

Zibiao Li

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.

180
papers

6,686
citations

47
h-index

76
g-index

197
ext. papers

8,368
ext. citations

8.2
avg, IF

6.73
L-index

#	Paper	IF	Citations
180	Facile Fabrication of Highly Stretchable, Stable, and Self-Healing Ion-Conductive Sensors for Monitoring Human Motions. <i>Chemistry of Materials</i> , 2022 , 34, 1110-1120	9.6	5
179	Fabricating Dual-Functional Plasmonic-Magnetic Au@MgFeO Nanohybrids for Photothermal Therapy and Magnetic Resonance Imaging.. <i>ACS Omega</i> , 2022 , 7, 2031-2040	3.9	1
178	Control methods and applications of interface contact electrification of triboelectric nanogenerators: a review. <i>Materials Research Letters</i> , 2022 , 10, 97-123	7.4	6
177	Carbon Dioxide Mediated Cellulose Dissolution and Derivatization to Cellulose Carbonates in a Low-pressure System. <i>Carbohydrate Polymer Technologies and Applications</i> , 2022 , 3, 100186	1.7	
176	Flexible Elemental Thermoelectrics with Ultra-high Power Density. <i>Materials Today Energy</i> , 2022 , 100964		5
175	The crystallization of decanoic acid/dopamine supramolecular self-assemblies in the presence of coacervates.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 759-767	9.3	
174	Effectiveness of an ocular adhesive polyhedral oligomeric silsesquioxane hybrid thermo-responsive FK506 hydrogel in a murine model of dry eye. <i>Bioactive Materials</i> , 2022 , 9, 77-91	16.7	9
173	Upcycling Silicon Photovoltaic Waste into Thermoelectrics.. <i>Advanced Materials</i> , 2022 , e2110518	24	5
172	Poly(hydroxyalkanoates): Production, Applications and End-of-Life Strategies—Life Cycle Assessment Nexus. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 3387-3406	8.3	3
171	Rapid UV-Curable Form-Stable Polyethylene-Glycol-Based Phase Change Material. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2747-2756	4.3	1
170	Structural Reconstruction of Cu O Superparticles toward Electrocatalytic CO Reduction with High C Products Selectivity.. <i>Advanced Science</i> , 2022 , e2105292	13.6	6
169	Designing good compatibility factor in segmented Bi0.5Sb1.5Te3 /GeTe thermoelectrics for high power conversion efficiency. <i>Nano Energy</i> , 2022 , 96, 107147	17.1	2
168	Flexible polymeric patch based nanotherapeutics against non-cancer therapy.. <i>Bioactive Materials</i> , 2022 , 18, 471-491	16.7	0
167	Upcycling Silicon Photovoltaic Waste into Thermoelectrics (Adv. Mater. 19/2022). <i>Advanced Materials</i> , 2022 , 34, 2270144	24	
166	In Situ Generating CsPbBr3 Nanocrystals on O-defective WO3 as Z-scheme and NIR-responsive Heterojunctions for Photocatalytic CO2 Reduction.. <i>ChemSusChem</i> , 2021 ,	8.3	7
165	Biomaterials by design: Harnessing data for future development. <i>Materials Today Bio</i> , 2021 , 12, 100165	9.9	3
164	Dual Tumor Microenvironment Remodeling by Glucose-Contained Radical Copolymer for MRI-Guided Photoimmunotherapy. <i>Advanced Materials</i> , 2021 , e2107674	24	8

