

Xiaolin Xie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/46857/publications.pdf>

Version: 2024-02-01

175
papers

9,700
citations

31976

53
h-index

43889

91
g-index

180
all docs

180
docs citations

180
times ranked

9824
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(ethylene oxide)-based electrolytes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19218-19253.	10.3	1,566
2	Multifunctional Magnetic $Ti_3C_2T_x$ MXene/Graphene Aerogel with Superior Electromagnetic Wave Absorption Performance. <i>ACS Nano</i> , 2021, 15, 6622-6632.	14.6	503
3	Improving thermal conductivity while retaining high electrical resistivity of epoxy composites by incorporating silica-coated multi-walled carbon nanotubes. <i>Carbon</i> , 2011, 49, 495-500.	10.3	262
4	Reducing the thickness of solid-state electrolyte membranes for high-energy lithium batteries. <i>Energy and Environmental Science</i> , 2021, 14, 12-36.	30.8	236
5	Superior flame retardancy and smoke suppression of epoxy-based composites with phosphorus/nitrogen co-doped graphene. <i>Journal of Hazardous Materials</i> , 2018, 346, 140-151.	12.4	173
6	Advanced carbon materials/olivine $LiFePO_4$ composites cathode for lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 318, 93-112.	7.8	171
7	Ultralight Layer-by-Layer Self-Assembled MoS_2 Polymer Modified Separator for Simultaneously Trapping Polysulfides and Suppressing Lithium Dendrites. <i>Advanced Energy Materials</i> , 2018, 8, 1802430.	19.5	170
8	Improving thermal and flame retardant properties of epoxy resin by functionalized graphene containing phosphorous, nitrogen and silicon elements. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 103, 74-83.	7.6	158
9	A flexible, self-healing and highly stretchable polymer electrolyte <i>via</i> quadruple hydrogen bonding for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11725-11733.	10.3	155
10	Simultaneous improvement in the flame resistance and thermal conductivity of epoxy/ Al_2O_3 composites by incorporating polymeric flame retardant-functionalized graphene. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13544-13556.	10.3	148
11	High-performance epoxy/silica coated silver nanowire composites as underfill material for electronic packaging. <i>Composites Science and Technology</i> , 2014, 105, 80-85.	7.8	146
12	Synergetic Improvement in Thermal Conductivity and Flame Retardancy of Epoxy/Silver Nanowires Composites by Incorporating Branch-Like Flame-Retardant Functionalized Graphene. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21628-21641.	8.0	142
13	Highly flame-retardant epoxy-based thermal conductive composites with functionalized boron nitride nanosheets exfoliated by one-step ball milling. <i>Chemical Engineering Journal</i> , 2021, 407, 127099.	12.7	131
14	Self-Healing Solid Polymer Electrolyte Facilitated by a Dynamic Cross-Linked Polymer Matrix for Lithium-Ion Batteries. <i>Macromolecules</i> , 2020, 53, 1024-1032.	4.8	125
15	Highly thermally conductive flame retardant epoxy nanocomposites with multifunctional ionic liquid flame retardant-functionalized boron nitride nanosheets. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20500-20512.	10.3	123
16	Multiple synergistic effects of graphene-based hybrid and hexagonal boron nitride in enhancing thermal conductivity and flame retardancy of epoxy. <i>Chemical Engineering Journal</i> , 2020, 379, 122402.	12.7	120
17	Monochromatic Visible Light Photoinitiator Janus-Faced Initiation and Inhibition for Storage of Colored 3D Images. <i>Journal of the American Chemical Society</i> , 2014, 136, 8855-8858.	13.7	118
18	Iron-catalyzed atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2015, 6, 1660-1687.	3.9	105

