innovations</i> , 2021 , 9, 156-165	1.9	9
58	Study on Thermal Properties and Crystallization Behavior of Blends of Poly(phenylene sulfide)/Poly(ether imide). <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 1506-1514		8
57	Synthesis and Properties Investigation of Thiophene-aromatic Polyesters: Potential Alternatives for the 2,5-Furandicarboxylic Acid-based Ones. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 1082-1091	3.5	7
56	The study of regenerated cellulose films toughened with thermoplastic polyurethane elastomers. <i>Cellulose</i> , 2012 , 19, 121-126	5.5	7
55	Conductive vitrimer nanocomposites enable advanced and recyclable thermo-sensitive materials. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11681-11686	7.1	7
54	A High Performance Copolyester with Locked Biodegradability: Solid Stability and Controlled Degradation Enabled by Acid-Labile Acetal. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2280-2290	8.3	7
53	Preparation of Non-Planar-Ring Epoxy Thermosets Combining Ultra-Strong Shape Memory Effects and High Performance. <i>Macromolecular Research</i> , 2020 , 28, 480-493	1.9	6
52	The role of a biobased epoxy monomer in the preparation of diglycidyl ether of bisphenol A/MWCNT composites. <i>Polymer Composites</i> , 2017 , 38, 1640-1645	3	5
51	Poly(siloxane imide) Binder for Silicon-Based Lithium-Ion Battery Anodes via Rigidity/Softness Coupling. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2674-2680	4.5	5
50	Synthesis and shape memory property of segmented poly(ester urethane) with poly(butylene 1,4-cyclohexanedicarboxylate) as the soft segment. <i>RSC Advances</i> , 2016 , 6, 95527-95534	3.7	5
49	In situ controllable synthesis of Ag@AgCl in cellulose film and its effect on anti-fouling properties. <i>Cellulose</i> , 2018 , 25, 5175-5184	5.5	5
48	Controlling the status of corn cellulose solutions by ethanol to define fiber morphology during electrospinning. <i>Cellulose</i> , 2017 , 24, 863-870	5.5	5
47	A Self-Healing and Ionic Liquid Affiliative Polyurethane toward a Piezo 2 Protein Inspired Ionic Skin. <i>Advanced Functional Materials</i> , 2016 , 2106341	15.6	5
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