163	Machine Learning-Driven Biomaterials Evolution. <i>Advanced Materials</i> , 2021 , e2102703	24	13
162	Poly(lactic acid) face masks: Are these the sustainable solutions in times of COVID-19 pandemic?. <i>Science of the Total Environment</i> , 2021 , 807, 151084	10.2	6
161	Design and development of multilayer cotton masks via machine learning. <i>Materials Today Advances</i> , 2021 , 12, 100178	7.4	2
160	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. <i>Nanomaterials</i> , 2021 , 11,	5.4	10
159	AuNPs Decorated PLA Stereocomplex Micelles for Synergetic Photothermal and Chemotherapy. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100062	5.5	2
158	An Anodized Titanium/Sol-Gel Composite Coating with Self-Healable Superhydrophobic and Oleophobic Property. <i>Frontiers in Materials</i> , 2021 , 8,	4	5
157	Cyclodextrin-Based Hybrid Polymeric Complex to Overcome Dual Drug Resistance Mechanisms for Cancer Therapy. <i>Polymers</i> , 2021 , 13,	4.5	6
156	Recent Advances in New Copolymer Hydrogel-Formed Contact Lenses for Ophthalmic Drug Delivery. <i>ChemNanoMat</i> , 2021 , 7, 564-579	3.5	3
155	Toward the prevention of coronavirus infection: what role can polymers play?. <i>Materials Today Advances</i> , 2021 , 10, 100140	7.4	9
154	Engineering luminescent pectin-based hydrogel for highly efficient multiple sensing. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 869-875	7.9	7
153	Conductive elastic sponge-based triboelectric nanogenerator (TENG) for effective random mechanical energy harvesting and ammonia sensing. <i>Nano Energy</i> , 2021 , 79, 105422	17.1	22
152	Lignin-Incorporated Nanogel Serving As an Antioxidant Biomaterial for Wound Healing.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3-13	4.1	23
151	Engineered Janus amphipathic polymeric fiber films with unidirectional drainage and anti-adhesion abilities to accelerate wound healing. <i>Chemical Engineering Journal</i> , 2021 , 421, 127725	14.7	14
150	Gold-decorated TiO nanofibrous hybrid for improved solar-driven photocatalytic pollutant degradation. <i>Chemosphere</i> , 2021 , 265, 129114	8.4	18
149	Innovative utilization of molecular imprinting technology for selective adsorption and (photo)catalytic eradication of organic pollutants. <i>Chemosphere</i> , 2021 , 265, 129077	8.4	11
148	Dual-Phase Poly(lactic acid)/Poly(hydroxybutyrate)-Rubber Copolymer as High-Performance Shape Memory Materials. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 389-399	4.3	13
147	Recent progress in using hybrid silicon polymer composites for wastewater treatment. <i>Chemosphere</i> , 2021 , 263, 128380	8.4	11
146	Flexible polymeric nanosized micelles for ophthalmic drug delivery: research progress in the last three years. <i>Nanoscale Advances</i> , 2021 , 3, 5240-5254	5.1	1

145	Mitochondria targeted composite enzyme nanogels for synergistic starvation and photodynamic therapy. <i>Nanoscale</i> , 2021 , 13, 17737-17745	7.7	2
144	Current Research Trends and Perspectives on Solid-State Nanomaterials in Hydrogen Storage. <i>Research</i> , 2021 , 2021, 3750689	7.8	9
143	GOX-hemin nanogels with enhanced cascade activity for sensitive one-step glucose detection. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 3509-3514	7.3	4
142	Temperature and pH Responsive Light-Harvesting System Based on AIE-Active Microgel for Cell Imaging. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000716	4.8	4
141	The Translational Application of Hydrogel for Organoid Technology: Challenges and Future Perspectives. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100191	5.5	2
140	Vitrimers: Current research trends and their emerging applications. <i>Materials Today</i> , 2021 ,	21.8	19
139	Kombucha SCOBY Waste as a Catalyst Support. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2939-2946	4.5	
138	Humidity-resistant triboelectric nanogenerator and its applications in wind energy harvesting and self-powered cathodic protection. <i>Electrochimica Acta</i> , 2021 , 391, 138994	6.7	7
137	Limiting the Uncoordinated N Species in M-N Single-Atom Catalysts toward Electrocatalytic CO Reduction in Broad Voltage Range. <i>Advanced Materials</i> , 2021 , e2104090	24	11
136	N95 respirator decontamination: a study in reusability. <i>Materials Today Advances</i> , 2021 , 11, 100148	7.4	3
135	Insights into the nucleation and crystallization analysis of PHB-rubber toughened PLA biocomposites. <i>Composites Communications</i> , 2021 , 27, 100894	6.7	6
134	Engineered bio-adhesive polyhedral oligomeric silsesquioxane hybrid nanoformulation of amphotericin B for prolonged therapy of fungal keratitis. <i>Chemical Engineering Journal</i> , 2021 , 421, 129734	14.7	7
133	Microscopically tuning the graphene oxide framework for membrane separations: a review. <i>Nanoscale Advances</i> , 2021 , 3, 5265-5276	5.1	1
132	Enhanced drug retention by anthracene crosslinked nanocomposites for bimodal imaging-guided phototherapy. <i>Nanoscale</i> , 2021 , 13, 14713-14722	7.7	1
131	Oxygenic Enrichment in Hybrid Ruthenium Sulfide Nanoclusters for an Optimized Photothermal Effect. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
130	Advances in the design and development of SARS-CoV-2 vaccines.. <i>Military Medical Research</i> , 2021 , 8, 67	19.3	4
129	New inorganic coating-based triboelectric nanogenerators with anti-wear and self-healing properties for efficient wave energy harvesting. <i>Applied Materials Today</i> , 2020 , 20, 100645	6.6	11
128	Recent Advances in Complex Coacervation Design from Macromolecular Assemblies and Emerging Applications. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000149	4.8	19