#	ARTICLE	IF	CITATIONS
19	Self-healing composite polymer electrolyte formed via supramolecular networks for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10354-10362.	10.3	104
20	Bioinspired Ternary Artificial Nacre Nanocomposites Based on Reduced Graphene Oxide and Nanofibrillar Cellulose. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10545-10550.	8.0	102
21	Responsive Block Copolymer Photonic Microspheres. <i>Advanced Materials</i> , 2018, 30, e1707344.	21.0	102
22	Poly(ethylene oxide)-based composite polymer electrolytes embedding with ionic bond modified nanoparticles for all-solid-state lithium-ion battery. <i>Journal of Membrane Science</i> , 2019, 575, 200-208.	8.2	102
23	Construction of Supramolecular Liquid-Crystalline Metallacycles for Holographic Storage of Colored Images. <i>Journal of the American Chemical Society</i> , 2020, 142, 6285-6294.	13.7	99
24	Structure, rheological, thermal conductive and electrical insulating properties of high-performance hybrid epoxy/nanosilica/AgNWs nanocomposites. <i>Composites Science and Technology</i> , 2016, 128, 207-214.	7.8	95
25	Polycationic Polymer Layer for Air-Stable and Dendrite-Free Li Metal Anodes in Carbonate Electrolytes. <i>Advanced Materials</i> , 2021, 33, e2007428.	21.0	94
26	Fast electrochemical kinetics and strong polysulfide adsorption by a highly oriented MoS ₂ nanosheet@N-doped carbon interlayer for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7897-7906.	10.3	93
27	Enhancing thermal oxidation and fire resistance of reduced graphene oxide by phosphorus and nitrogen co-doping: Mechanism and kinetic analysis. <i>Carbon</i> , 2019, 146, 650-659.	10.3	90
28	Flexible Organic-Inorganic Hybrid Solid Electrolytes Formed via Thiol-Acrylate Photopolymerization. <i>Macromolecules</i> , 2017, 50, 1970-1980.	4.8	89
29	Multiwalled Carbon Nanotubes Functionalized by Hyperbranched Poly(urea-urethane)s by a One-Pot Polycondensation. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1695-1701.	3.9	87
30	High Performance Graded Rainbow Holograms via Two-Stage Sequential Orthogonal Thiol-Click Chemistry. <i>Macromolecules</i> , 2014, 47, 2306-2315.	4.8	81
31	Flexible, Self-Healing, and Fire-Resistant Polymer Electrolytes Fabricated via Photopolymerization for All-Solid-State Lithium Metal Batteries. <i>ACS Macro Letters</i> , 2020, 9, 525-532.	4.8	81
32	A Centimeter-Scale Inorganic Nanoparticle Superlattice Monolayer with Non-Close Packing and its High Performance in Memory Devices. <i>Advanced Materials</i> , 2018, 30, e1800595.	21.0	80
33	A facile method to fabricate silica-coated carbon nanotubes and silica nanotubes from carbon nanotubes templates. <i>Journal of Materials Science</i> , 2009, 44, 4539-4545.	3.7	79
34	Progress in Imidazolium Ionic Liquids Assisted Fabrication of Carbon Nanotube and Graphene Polymer Composites. <i>Polymers</i> , 2013, 5, 847-872.	4.5	78
35	PEO-based electrolytes blended with star polymers with precisely imprinted polymeric pseudo-crown ether cavities for alkali metal ion batteries. <i>Journal of Membrane Science</i> , 2019, 576, 182-189.	8.2	78
36	A One-Step Route to CO ₂ -Based Block Copolymers by Simultaneous ROCOP of CO ₂ /Epoxides and RAFT Polymerization of Vinyl Monomers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3593-3597.	13.8	77

