

Chaoyang Wang

List of Publications by Year in descending order

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187
papers

9,136
citations

30047

54
h-index

54882

84
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192
all docs

192
docs citations

192
times ranked

10656
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous self-healing of poly(acrylic acid) hydrogels induced by the migration of ferric ions. <i>Polymer Chemistry</i> , 2013, 4, 4601.	1.9	242
2	Simple, Reversible Emulsion System Switched by pH on the Basis of Chitosan without Any Hydrophobic Modification. <i>Langmuir</i> , 2012, 28, 11017-11024.	1.6	225
3	Multiphase surface growth of hydrophobic ZIF-8 on melamine sponge for excellent oil/water separation and effective catalysis in a Knoevenagel reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3258-3263.	5.2	202
4	Combination of adsorption by porous CaCO ₃ microparticles and encapsulation by polyelectrolyte multilayer films for sustained drug delivery. <i>International Journal of Pharmaceutics</i> , 2006, 308, 160-167.	2.6	193
5	Dual Physically Cross-Linked Hydrogels with High Stretchability, Toughness, and Good Self-Recoverability. <i>Macromolecules</i> , 2016, 49, 5660-5668.	2.2	191
6	Nitrogen-Rich and Fire-Resistant Carbon Aerogels for the Removal of Oil Contaminants from Water. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6351-6360.	4.0	178
7	A Quadruple-Hydrogen-Bonded Supramolecular Binder for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>Small</i> , 2018, 14, e1801189.	5.2	171
8	Alkaline lignin extracted from furfural residues for pH-responsive Pickering emulsions and their recyclable polymerization. <i>Green Chemistry</i> , 2012, 14, 3230.	4.6	159
9	Fabrication of Hierarchical Macroporous Biocompatible Scaffolds by Combining Pickering High Internal Phase Emulsion Templates with Three-Dimensional Printing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22950-22958.	4.0	145
10	Multilayer composite microcapsules synthesized by Pickering emulsion templates and their application in self-healing coating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13749-13757.	5.2	143
11	Thermoresponsive Melamine Sponges with Switchable Wettability by Interface-Initiated Atom Transfer Radical Polymerization for Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8967-8974.	4.0	138
12	Lignin-based Pickering HIPEs for macroporous foams and their enhanced adsorption of copper(ii) ions. <i>Chemical Communications</i> , 2013, 49, 7144.	2.2	136
13	Chitosan nanoparticles as particular emulsifier for preparation of novel pH-responsive Pickering emulsions and PLGA microcapsules. <i>Polymer</i> , 2012, 53, 1229-1235.	1.8	134
14	Multifunctional foams derived from poly(melamine formaldehyde) as recyclable oil absorbents. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9994-9999.	5.2	134
15	Lithiophilic Zn Sites in Porous CuZn Alloy Induced Uniform Li Nucleation and Dendrite-free Li Metal Deposition. <i>Nano Letters</i> , 2020, 20, 2724-2732.	4.5	134
16	Hydrodynamically Driven Self-Assembly of Giant Vesicles of Metal Nanoparticles for Remote-Controlled Release. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2463-2468.	7.2	118
17	New loading process and release properties of insulin from polysaccharide microcapsules fabricated through layer-by-layer assembly. <i>Journal of Controlled Release</i> , 2006, 112, 79-87.	4.8	117
18	Facile Fabrication of Poly(l-lactic Acid)-Grafted Hydroxyapatite/Poly(l-lactic acid)-glycolic Acid Scaffolds by Pickering High Internal Phase Emulsion Templates. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17166-17175.	4.0	114

