

Jin Zhu

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.

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	Fast-Reprocessing, Postadjustable, Self-Healing Covalent Adaptable Networks with Schiff Base and Diels-Alder Adduct.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100777	4.8	2
183	Acid-triggered, degradable and high strength-toughness copolyesters: Comprehensive experimental and theoretical study.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128392	12.8	3
182	Antimicrobial Lignin-Based Polyurethane/Ag Composite Foams for Improving Wound Healing.. <i>Biomacromolecules</i> , 2022 ,	6.9	4
181	Effect of high content filling jute fiber with large aspect ratio on structure and properties of PLA composite. <i>Polymer Composites</i> , 2022 , 43, 1429-1437	3	1
180	Design of 2,5-furandicarboxylic based polyesters degraded in different environmental conditions: Comprehensive experimental and theoretical study.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127752	12.8	4
179	Carbon-emcoating architecture boosts lithium storage of Nb2O5. <i>Science China Materials</i> , 2021 , 64, 1071-1086	11.06	0
178	Toughening Polylactic Acid by a Biobased Poly(Butylene 2,5-Furandicarboxylate)--Poly(Ethylene Glycol) Copolymer: Balanced Mechanical Properties and Potential Biodegradability. <i>Biomacromolecules</i> , 2021 , 22, 374-385	6.9	4
177	Structure and Properties of Regenerated Cellulose Fibers Based on Dissolution of Cellulose in a CO2 Switchable Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4744-4754	8.3	4
176	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
175	Design and synthesis of HFCA-based plasticizers with asymmetrical alkyl chains for poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51410	2.9	0
174	Electrospun PVDF-Ag@AgCl porous fiber membrane: stable antifoul and antibacterial surface. <i>Surface Innovations</i> , 2021 , 9, 156-165	1.9	9
173	Lignin-Based Polyurethane: Recent Advances and Future Perspectives. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000492	4.8	25
172	Amino acids as latent curing agents and their application in fully bio-based epoxy resins. <i>Green Chemistry</i> , 2021 , 23, 6566-6575	10	2
171	SnO2/Sn/Carbon nanohybrid lithium-ion battery anode with high reversible capacity and excellent cyclic stability. <i>Nano Select</i> , 2021 , 2, 642-653	3.1	3
170	Upcycling of Polyethylene Terephthalate to Continuously Reprocessable Vitrimers through Reactive Extrusion. <i>Macromolecules</i> , 2021 , 54, 703-712	5.5	23
169	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
168	Comprehensive review on plant fiber-reinforced polymeric biocomposites. <i>Journal of Materials Science</i> , 2021 , 56, 7231-7264	4.3	46

167	Dissociate transfer exchange of tandem dynamic bonds endows covalent adaptable networks with fast reprocessability and high performance. <i>Polymer Chemistry</i> , 2021 , 12, 5217-5228	4.9	4
166	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
165	High-performance bio-based epoxies from ferulic acid and furfuryl alcohol: synthesis and properties. <i>Green Chemistry</i> , 2021 , 23, 1772-1781	10	13
164	Biosourced Acetal and Diels-Alder Adduct Concurrent Polyurethane Covalent Adaptable Network. <i>Macromolecules</i> , 2021 , 54, 1742-1753	5.5	19
163	Porous silicon derived from 130nm Stober silica as lithium-ion battery anode. <i>Nano Select</i> , 2021 , 2, 1554-1565	3.5	5
162	Completely amorphous high thermal resistant copolyesters from bio-based 2,5-furandicarboxylic acid. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50627	2.9	2
161	Preparation of cellulose-based fluorescent materials as coating pigment by use of DMSO/DBU/CO ₂ system. <i>Cellulose</i> , 2021 , 28, 10373	5.5	1
160	Design of High-Barrier and Environmentally Degradable FDCA-Based Copolyesters: Experimental and Theoretical Investigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 13021-13032	8.3	4
159	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
158	Synthesis of recoverable thermosensitive Fe ₃ O ₄ hybrid microgels with controllable catalytic activity. <i>New Journal of Chemistry</i> , 2020 , 44, 19440-19444	3.6	2
157	High molecular weight poly(butylene terephthalate-co-butylene 2,5-furan dicarboxylate) copolyesters: From synthesis to thermomechanical and barrier properties. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49365	2.9	1
156	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
155	Epoxy Resin Enables Facile Scalable Synthesis of CuO/C Nanohybrid Lithium-Ion Battery Anode with Enhanced Electrochemical Performance. <i>ChemistrySelect</i> , 2020 , 5, 5479-5487	1.8	2
154	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
153	Utilization of Hydroxyl-Enriched Glucose-Based Carbonaceous Sphere (HEGCS) as a Catalytic Accelerator to Enhance the Hydrolysis of Cellulose to Sugar. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25693-25699	9.5	2
152	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
151	Poly(siloxane imide) Binder for Silicon-Based Lithium-Ion Battery Anodes via Rigidness/Softness Coupling. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2674-2680	4.5	5
150	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