#	ARTICLE	IF	CITATIONS
37	Soft Colloidal Molecules with Tunable Geometry by 3D Confined Assembly of Block Copolymers. <i>Macromolecules</i> , 2015, 48, 5855-5860.	4.8	75
38	Self-Healing Polymer Electrolytes Formed via Dual-Networks: A New Strategy for Flexible Lithium Metal Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 19200-19207.	3.3	75
39	Molecular Brush with Dense PEG Side Chains: Design of a Well-Defined Polymer Electrolyte for Lithium-Ion Batteries. <i>Macromolecules</i> , 2019, 52, 7234-7243.	4.8	72
40	Synthesis and self-assembly of polystyrene-grafted multiwalled carbon nanotubes with a hairy-rod nanostructure. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3869-3881.	2.3	71
41	Photoinitiation and Inhibition under Monochromatic Green Light for Storage of Colored 3D Images in Holographic Polymer-Dispersed Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1810-1819.	8.0	69
42	PANI-PEG copolymer modified LiFePO ₄ as a cathode material for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19315-19323.	10.3	68
43	Electric-Field-Assisted Assembly of Polymer-Tethered Gold Nanorods in Cylindrical Nanopores. <i>ACS Nano</i> , 2016, 10, 4954-4960.	14.6	61
44	Advances on Thermally Conductive Epoxy-Based Composites as Electronic Packaging Underfill Materials—A Review. <i>Advanced Materials</i> , 2022, 34, e2201023.	21.0	61
45	Block Copolymer Capsules with Structure-Dependent Release Behavior. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14633-14637.	13.8	60
46	A polysulfone-based anion exchange membrane for phosphoric acid concentration and purification by electro-electrodialysis. <i>Journal of Membrane Science</i> , 2018, 552, 86-94.	8.2	60
47	SiO ₂ @MoS ₂ core-shell nanocomposite layers with high lithium ion diffusion as a triple polysulfide shield for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7644-7653.	10.3	60
48	3D Image Storage in Photopolymer/ZnS Nanocomposites Tailored by Photoinhibitor. <i>Macromolecules</i> , 2015, 48, 2958-2966.	4.8	59
49	Comb-like solid polymer electrolyte based on polyethylene glycol-grafted sulfonated polyether ether ketone. <i>Electrochimica Acta</i> , 2017, 255, 396-404.	5.2	59
50	One-Step and Metal-Free Synthesis of Triblock Quaterpolymers by Concurrent and Switchable Polymerization. <i>ACS Macro Letters</i> , 2020, 9, 204-209.	4.8	59
51	Facile Image Patterning via Sequential Thiol-Michael/Thiol-Yne Click Reactions. <i>Chemistry of Materials</i> , 2014, 26, 6819-6826.	6.7	57
52	Crosstalk-Free Patterning of Cooperative Thermoresponsive Images by the Synergy of the AIEgen with the Liquid Crystal. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10066-10072.	13.8	56
53	Controlled Synthesis and Novel Solution Rheology of Hyperbranched Poly(urea-urethane)-Functionalized Multiwalled Carbon Nanotubes. <i>Macromolecules</i> , 2007, 40, 5858-5867.	4.8	55
54	Surface Roughness Modulates Diffusion and Fibrillation of Amyloid- β Peptide. <i>Langmuir</i> , 2016, 32, 8238-8244.	3.5	53

#	ARTICLE	IF	CITATIONS
55	Additives Induced Structural Transformation of ABC Triblock Copolymer Particles. <i>Langmuir</i> , 2015, 31, 10975-10982.	3.5	51
56	Recent advances in covalent functionalization of carbon nanomaterials with polymers: Strategies and perspectives. <i>Journal of Polymer Science Part A</i> , 2017, 55, 622-631.	2.3	49
57	Cyclophosphazene-based hybrid polymer electrolytes obtained via epoxy-amine reaction for high-performance all-solid-state lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18871-18879.	10.3	48
58	Development of Direct-Laser-Printable Light-Powered Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19541-19553.	8.0	48
59	Lewis pair catalyzed highly selective polymerization for the one-step synthesis of A ₃ B ₂ C ₂ (AB) ₂ C ₂ A ₃ pentablock terpolymers. <i>Polymer Chemistry</i> , 2020, 11, 1691-1695.	3.9	44
60	Lithium Salt-Induced In Situ Living Radical Polymerizations Enable Polymer Electrolytes for Lithium-Ion Batteries. <i>Macromolecules</i> , 2021, 54, 874-887.	4.8	44
61	Robust multi-responsive supramolecular hydrogel based on a mono-component host-guest gelator. <i>Soft Matter</i> , 2018, 14, 5213-5221.	2.7	43
62	Ultralow-Carbon Nanotube-Toughened Epoxy: The Critical Role of a Double-Layer Interface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1204-1216.	8.0	42
63	Oxygen-Triggered Switchable Polymerization for the One-Pot Synthesis of CO ₂ -Based Block Copolymers from Monomer Mixtures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14311-14318.	13.8	41
64	Poly(μ -caprolactone)-block-poly(ethylene glycol)-block-poly(μ -caprolactone)-based hybrid polymer electrolyte for lithium metal batteries. <i>Journal of Membrane Science</i> , 2020, 607, 118132.	8.2	41
65	Efficient 3D printing via photooxidation of ketocoumarin based photopolymerization. <i>Nature Communications</i> , 2021, 12, 2873.	12.8	41
66	Deep eutectic solvents for green and efficient iron-mediated ligand-free atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2017, 8, 1616-1627.	3.9	40
67	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surface-initiated RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 467-484.	2.3	39
68	Structural Transformation of Diblock Copolymer/Homopolymer Assemblies by Tuning Cylindrical Confinement and Interfacial Interactions. <i>Langmuir</i> , 2015, 31, 12354-12361.	3.5	39
69	Air-stable means more: designing air-defendable lithium metals for safe and stable batteries. <i>Materials Horizons</i> , 2020, 7, 2619-2634.	12.2	37
70	High modulus and low-voltage driving nematic liquid-crystalline physical gels for light-scattering displays. <i>Soft Matter</i> , 2013, 9, 7718.	2.7	35
71	Wholly Visible-Light-Responsive Host-Guest Supramolecular Gels Based on Methoxy Azobenzene and β -Cyclodextrin Dimers. <i>Langmuir</i> , 2020, 36, 7408-7417.	3.5	34
72	Highly thermally conductive yet mechanically robust composites with nacre-mimetic structure prepared by evaporation-induced self-assembly approach. <i>Chemical Engineering Journal</i> , 2021, 405, 126865.	12.7	34