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19	Renewable Lignin-Based Xerogels with Self-Cleaning Properties and Superhydrophobicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1729-1733.	3.2	103
20	Fabrication of Graphene-Based Xerogels for Removal of Heavy Metal Ions and Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1056-1065.	3.2	103
21	Oil Absorbents Based on Melamine/Lignin by a Dip Adsorbing Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3012-3018.	3.2	103
22	Alginate-calcium carbonate porous microparticle hybrid hydrogels with versatile drug loading capabilities and variable mechanical strengths. <i>Carbohydrate Polymers</i> , 2008, 71, 476-480.	5.1	101
23	Magnetic hydrogels with supracolloidal structures prepared by suspension polymerization stabilized by Fe ₂ O ₃ nanoparticles. <i>Acta Biomaterialia</i> , 2010, 6, 275-281.	4.1	100
24	Deposition temperature effect on release rate of indomethacin microcrystals from microcapsules of layer-by-layer assembled chitosan and alginate multilayer films. <i>Journal of Controlled Release</i> , 2005, 106, 319-328.	4.8	99
25	Pickering emulsion-based fabrication of epoxy and amine microcapsules for dual core self-healing coating. <i>Composites Science and Technology</i> , 2016, 133, 51-59.	3.8	99
26	Suspension polymerization based on inverse Pickering emulsion droplets for thermo-sensitive hybrid microcapsules with tunable supracolloidal structures. <i>Polymer</i> , 2009, 50, 2587-2594.	1.8	91
27	Versatile Fabrication of Nanocomposite Microcapsules with Controlled Shell Thickness and Low Permeability. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2495-2502.	4.0	90
28	Dynamic Supramolecular Hydrogels: Regulating Hydrogel Properties through Self-Complementary Quadruple Hydrogen Bonds and Thermo-Switch. <i>ACS Macro Letters</i> , 2017, 6, 641-646.	2.3	90
29	Spontaneous repairing liquid metal/Si nanocomposite as a smart conductive-additive-free anode for lithium-ion battery. <i>Nano Energy</i> , 2018, 50, 359-366.	8.2	89
30	Low Chemically Cross-Linked PAM/C-Dot Hydrogel with Robustness and Superstretchability in Both As-Prepared and Swelling Equilibrium States. <i>Macromolecules</i> , 2016, 49, 3174-3183.	2.2	87
31	Multilayer nanocapsules of polysaccharide chitosan and alginate through layer-by-layer assembly directly on PS nanoparticles for release. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005, 16, 909-923.	1.9	86
32	500 Wh kg ⁻¹ Class Li Metal Battery Enabled by a Self-Organized Core-Shell Composite Anode. <i>Advanced Materials</i> , 2020, 32, e2004793.	11.1	86
33	Fabrication of drug-loaded biodegradable microcapsules for controlled release by combination of solvent evaporation and layer-by-layer self-assembly. <i>International Journal of Pharmaceutics</i> , 2007, 338, 165-173.	2.6	84
34	Fabrication of novel core-shell hybrid alginate hydrogel beads. <i>International Journal of Pharmaceutics</i> , 2008, 351, 104-112.	2.6	83
35	Exploring porous zeolitic imidazolate framework-8 (ZIF-8) as an efficient filler for high-performance poly(ethyleneoxide)-based solid polymer electrolytes. <i>Nano Research</i> , 2020, 13, 2259-2267.	5.8	82
36	Facile fabrication of graphene-polypyrrole-Mn composites as high-performance electrodes for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5866-5874.	5.2	79