149	Improvement in Toughness of Poly(ethylene 2,5-furandicarboxylate) by Melt Blending with Bio-based Polyamide11 in the Presence of a Reactive Compatibilizer. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 1099-1106	3.5	3
148	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
147	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
146	Fabrication of natural cellulose films with pattern by viscosity regulation of its solution. <i>Cellulose</i> , 2020 , 27, 3947-3956	5.5	3
145	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
144	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
143	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
142	Waste Cellulose Fibers Reinforced Polylactide Toughened by Direct Blending of Epoxidized Soybean Oil. <i>Fibers and Polymers</i> , 2020 , 21, 2949-2961	2	2
141	Biobased Poly(ethylene 2,5-furancarboxylate): 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
140	Effect of Adsorption of ZrO ₂ in Catalysts on the Efficiency of Hydrolysis of Cellulose to Sugar in Aqueous System under Microwave Radiation. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 399-405	4.9	3
139	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
138	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
137	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
136	Fully Bio-based Micro-cellulose Incorporated Poly(butylene 2,5-furandicarboxylate) Transparent Composites: Preparation and Characterization. <i>Fibers and Polymers</i> , 2020 , 21, 1550-1559	2	5
135	Highly Cross-Linked and Stable Shape-Memory Polyurethanes Containing a Planar Ring Chain Extender. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 5259-5268	4.3	1
134	Nucleation and crystallization of poly(propylene 2,5-furan dicarboxylate) by direct blending of microcrystalline cellulose: improved tensile and barrier properties. <i>Cellulose</i> , 2020 , 27, 9423-9436	5.5	5
133	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
132	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

131	Conductive vitrimer nanocomposites enable advanced and recyclable thermo-sensitive materials. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11681-11686	7.1	7
130	Highly efficient microwave driven assisted hydrolysis of cellulose to sugar with the utilization of ZrO to inhibit recrystallization of cellulose. <i>Carbohydrate Polymers</i> , 2020 , 228, 115358	10.3	10
129	In Situ Incorporation of Super-Small Metallic High Capacity Nanoparticles and Mesoporous Structures for High-Performance TiO ₂ /SnO ₂ /Sn/Carbon Nanohybrid Lithium-Ion Battery Anodes. <i>Energy Technology</i> , 2020 , 8, 2000034	3.5	3
128	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
127	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
126	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
125	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
124	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
123	Ultraflexible Transparent Bio-Based Polymer Conductive Films Based on Ag Nanowires. <i>Small</i> , 2019 , 15, e1805094	11	17
122	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
121	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
120	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
119	Practically Relevant Research on Silicon-Based Lithium-Ion Battery Anodes 2019 , 261-305		2
118	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
117	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
116	Sustainable valorization of lignin with levulinic acid and its application in polyimine thermosets. <i>Green Chemistry</i> , 2019 , 21, 4964-4970	10	23
115	One-pot synthesis of CNC-Ag@AgCl with antifouling and antibacterial properties. <i>Cellulose</i> , 2019 , 26, 7837-7846	5.5	10
114	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

113	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
112	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
111	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
110	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
109	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
108	The Consequence of Epoxidized Soybean Oil in the Toughening of Polylactide and Micro-Fibrillated Cellulose Blend. <i>Polymer Science - Series A</i> , 2019 , 61, 832-846	1.2	4
107	Readily recyclable carbon fiber reinforced composites based on degradable thermosets: a review. <i>Green Chemistry</i> , 2019 , 21, 5781-5796	10	72
106	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
105	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
104	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
103	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
102	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
101	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
100	Identification of side chain effect as an important factor influencing the secondary relaxation of polyesters containing cyclohexylene ring. <i>Journal of Materials Science</i> , 2018 , 53, 6239-6250	4.3	2
99	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
98	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
97	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
96	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