#	ARTICLE	IF	CITATIONS
73	Judicious selection of bifunctional molecules to chemically modify graphene for improving nanomechanical and thermal properties of polymer composites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20038-20047.	10.3	33
74	Antioxidant Activity of Chinese Shanxi Aged Vinegar and Its Correlation with Polyphenols and Flavonoids During the Brewing Process. <i>Journal of Food Science</i> , 2017, 82, 2479-2486.	3.1	33
75	Noncovalent engineering of carbon nanotube surface by imidazolium ionic liquids: A promising strategy for enhancing thermal conductivity of epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 125, 105517.	7.6	33
76	Scalable Approach to Construct Self-Assembled Graphene-Based Films with An Ordered Structure for Thermal Management. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41690-41698.	8.0	32
77	Porous polymer electrolyte based on poly(vinylidene fluoride)/comb-like polystyrene via ionic band functionalization. <i>Journal of Membrane Science</i> , 2018, 564, 663-671.	8.2	32
78	Composite Lithium Metal Anodes with Lithiophilic and Low-Tortuosity Scaffold Enabling Ultrahigh Currents and Capacities in Carbonate Electrolytes. <i>Advanced Functional Materials</i> , 2021, 31, 2009961.	14.9	32
79	Classical photopolymerization kinetics, exceptional gelation, and improved diffraction efficiency and driving voltage in scaffolding morphological H-PDLCs afforded using a photoinitiator. <i>Polymer Chemistry</i> , 2015, 6, 8259-8269.	3.9	31
80	The generation of polymeric nano-bowls through 3D confined assembly and disassembly. <i>Soft Matter</i> , 2016, 12, 3683-3687.	2.7	31
81	Synthesis, thermal stability and photoresponsive behaviors of azobenzene-tethered polyhedral oligomeric silsesquioxanes. <i>New Journal of Chemistry</i> , 2011, 35, 2781.	2.8	30
82	UV-curable boron nitride nanosheet/ionic liquid-based crosslinked composite polymer electrolyte in lithium metal batteries. <i>Journal of Power Sources</i> , 2019, 414, 283-292.	7.8	30
83	Effects of selective distribution of alumina micro-particles on rheological, mechanical and thermal conductive properties of asphalt/SBS/alumina composites. <i>Composites Science and Technology</i> , 2020, 186, 107917.	7.8	30
84	Photomechanically Controlled Encapsulation and Release from pH-Responsive and Photoresponsive Microcapsules. <i>Langmuir</i> , 2015, 31, 5456-5463.	3.5	29
85	Dual-Functional Interlayer Based on Radially Oriented Ultrathin MoS ₂ Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 1702-1711.	5.1	29
86	Iron-mediated AGET ATRP of methyl methacrylate in the presence of polar solvents as ligands. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1020-1027.	2.3	28
87	Self-Assembly of Shaped Nanoparticles into Free-Standing 2D and 3D Superlattices. <i>Small</i> , 2016, 12, 499-505.	10.0	28
88	Well-structured holographic polymer dispersed liquid crystals by employing acrylamide and doping ZnS nanoparticles. <i>Materials Chemistry Frontiers</i> , 2017, 1, 294-303.	5.9	28
89	Insight into glass transition of cellulose based on direct thermal processing after plasticization by ionic liquid. <i>Cellulose</i> , 2015, 22, 89-99.	4.9	27
90	Reversible photo-responsive gel-sol transitions of robust organogels based on an azobenzene-containing main-chain liquid crystalline polymer. <i>RSC Advances</i> , 2020, 10, 3726-3733.	3.6	27