127	Bend, Twist, and Turn: First Bendable and Malleable Toughened PLA Green Composites. <i>Advanced Functional Materials</i> , 2020 , 30, 2001565	15.6	24
126	Introduction of Organosilicon Materials 2020 , 1-21		0
125	Reactive Functionally Terminated Polyorganosiloxanes 2020 , 23-61		1
124	Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS) and Copolymers 2020 , 63-96		0
123	Nanostructured Self-assemblies from Silicon-containing Hybrid Copolymers 2020 , 97-117		2
122	Superhydrophobic Materials Derived from Hybrid Silicon Copolymers 2020 , 119-143		1
121	Silicone Copolymers for Healthcare and Personal Care Applications 2020 , 145-166		2
120	Construction of Organic Optoelectronic Materials by Using Polyhedral Oligomeric Silsesquioxanes (POSS) 2020 , 167-200		1
119	Hybrid POSS Nanocomposites 2020 , 201-237		2
118	3D Printing Silicone Materials and Devices 2020 , 239-263		3
117	Polyhedral Oligomeric Silsesquioxanes (POSS)-Based Hybrid Soft Gels: Molecular Design, Material Advantages, and Emerging Applications 2020 , 2, 296-316		41
116	A new highly transparent injectable PHA-based thermogelling vitreous substitute. <i>Biomaterials Science</i> , 2020 , 8, 926-936	7.4	28
115	Recent innovations in artificial skin. <i>Biomaterials Science</i> , 2020 , 8, 776-797	7.4	22
114	Preparation of mixed micelles carrying folates and stable radicals through PLA stereocomplexation for drug delivery. <i>Materials Science and Engineering C</i> , 2020 , 108, 110464	8.3	10
113	Surface Migration of Fluorinated-Siloxane Copolymer with Unusual Liquid Crystal Behavior for Highly Efficient Oil/Water Separation. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3612-3620	4.3	10
112	Face Masks in the New COVID-19 Normal: Materials, Testing, and Perspectives. <i>Research</i> , 2020 , 2020, 7286735	7.8	168
111	Highly Washable and Reusable Green Nanofibrous Sorbent with Superoleophilicity, Biodegradability, and Mechanical Robustness. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 4825-4835	4.3	16
110	Grand challenges in nanomedicine. <i>Materials Science and Engineering C</i> , 2020 , 106, 110302	8.3	53