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37	Facile fabrication of nanocomposite microspheres with polymer cores and magnetic shells by Pickering suspension polymerization. <i>Reactive and Functional Polymers</i> , 2009, 69, 750-754.	2.0	78
38	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , 2020, 20, 4029-4037.	4.5	78
39	Synergistic stabilization and tunable structures of Pickering high internal phase emulsions by nanoparticles and surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 1-9.	2.3	77
40	Facile preparation of bioactive nanoparticle/poly(μ -caprolactone) hierarchical porous scaffolds via 3D printing of high internal phase Pickering emulsions. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 104-115.	5.0	76
41	Self-Healing Gelatin Hydrogels Cross-Linked by Combining Multiple Hydrogen Bonding and Ionic Coordination. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700018.	2.0	74
42	Flexible polyimides through one-pot synthesis as water-soluble binders for silicon anodes in lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 379, 26-32.	4.0	69
43	Novel Lignin-Derived Water-Soluble Binder for Micro Silicon Anode in Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12621-12629.	3.2	68
44	Glycinamide modified polyacrylic acid as high-performance binder for silicon anodes in lithium-ion batteries. <i>Journal of Power Sources</i> , 2018, 406, 102-109.	4.0	66
45	Hybrid hydrogel sheets that undergo pre-programmed shape transformations. <i>Soft Matter</i> , 2014, 10, 8157-8162.	1.2	65
46	Integrated design of ultrathin crosslinked network polymer electrolytes for flexible and stable all-solid-state lithium batteries. <i>Energy Storage Materials</i> , 2022, 47, 453-461.	9.5	63
47	Emulsion-Templated Liquid Core-Polymer Shell Microcapsule Formation. <i>Langmuir</i> , 2009, 25, 2572-2574.	1.6	62
48	Growth of lightly crosslinked PHEMA brushes and capsule formation using pickering emulsion interface-initiated ATRP. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1354-1367.	2.5	61
49	Hierarchical porous polymeric microspheres as efficient adsorbents and catalyst scaffolds. <i>Chemical Communications</i> , 2013, 49, 8761.	2.2	60
50	Mineralization and drug release of hydroxyapatite/poly(L-lactic acid) nanocomposite scaffolds prepared by Pickering emulsion templating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 559-565.	2.5	60
51	PVA/Carbon Dot Nanocomposite Hydrogels for Simple Introduction of Ag Nanoparticles with Enhanced Antibacterial Activity. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1352-1362.	1.7	60
52	A robust aqueous-processable polymer binder for long-life, high-performance lithium sulfur battery. <i>Energy Storage Materials</i> , 2019, 21, 61-68.	9.5	58
53	High tensibility and pH-responsive swelling of nanocomposite hydrogels containing the positively chargeable 2-(dimethylamino)ethyl methacrylate monomer. <i>Reactive and Functional Polymers</i> , 2010, 70, 267-271.	2.0	57
54	Multifunctional, robust sponges by a simple adsorption-combustion method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5875-5881.	5.2	57

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55	Ultralight, robustly compressible and super-hydrophobic biomass-decorated carbonaceous melamine sponge for oil/water separation with high oil retention. <i>Applied Surface Science</i> , 2019, 489, 922-929.	3.1	57
56	Facile preparation of artemisia argyi oil-loaded antibacterial microcapsules by hydroxyapatite-stabilized Pickering emulsion templating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 96-102.	2.5	56
57	Fabrication of mesoporous graphene electrodes with enhanced capacitive deionization. <i>Electrochimica Acta</i> , 2015, 182, 183-191.	2.6	56
58	Surface modification of melamine sponges for pH-responsive oil absorption and desorption. <i>Applied Surface Science</i> , 2017, 416, 798-804.	3.1	56
59	Fabrication of Inverse Opal via Ordered Highly Charged Colloidal Spheres. <i>Langmuir</i> , 2002, 18, 9116-9120.	1.6	55
60	One-Pot Fabrication of a Novel Agar-Polyacrylamide/Graphene Oxide Nanocomposite Double Network Hydrogel with High Mechanical Properties. <i>Advanced Engineering Materials</i> , 2016, 18, 1799-1807.	1.6	55
61	Pickering high internal phase emulsion-based hydroxyapatite-poly(μ -caprolactone) nanocomposite scaffolds. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3848-3857.	2.9	54
62	Rapid cell sheet detachment from alginate semi-interpenetrating nanocomposite hydrogels of PNIPAM and hectorite clay. <i>Reactive and Functional Polymers</i> , 2011, 71, 447-454.	2.0	52
63	A self-healing polymeric material: from gel to plastic. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11049.	5.2	52
64	Enhanced Resistance of Polyelectrolyte Multilayer Microcapsules to Pepsin Erosion and Release Properties of Encapsulated Indomethacin. <i>Biomacromolecules</i> , 2007, 8, 1739-1744.	2.6	51
65	Vesicular Self-Assembly of Colloidal Amphiphiles in Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9746-9751.	4.0	51
66	Macroporous antibacterial hydrogels with tunable pore structures fabricated by using Pickering high internal phase emulsions as templates. <i>Polymer Chemistry</i> , 2014, 5, 4227-4234.	1.9	51
67	Aqueous-processable polymer binder with strong mechanical and polysulfide-trapping properties for high performance of lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18660-18668.	5.2	51
68	Fast deswelling and highly extensible poly(N-isopropylacrylamide)-hectorite clay nanocomposite cryogels prepared by freezing polymerization. <i>Polymer</i> , 2013, 54, 1846-1852.	1.8	50
69	Facile fabrication of well-defined hydrogel beads with magnetic nanocomposite shells. <i>International Journal of Pharmaceutics</i> , 2009, 376, 92-98.	2.6	49
70	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020, 395, 124981.	6.6	49
71	An Injectable Hydrogel with Excellent Self-Healing Property Based on Quadruple Hydrogen Bonding. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2172-2181.	1.1	48
72	Polyurethane-based nanoparticles as stabilizers for oil-in-water or water-in-oil Pickering emulsions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5353.	5.2	46