#	ARTICLE	IF	CITATIONS
91	Orthogonal Reconstruction of Upconversion and Holographic Images for Anticounterfeiting Based on Energy Transfer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19159-19167.	8.0	27
92	Solid polymer electrolyte based on ionic bond or covalent bond functionalized silica nanoparticles. <i>RSC Advances</i> , 2017, 7, 54986-54994.	3.6	26
93	Interfacial AIE for Orthogonal Integration of Holographic and Fluorescent Dual-Responsive Thermosensitive Images. <i>Advanced Science</i> , 2022, 9, e2105903.	11.2	26
94	Robust polyazobenzene microcapsules with photoresponsive pore channels and tunable release profiles. <i>European Polymer Journal</i> , 2012, 48, 41-48.	5.4	25
95	Iron-catalyzed AGET ATRP of methyl methacrylate using an alcohol as a reducing agent in a polar solvent. <i>Dalton Transactions</i> , 2014, 43, 16528-16533.	3.3	25
96	Grafting Polytetrafluoroethylene Micropowder via in Situ Electron Beam Irradiation-Induced Polymerization. <i>Polymers</i> , 2018, 10, 503.	4.5	25
97	Liquid Crystalline Nanocolloids for the Storage of Electro-Optic Responsive Images. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8612-8624.	8.0	25
98	Visible light-triggered gel-to-sol transition in halogen-bond-based supramolecules. <i>Soft Matter</i> , 2019, 15, 6411-6417.	2.7	24
99	Highly Luminescent Liquid Crystals in Aggregation Based on Platinum(II) Complexes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53058-53066.	8.0	23
100	Cobalt-Mediated Switchable Catalysis for the One-Pot Synthesis of Cyclic Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16974-16979.	13.8	23
101	Highly diffractive, reversibly fast responsive gratings formulated through holography. <i>RSC Advances</i> , 2014, 4, 4420-4426.	3.6	22
102	The enhanced actuation response of an ionic polymer-metal composite actuator based on sulfonated polyphenylsulfone. <i>Polymer Chemistry</i> , 2014, 5, 6097-6107.	3.9	22
103	Photo-switch and INHIBIT logic gate based on two pyrazolone thiosemicarbazone derivatives. <i>New Journal of Chemistry</i> , 2009, 33, 2232.	2.8	21
104	Precisely Tuning Helical Twisting Power via Photoisomerization Kinetics of Dopants in Chiral Nematic Liquid Crystals. <i>Langmuir</i> , 2018, 34, 700-708.	3.5	21
105	Bromoalkyl ATRP initiator activation by inorganic salts: experiments and computations. <i>Polymer Chemistry</i> , 2019, 10, 2376-2386.	3.9	21
106	Switchable Polymerization Triggered by Fast and Quantitative Insertion of Carbon Monoxide into Cobalt-Oxygen Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5988-5994.	13.8	21
107	Development of ionic liquid-based electroactive polymer composites using nanotechnology. <i>Nanotechnology Reviews</i> , 2021, 10, 99-116.	5.8	21
108	Comb-shaped anion exchange membrane to enhance phosphoric acid purification by electro-electrodialysis. <i>Journal of Membrane Science</i> , 2019, 573, 64-72.	8.2	20