109	Hybridized 2D Nanomaterials Toward Highly Efficient Photocatalysis for Degrading Pollutants: Current Status and Future Perspectives. <i>Small</i> , 2020 , 16, e1907087	11	41
108	Star-Shaped Crosslinker for Multifunctional Shape Memory Polyurethane. <i>Polymers</i> , 2020 , 12,	4.5	4
107	Cyclodextrin-based sustained gene release systems: a supramolecular solution towards clinical applications. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 181-192	7.8	28
106	Using Artificial Skin Devices as Skin Replacements: Insights into Superficial Treatment. <i>Small</i> , 2019 , 15, e1805453	11	34
105	Biomass-Derived Carbonaceous Materials: Recent Progress in Synthetic Approaches, Advantages, and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4564-4585	8.3	111
104	Light-Induced Redox-Responsive Smart Drug Delivery System by Using Selenium-Containing Polymer@MOF Shell/Core Nanocomposite. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900406	10.1	51
103	Autonomous Chitosan-Based Self-Healing Hydrogel Formed through Noncovalent Interactions. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1769-1777	4.3	23
102	The perspectives of using unimolecular micelles in drug formulation. <i>Therapeutic Delivery</i> , 2019 , 10, 333-335	3.8	3
101	Tris-Stabilized MoS ₂ Nanosheets with Robust Dispersibility and Facile Surface Functionalization. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900585	4.6	7
100	Mechanically Robust Hybrid POSS Thermoplastic Polyurethanes with Enhanced Surface Hydrophobicity. <i>Polymers</i> , 2019 , 11,	4.5	17
99	Retinal-detachment repair and vitreous-like-body reformation via a thermogelling polymer endotamponade. <i>Nature Biomedical Engineering</i> , 2019 , 3, 598-610	19	49
98	Polymeric Janus Nanoparticles: Recent Advances in Synthetic Strategies, Materials Properties, and Applications. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800203	4.8	36
97	Polymeric Encapsulation of Turmeric Extract for Bioimaging and Antimicrobial Applications. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800216	4.8	17
96	Precise Synthesis of PS-PLA Janus Star-Like Copolymer. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800217	4.8	8
95	Cyclodextrin-Based Star-Like Amphiphilic Cationic Polymer as a Potential Pharmaceutical Carrier in Macrophages. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800207	4.8	19
94	Recent Progress in Macromolecule-Anchored Hybrid Gold Nanomaterials for Biomedical Applications. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800029	4.8	18
93	Targeted and Sustained Corelease of Chemotherapeutics and Gene by Injectable Supramolecular Hydrogel for Drug-Resistant Cancer Therapy. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800117	4.8	40
92	pH-Responsive Poly(dimethylsiloxane) Copolymer Decorated Magnetic Nanoparticles for Remotely Controlled Oil-in-Water Nanoemulsion Separation. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800013	4.8	10

91	High-Performance Colorimetric Room-Temperature NO Sensing Using Spin-Coated Graphene/Polyelectrolyte Reflecting Film. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32390-32397	9.5	8
90	Cyclodextrin based unimolecular micelles with targeting and biocleavable abilities as chemotherapeutic carrier to overcome drug resistance. <i>Materials Science and Engineering C</i> , 2019 , 105, 110047	8.3	12
89	Highly porous polymer nanofibrous aerogels cross-linked via spontaneous inter-fiber stereocomplexation and their potential for capturing ultrafine airborne particles. <i>Polymer</i> , 2019 , 179, 121649	3.9	10
88	PHA-Based Thermogel as a Controlled Zero-Order Chemotherapeutic Delivery System for the Effective Treatment of Melanoma.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3591-3600	4.1	19
87	Self-Healable, Fast Responsive Poly(εPentadecalactone) Thermogelling System for Effective Liver Cancer Therapy. <i>Frontiers in Chemistry</i> , 2019 , 7, 683	5	10
86	Recent Progress in Polyhydroxyalkanoates-Based Copolymers for Biomedical Applications. <i>Biotechnology Journal</i> , 2019 , 14, e1900283	5.6	36
85	Cationic polymeric nanoformulation: Recent advances in material design for CRISPR/Cas9 gene therapy. <i>Progress in Natural Science: Materials International</i> , 2019 , 29, 617-627	3.6	8
84	Hydrophilicity-Controlled Conjugated Microporous Polymers for Enhanced Visible-Light-Driven Photocatalytic H Evolution. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800494	4.8	19
83	Reduction-responsive shell cross-linked micelles derived from amphiphilic triblock copolymer as anticancer drug delivery carrier. <i>Materials Science and Engineering C</i> , 2019 , 96, 383-390	8.3	21
82	Cu ₂ -xS loaded diatom nanocomposites as novel photocatalysts for efficient photocatalytic degradation of organic pollutants. <i>Catalysis Today</i> , 2019 , 335, 228-235	5.3	22
81	Hydrogels as Emerging Materials for Translational Biomedicine. <i>Advanced Therapeutics</i> , 2019 , 2, 1800088	4.9	43
80	Biodegradable silica rubber core-shell nanoparticles and their stereocomplex for efficient PLA toughening. <i>Composites Science and Technology</i> , 2018 , 159, 11-17	8.6	56
79	Hierarchically Self-Assembled Supramolecular Host-Guest Delivery System for Drug Resistant Cancer Therapy. <i>Biomacromolecules</i> , 2018 , 19, 1926-1938	6.9	41
78	Thermoresponsive Supramolecular Chemotherapy by "V"-Shaped Armed βCyclodextrin Star Polymer to Overcome Drug Resistance. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701143	10.1	25
77	Polyester elastomers for soft tissue engineering. <i>Chemical Society Reviews</i> , 2018 , 47, 4545-4580	58.5	114
76	Biodegradable Polyester Thermogelling System as Emerging Materials for Therapeutic Applications. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700656	3.9	10
75	Recent Advances in the Development of Antimicrobial Nanoparticles for Combating Resistant Pathogens. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701400	10.1	72
74	Sustainable Multiple- and Multistimulus-Shape-Memory and Self-Healing Elastomers with Semi-interpenetrating Network Derived from Biomass via Bulk Radical Polymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6527-6535	8.3	34