95	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
94	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
93	Epoxy resins toughened with in situ azide-alkyne polymerized polysulfones. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45790	2.9	18
92	Manipulating the Properties of Poly(1,4-Cyclohexylenedimethylene Terephthalate) (PCT) Just by Tuning Steric Configuration of 1,4-Cyclohexanedimethanol (CHDM). <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800172	2.6	4
91	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
90	Synthesis of Eugenol-Based Silicon-Containing Benzoxazines and Their Applications as Bio-Based Organic Coatings. <i>Coatings</i> , 2018 , 8, 88	2.9	30
89	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
88	Isothermal Crystallization Kinetics and Crystalline Morphologies of Poly(butylene adipate-co-butylene 1,4-cyclohexanedicarboxylate) Copolymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 756-764	3.5	1
87	Biobased Benzoxazine Derived from Daidzein and Furfurylamine: Microwave-Assisted Synthesis and Thermal Properties Investigation. <i>ChemSusChem</i> , 2018 , 11, 3175-3183	8.3	51
86	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
85	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
84	Research Progress on Vanillin-based Thermosets. <i>Current Green Chemistry</i> , 2018 , 5, 138-149	1.3	4
83	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
82	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
81	Robust, Fire-Safe, Monomer-Recovery, Highly Malleable Thermosets from Renewable Bioresources. <i>Macromolecules</i> , 2018 , 51, 8001-8012	5.5	139
80	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
79	Evaluation of Electrospinnability of Celluloses Derived from Different Biomass Resources. <i>Fibers and Polymers</i> , 2018 , 19, 1128-1134	2	2
78	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

77	Vanillin-Derived High-Performance Flame Retardant Epoxy Resins: Facile Synthesis and Properties. <i>Macromolecules</i> , 2017 , 50, 1892-1901	5.5	239
76	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
75	Controlling the stereostructure of non-planar ring to induce the transition from plastic to elastomer in poly(butylene adipate-co-1,4-cyclohexane dicarboxylate) and implement of polylactic acid toughness. <i>Polymer Engineering and Science</i> , 2017 , 57, 1277-1284	2.3	1
74	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
73	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
72	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
71	Self-Templating Construction of 3D Hierarchical Macro-/Mesoporous Silicon from OD Silica Nanoparticles. <i>ACS Nano</i> , 2017 , 11, 889-899	16.7	82
70	Preparation of native cellulose-AgCl fiber with antimicrobial activity through one-step electrospinning. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 284-292	3.5	4
69	Ag@AgCl embedded on cellulose film: a stable, highly efficient and easily recyclable photocatalyst. <i>Cellulose</i> , 2017 , 24, 4683-4689	5.5	9
68	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
67	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
66	Synthesis of an Epoxy Monomer from Bio-Based 2,5-Furandimethanol and Its Toughening via DielsAlder Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8508-8516	3.9	37
65	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
64	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
63	Silicon based lithium-ion battery anodes: A chronicle perspective review. <i>Nano Energy</i> , 2017 , 31, 113-143	17.1	819
62	Synthesis of copolyesters with bio-based lauric diacid: structure and physico-mechanical studies. <i>RSC Advances</i> , 2017 , 7, 55418-55426	3.7	2
61	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
60	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

59	Research progress in the heat resistance, toughening and filling modification of PLA. <i>Science China Chemistry</i> , 2016 , 59, 1355-1368	7.9	47
58	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
57	Non-planar ring contained polyester modifying polylactide to pursue high toughness. <i>Composites Science and Technology</i> , 2016 , 128, 41-48	8.6	20
56	Folate-conjugated dually responsive micelles for targeted anticancer drug delivery. <i>RSC Advances</i> , 2016 , 6, 35658-35667	3.7	12
55	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
54	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
53	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
52	Research progress on bio-based thermosetting resins. <i>Polymer International</i> , 2016 , 65, 164-173	3.3	127
51	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
50	A facile way to fabricate cellulose-Ag@AgCl composites with photocatalytic properties. <i>Cellulose</i> , 2016 , 23, 3737-3745	5.5	22
49	Bio-based shape memory epoxy resin synthesized from rosin acid. <i>Iranian Polymer Journal (English Edition)</i> , 2016 , 25, 957-965	2.3	22
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34	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
33	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	3.7	77
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