#	ARTICLE	IF	CITATIONS
109	Evaluation of Nutritional Compositions, Bioactive Compounds, and Antioxidant Activities of Shanxi Aged Vinegars During the Aging Process. <i>Journal of Food Science</i> , 2018, 83, 2638-2644.	3.1	19
110	Holographic polymer nanocomposites with simultaneously boosted diffraction efficiency and upconversion photoluminescence. <i>Composites Science and Technology</i> , 2019, 181, 107705.	7.8	19
111	Photomodulated Morphologies in Halogen Bond-Driven Assembly during Gel-Sol Transition. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1800629.	3.9	19
112	Facile Fabrication of Polymer Electrolytes via Lithium Salt-Accelerated Thiol-Michael Addition for Lithium-Ion Batteries. <i>Macromolecules</i> , 2020, 53, 7450-7459.	4.8	19
113	Holographic polymer nanocomposites with ordered structures and improved electro-optical performance by doping POSS. <i>Composites Part B: Engineering</i> , 2019, 174, 107045.	12.0	18
114	Monochromatic Photoinitiator-Mediated Holographic Photopolymer Electrolytes for Lithium-Ion Batteries. <i>Advanced Science</i> , 2019, 6, 1900205.	11.2	18
115	A triple-stimuli responsive supramolecular hydrogel based on methoxy-azobenzene-grafted poly(acrylic acid) and β -cyclodextrin dimer. <i>Polymer</i> , 2021, 221, 123617.	3.8	18
116	Anatase/rutile titania anchored carbon nanotube porous nanocomposites as superior anodes for lithium ion batteries. <i>CrystEngComm</i> , 2016, 18, 4489-4494.	2.6	17
117	Effect of ketyl radical on the structure and performance of holographic polymer/liquid-crystal composites. <i>Science China Materials</i> , 2019, 62, 1921-1933.	6.3	17
118	Visible Light Rewritable and Long-Lived Colors in Cholesteric Liquid Crystals: A Facile Co-Doping Strategy. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900037.	3.9	17
119	Amide group-containing polar solvents as ligands for iron-catalyzed atom transfer radical polymerization of methyl methacrylate. <i>RSC Advances</i> , 2015, 5, 43724-43732.	3.6	16
120	Bio-inspired stem-like composites based on highly aligned SiC nanowires. <i>Chemical Engineering Journal</i> , 2020, 389, 123466.	12.7	16
121	Noncovalent immobilization of pyrene-terminated hyperbranched triazole-based polymeric ionic liquid onto graphene for highly active and recyclable catalysis of CO ₂ /epoxide cycloaddition. <i>Catalysis Science and Technology</i> , 2017, 7, 4173-4181.	4.1	15
122	Liquid Crystals under Confinement in Submicrometer Capsules. <i>Langmuir</i> , 2018, 34, 10955-10963.	3.5	15
123	FeBr ₂ -Catalyzed Bulk ATRP Promoted by Simple Inorganic Salts. <i>Macromolecules</i> , 2019, 52, 5366-5376.	4.8	15
124	A Porphyrinic Donor-Acceptor Conjugated Porous Polymer as Highly Efficient Photocatalyst for PET-RAFT Polymerization. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200173.	3.9	15
125	Formation of hybrid core-shell microgels induced by autonomous unidirectional migration of nanoparticles. <i>Materials Horizons</i> , 2016, 3, 78-82.	12.2	14
126	Photomodulated Electro-optical Response in Self-Supporting Liquid Crystalline Physical Gels. <i>Langmuir</i> , 2018, 34, 7519-7526.	3.5	14