73	Fabrication of luminescent TiO:Eu and ZrO:Tb encapsulated PLGA microparticles for bioimaging application with enhanced biocompatibility. <i>Materials Science and Engineering C</i> , 2018 , 92, 1117-1123	8.3	12
72	Overcoming STC2 mediated drug resistance through drug and gene co-delivery by PHB-PDMAEMA cationic polyester in liver cancer cells. <i>Materials Science and Engineering C</i> , 2018 , 83, 210-217	8.3	57
71	Poly(carbonate urethane)-Based Thermogels with Enhanced Drug Release Efficacy for Chemotherapeutic Applications. <i>Polymers</i> , 2018 , 10,	4.5	23
70	Biodegradable polyester unimolecular systems as emerging materials for therapeutic applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5488-5498	7.3	25
69	Stereocomplexed micelle formation through enantiomeric PLA-based Y-shaped copolymer for targeted drug delivery. <i>Materials Science and Engineering C</i> , 2018 , 91, 688-695	8.3	21
68	Lignin-based Functional Nanocomposites. <i>Sustainable Chemistry Series</i> , 2018 , 49-80	0.4	1
67	Chemical Modification of Lignin. <i>Sustainable Chemistry Series</i> , 2018 , 81-120	0.4	3
66	Carbon Precursor from Lignin: Methods and Applications. <i>Sustainable Chemistry Series</i> , 2018 , 121-152	0.4	4
65	Biodegradable polyester shape memory polymers: Recent advances in design, material properties and applications. <i>Materials Science and Engineering C</i> , 2018 , 92, 1061-1074	8.3	34
64	Recent advances in the development of biodegradable PHB-based toughening materials: Approaches, advantages and applications. <i>Materials Science and Engineering C</i> , 2018 , 92, 1092-1116	8.3	121
63	Surfactant Free Delivery of Docetaxel by Poly[(R)-3-hydroxybutyrate-(R)-3-hydroxyhexanoate]-Based Polymeric Micelles for Effective Melanoma Treatments. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1801221	10.1	27
62	Biodegradable PHB-Rubber Copolymer Toughened PLA Green Composites with Ultrahigh Extensibility. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15517-15527	8.3	44
61	A Recent Perspective on Noncovalently Formed Polymeric Hydrogels. <i>Chemical Record</i> , 2018 , 18, 1517-1529		17
60	Incorporation of Polycaprolactone to Cyclodextrin-Based Nanocarrier for Potent Gene Delivery. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800255	3.9	10
59	Biodegradable polyhydroxyalkanoates nanocarriers for drug delivery applications 2018 , 607-634		7
58	Functionalization of 2D transition metal dichalcogenides for biomedical applications. <i>Materials Science and Engineering C</i> , 2017 , 70, 1095-1106	8.3	105
57	Recent progress of atomic layer deposition on polymeric materials. <i>Materials Science and Engineering C</i> , 2017 , 70, 1182-1191	8.3	142
56	Role of electrostatic complementarity between perylene diimide and porphyrin in highly stabilized GNA. <i>Materials Science and Engineering C</i> , 2017 , 70, 1156-1162	8.3	9