#	ARTICLE	IF	CITATIONS
127	Holographic polymer nanocomposites with both high diffraction efficiency and bright upconversion emission by incorporating liquid crystals and core-shell structured upconversion nanoparticles. <i>Composites Part B: Engineering</i> , 2020, 199, 108290.	12.0	14
128	Polymer-organic hybrid microparticles with hierarchical structures formed by interfacial instabilities of emulsion droplets. <i>Soft Matter</i> , 2012, 8, 2697.	2.7	13
129	A One-Step Route to CO ₂ -Based Block Copolymers by Simultaneous ROCOP of CO ₂ /Epoxides and RAFT Polymerization of Vinyl Monomers. <i>Angewandte Chemie</i> , 2018, 130, 3655-3659.	2.0	13
130	Chirality-Enabled Liquid Crystalline Physical Gels with High Modulus but Low Driving Voltage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43184-43191.	8.0	13
131	Performance and Reliability Improvement under High Current Densities in Black Phosphorus Transistors by Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1587-1594.	8.0	13
132	Intrinsically Visible Light-Responsive Liquid Crystalline Physical Gels Driven by a Halogen Bond. <i>Langmuir</i> , 2020, 36, 11873-11879.	3.5	13
133	Chain-length effect on binary superlattices of polymer-tethered nanoparticles. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2089-2095.	5.9	13
134	Z/E Effect on Phase Behavior of Main-Chain Liquid Crystalline Polymers Bearing AlEgens. <i>Macromolecules</i> , 2021, 54, 10740-10749.	4.8	13
135	Interface Engineering via Photopolymerization-Induced Phase Separation for Flexible UV-Responsive Phototransistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7487-7496.	8.0	12
136	Morphology and rheology of PP/POE blends in high shear stress field. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 1263-1280.	4.2	12
137	In-situ shear exfoliation and thermal conductivity of SBS/Graphite nanoplatelet nanocomposites. <i>Composites Part B: Engineering</i> , 2020, 197, 108172.	12.0	12
138	One-Pot Synthesis of Polyester-Based Linear and Graft Copolymers for Solid Polymer Electrolytes. <i>CCS Chemistry</i> , 2022, 4, 3134-3149.	7.8	12
139	Deep-Red Emissive Squaraine-AlEgen in Elastomer Enabling High Contrast and Fast Thermoresponse for Anti-Counterfeiting and Temperature Sensing**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	12
140	Concurrent Solution-Like Decoloration Rate and High Mechanical Strength from Polymer-Dispersed Photochromic Organogel. <i>Macromolecular Rapid Communications</i> , 2014, 35, 741-746.	3.9	11
141	Low-voltage-driven and highly-diffractive holographic polymer dispersed liquid crystals with spherical morphology. <i>RSC Advances</i> , 2017, 7, 51847-51857.	3.6	11
142	Epoxy/ionic liquid-like MWCNTs composites with improved processability and mechanical properties. <i>Composites Communications</i> , 2019, 15, 46-52.	6.3	11
143	Nacre-inspired Polymer Nanocomposites with High-performance and Multifunctional Properties Realized by a Facile Evaporation-induced Self-assembly Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19787-19798.	6.7	11
144	Hydrogen bond driven self-supporting organogels from main-chain liquid crystalline polymers. <i>Polymer</i> , 2020, 188, 122148.	3.8	11

#	ARTICLE	IF	CITATIONS
145	Ion-selective aramid nanofiber-based Janus separators fabricated by a dry-wet phase inversion approach for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5317-5327.	10.3	11
146	Synthesis and photo-responsive behaviors of hollow polyazobenzene micro-spheres. <i>Science Bulletin</i> , 2010, 55, 3441-3447.	1.7	10
147	Oxygen-triggered Switchable Polymerization for the One-Pot Synthesis of CO ₂ -Based Block Copolymers from Monomer Mixtures. <i>Angewandte Chemie</i> , 2019, 131, 14449-14456.	2.0	9
148	Insights into molecular packing effects on the emission properties of fluorenone-based molecules in the aggregate state. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13687-13696.	5.5	9
149	Light regulation and long-lived stability of RGB colors in cholesteric liquid crystal physical gels via a mixing strategy. <i>Soft Matter</i> , 2021, 17, 3216-3221.	2.7	9
150	Aluminum Porphyrin Complex Mediated Auto-Tandem Catalysis for One-Pot Synthesis of Block Copolymers. <i>CCS Chemistry</i> , 2022, 4, 122-131.	7.8	9
151	Ligand- and solvent-free ATRP of MMA with FeBr ₃ and inorganic salts. <i>Polymer Chemistry</i> , 2020, 11, 1375-1385.	3.9	8
152	Crosstalk-Free Patterning of Cooperative Thermoresponse Images by the Synergy of the AIEgen with the Liquid Crystal. <i>Angewandte Chemie</i> , 2020, 132, 10152-10158.	2.0	8
153	Crystal-Like Polymer Microdiscs. <i>Macromolecules</i> , 2015, 48, 5944-5950.	4.8	7
154	Switchable Polymerization Triggered by Fast and Quantitative Insertion of Carbon Monoxide into Cobalt-Oxygen Bonds. <i>Angewandte Chemie</i> , 2020, 132, 6044-6050.	2.0	7
155	Rewritable Polymer Films Based on Topo-Polymerization of Diacetylenes in Poly(Propylene Carbonate). <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5902-5909.	6.7	7
156	Cobalt-Mediated Switchable Catalysis for the One-Pot Synthesis of Cyclic Polymers. <i>Angewandte Chemie</i> , 2021, 133, 17111-17116.	2.0	7
157	Configuration-Dependent Liquid Crystal and Gel Behaviors of Tetraphenylethene-Containing Main-Chain Copolyesters. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200154.	3.9	7
158	Control on self-assembly structures of rod-coil-rod (PANI) ₉₈ -(PEG) ₁₃₆ -(PANI) ₉₈ triblock copolymer. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 85-88.	0.6	6
159	Synthesis of poly(<i>n</i> -butyl acrylate) homopolymer and poly(styrene- <i>b</i> - <i>n</i> -butyl) Tj ETQq1 1 0.784314 rgBT /Dv <i>Journal of Polymer Science Part A</i> , 2016, 54, 611-620.	2.3	6
160	Initiator-free atom transfer radical polymerization of methyl methacrylate based on FeBr ₃ (PPh ₃) ₃ system. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3842-3850.	2.3	6
161	Efficient thermal management of lithium-sulfur batteries by highly thermally conductive LBL-assembled composite separators. <i>Electrochimica Acta</i> , 2022, 407, 139807.	5.2	5
162	Living radical polymerization of vinyl acetate mediated by iron(III) acetylacetonate in the presence of a reducing agent. <i>RSC Advances</i> , 2015, 5, 96345-96352.	3.6	4

#	ARTICLE	IF	CITATIONS
163	EFFECTS OF DIFFERENT ALCOHOLS ON PHOTOPOLYMERIZATION KINETICS, ELECTRO-OPTICAL PERFORMANCES OF POLYMER DISPERSED LIQUID CRYSTALS. <i>Acta Polymerica Sinica</i> , 2012, 012, 41-46.	0.0	4
164	Evaluation of impact damage tolerance in carbon fabric/epoxy-matrix composites by electrical resistance measurement. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 484-488.	1.0	3
165	Active, effective, and "green"-iron(III)/polar solvent catalysts for AGET ATRP of methyl methacrylate with various morphologies of elemental silver as a reducing agent. <i>RSC Advances</i> , 2016, 6, 88490-88497.	3.6	3
166	Peanut-Like Crystals in Polycarbonate/Plasticizer Blends. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600471.	2.2	3
167	Photopatterning of Carbon Dots in Poly(vinyl alcohol) with Photoacid Generators. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100868.	3.9	3
168	Preparative optimization of cellulose microspheres applied as supports for high-performance liquid chromatography. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 460-466.	1.0	2
169	Lithium-Metal Batteries: Polycationic Polymer Layer for Air-Stable and Dendrite-Free Li Metal Anodes in Carbonate Electrolytes (<i>Adv. Mater.</i> 12/2021). <i>Advanced Materials</i> , 2021, 33, 2170087.	21.0	2
170	MoS ₂ Decorated Silver Nanowire-Reduced Graphene Oxide Aerogel Micro-Particle for Thermally Conductive Polymer Composites with Enhanced Flame Retardancy. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200026.	3.9	2
171	Helix Induction and Inversion of Polymeric Foldamer Regulated by the Single Enantiomers. <i>Macromolecular Rapid Communications</i> , 2022, , 2200238.	3.9	2
172	Block Copolymer Capsules with Structure-Dependent Release Behavior. <i>Angewandte Chemie</i> , 2016, 128, 14853-14857.	2.0	1
173	Nano-silica enhanced liquid-crystalline composite gels. <i>Chinese Science Bulletin</i> , 2016, 61, 2155-2162.	0.7	1
174	Removal of Metal Ions in Phosphoric Acid by Electro-Electrodialysis with Cross-Linked Anion-Exchange Membranes. <i>ACS Omega</i> , 2021, 6, 32417-32430.	3.5	1
175	Towards a consistent methodology for testing the electromechanical performance of strip polymer composite actuators. <i>Polymer Testing</i> , 2022, 106, 107463.	4.8	1