55	Conjugation of poly(ethylene glycol) to poly(lactide)-based polyelectrolytes: An effective method to modulate cytotoxicity in gene delivery. <i>Materials Science and Engineering C</i> , 2017 , 73, 275-284	8.3	50
54	Targeted delivery of Bcl-2 conversion gene by MPEG-PCL-PEI-FA cationic copolymer to combat therapeutic resistant cancer. <i>Materials Science and Engineering C</i> , 2017 , 76, 66-72	8.3	52
53	Recent development of synthetic nonviral systems for sustained gene delivery. <i>Drug Discovery Today</i> , 2017 , 22, 1318-1335	8.8	87
52	Polyhedral oligomeric silsesquioxanes (POSSs): an important building block for organic optoelectronic materials. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5283-5298	7.1	106
51	Injectable Supramolecular Hydrogels as Delivery Agents of Bcl-2 Conversion Gene for the Effective Shrinkage of Therapeutic Resistance Tumors. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700159	10.1	74
50	Emerging bone tissue engineering via Polyhydroxyalkanoate (PHA)-based scaffolds. <i>Materials Science and Engineering C</i> , 2017 , 79, 917-929	8.3	113
49	Sustainable and Antioxidant Lignin Polyester Copolymers and Nanofibers for Potential Healthcare Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6016-6025	8.3	112
48	Synthesis of star-like hybrid POSS-(PDMAEMA-b-PDLA) copolymer and its stereocomplex properties with PLLA. <i>Materials Science and Engineering C</i> , 2017 , 76, 211-216	8.3	41
47	A review of drug release mechanisms from nanocarrier systems. <i>Materials Science and Engineering C</i> , 2017 , 76, 1440-1453	8.3	136
46	Control of PLA Stereoisomers-Based Polyurethane Elastomers as Highly Efficient Shape Memory Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1217-1227	8.3	74
45	Long-Term Real-Time In Vivo Drug Release Monitoring with AIE Thermogelling Polymer. <i>Small</i> , 2017 , 13, 1603404	11	115
44	Facile synthesis of RGD-conjugated unimolecular micelles based on a polyester dendrimer for targeting drug delivery. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1062-1072	7.3	45
43	Four-Dimensional (4D) Printing: Applying Soft Adaptive Materials to Additive Manufacturing. <i>Journal of Molecular and Engineering Materials</i> , 2017 , 05, 1740003	1.3	12
42	Nano-Star-Shaped Polymers for Drug Delivery Applications. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700410	4.8	80
41	Unexpected formation of gold nanoflowers by a green synthesis method as agents for a safe and effective photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 15753-15759	7.7	58
40	Codelivery for Paclitaxel and Bcl-2 Conversion Gene by PHB-PDMAEMA Amphiphilic Cationic Copolymer for Effective Drug Resistant Cancer Therapy. <i>Macromolecular Bioscience</i> , 2017 , 17, 1700186	5.5	42
39	Microwave assisted synthesis of luminescent carbonaceous nanoparticles from silk fibroin for bioimaging. <i>Materials Science and Engineering C</i> , 2017 , 80, 616-623	8.3	27
38	New Poly[(R)-3-hydroxybutyrate-co-4-hydroxybutyrate] (P3HB4HB)-Based Thermogels. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700196	2.6	29

37	Shape armed amphiphilic star-like copolymers: design, synthesis and dual-responsive unimolecular micelle formation for controlled drug delivery. <i>Polymer Chemistry</i> , 2017 , 8, 5611-5620	4.9	64
36	Recent advances of using polyhydroxyalkanoate-based nanovehicles as therapeutic delivery carriers. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1429	9.2	58
35	Review of Adaptive Programmable Materials and Their Bioapplications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33351-33370	9.5	91
34	Small molecule therapeutic-loaded liposomes as therapeutic carriers: from development to clinical applications. <i>RSC Advances</i> , 2016 , 6, 70592-70615	3.7	45
33	Safe and efficient membrane permeabilizing polymers based on PLLA for antibacterial applications. <i>RSC Advances</i> , 2016 , 6, 28947-28955	3.7	75
32	Facile Layer-by-Layer Self-Assembly toward Enantiomeric Poly(lactide) Stereocomplex Coated Magnetite Nanocarrier for Highly Tunable Drug Deliveries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1842-53	9.5	84
31	Lignin-derived interconnected hierarchical porous carbon monolith with large areal/volumetric capacitances for supercapacitor. <i>Carbon</i> , 2016 , 100, 151-157	10.4	155
30	Emerging Supramolecular Therapeutic Carriers Based on Host-Guest Interactions. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1300-21	4.5	76
29	Recent advances in stereocomplexation of enantiomeric PLA-based copolymers and applications. <i>Progress in Polymer Science</i> , 2016 , 62, 22-72	29.6	184
28	Structural Basis for the Structure-Activity Behaviour of Oxaliplatin and its Enantiomeric Analogues: A Molecular Dynamics Study of Platinum-DNA Intrastrand Crosslink Adducts. <i>Australian Journal of Chemistry</i> , 2016 , 69, 379	1.2	2
27	Polyhydroxyalkanoates: opening doors for a sustainable future. <i>NPG Asia Materials</i> , 2016 , 8, e265-e265	10.3	286
26	PHB-Based Gels as Delivery Agents of Chemotherapeutics for the Effective Shrinkage of Tumors. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2679-2685	10.1	92
25	Recent development of unimolecular micelles as functional materials and applications. <i>Polymer Chemistry</i> , 2016 , 7, 5898-5919	4.9	113
24	Recent Progress in Using Stereocomplexation for Enhancement of Thermal and Mechanical Property of Polylactide. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5370-5391	8.3	154
23	Recent Advances of Using Hybrid Nanocarriers in Remotely Controlled Therapeutic Delivery. <i>Small</i> , 2016 , 12, 4782-4806	11	204
22	Water soluble polyhydroxyalkanoates: future materials for therapeutic applications. <i>Chemical Society Reviews</i> , 2015 , 44, 2865-79	58.5	225
21	Recent Progress in Using Biomaterials as Vitreous Substitutes. <i>Biomacromolecules</i> , 2015 , 16, 3093-102	6.9	78
20	Phase PVDF-hfp induced by mesoporous SiO ₂ nanorods: synthesis and formation mechanism. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3708-3713	7.1	53

19	Poly(ethylene glycol) conjugated poly(lactide)-based polyelectrolytes: synthesis and formation of stable self-assemblies induced by stereocomplexation. <i>Langmuir</i> , 2015 , 31, 2321-33	4	50
18	UV-absorbent lignin-based multi-arm star thermoplastic elastomers. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 398-404	4.8	75
17	Towards the development of polycaprolactone based amphiphilic block copolymers: molecular design, self-assembly and biomedical applications. <i>Materials Science and Engineering C</i> , 2014 , 45, 620-34	8.3	142
16	Novel linear-dendritic-like amphiphilic copolymers: synthesis and self-assembly characteristics. <i>Polymer Chemistry</i> , 2014 , 5, 4069-4075	4.9	46
15	Design of polyhedral oligomeric silsesquioxane (POSS) based thermo-responsive amphiphilic hybrid copolymers for thermally denatured protein protection applications. <i>Polymer Chemistry</i> , 2014 , 5, 6740-6753	4.9	57
14	Control of hyperbranched structure of polycaprolactone/poly(ethylene glycol) polyurethane block copolymers by glycerol and their hydrogels for potential cell delivery. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 14763-74	3.4	49
13	Biodegradable hyperbranched amphiphilic polyurethane multiblock copolymers consisting of poly(propylene glycol), poly(ethylene glycol), and polycaprolactone as in situ thermogels. <i>Biomacromolecules</i> , 2012 , 13, 3977-89	6.9	95
12	Supramolecular anchoring of DNA polyplexes in cyclodextrin-based polypseudorotaxane hydrogels for sustained gene delivery. <i>Biomacromolecules</i> , 2012 , 13, 3162-72	6.9	122
11	Characterization, biodegradability and blood compatibility of poly[(R)-3-hydroxybutyrate] based poly(ester-urethane)s. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 90, 1162-76	5.4	42
10	Synthesis, characterization and biocompatibility of biodegradable elastomeric poly(ether-ester urethane)s Based on Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) and Poly(ethylene glycol) via melting polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009 , 20, 1179-202	3.5	45
9	Synthesis, characterization and cell compatibility of novel poly(ester urethane)s based on poly(3-hydroxybutyrate-co-4-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) prepared by melting polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009 , 20, 1451-71	3.5	34
8	Novel amphiphilic poly(ester-urethane)s based on poly[(R)-3-hydroxyalkanoate]: synthesis, biocompatibility and aggregation in aqueous solution. <i>Polymer International</i> , 2008 , 57, 887-894	3.3	45
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