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73	Facile fabrication of biocompatible PLGA drug-carrying microspheres by O/W pickering emulsions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 91, 97-105.	2.5	45
74	Nitrogen-doped graphene composites as efficient electrodes with enhanced capacitive deionization performance. <i>RSC Advances</i> , 2014, 4, 63189-63199.	1.7	45
75	Chitosan scaffolds for recyclable adsorption of Cu(II) ions. <i>RSC Advances</i> , 2014, 4, 3864-3872.	1.7	44
76	Large amplitude oscillatory shear rheology for nonlinear viscoelasticity in hectorite suspensions containing poly(ethylene glycol). <i>Polymer</i> , 2011, 52, 1402-1409.	1.8	43
77	Green Design of Si/SiO ₂ /C Composites as High-Performance Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 3884-3892.	2.5	43
78	Dual nanocomposite multihollow polymer microspheres prepared by suspension polymerization based on a multiple pickering emulsion. <i>Polymer Chemistry</i> , 2010, 1, 75-77.	1.9	42
79	Facile fabrication of poly(L-lactic acid) microsphere-incorporated calcium alginate/hydroxyapatite porous scaffolds based on Pickering emulsion templates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 382-391.	2.5	41
80	Fabrication of Anion-Exchange Polymer Layered Graphene-Melamine Electrodes for Membrane Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 325-333.	3.2	41
81	Synthesis and micelle formation of triblock copolymers of poly(methyl methacrylate)-b-poly(ethylene glycol)-b-poly(L-lactic acid). <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , 2010, 48, 1078-1084.	2.6	40
82	Polyethylenimine and dithiocarbamate decorated melamine sponges for fast copper (II) ions removal from aqueous solution. <i>Applied Surface Science</i> , 2018, 445, 471-477.	3.1	40
83	Facile Fabrication of Hybrid Colloidosomes with Alginate Gel Cores and Shells of Porous CaCO ₃ Microparticles. <i>ChemPhysChem</i> , 2007, 8, 1157-1160.	1.0	39
84	Specific Anion Effects on the Growth of a Polyelectrolyte Multilayer in Single and Mixed Electrolyte Solutions Investigated with Quartz Crystal Microbalance. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9987-9993.	1.2	39
85	Hollow nanotubular clay composited comb-like methoxy poly(ethylene glycol) acrylate polymer as solid polymer electrolyte for lithium metal batteries. <i>Electrochimica Acta</i> , 2020, 340, 135995.	2.6	39
86	Tumor microenvironment-responsive, high internal phase Pickering emulsions stabilized by lignin/chitosan oligosaccharide particles for synergistic cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 352-362.	5.0	39
87	One-pot synthesis of photoluminescent carbon nanodots by carbonization of cyclodextrin and their application in Ag ⁺ detection. <i>RSC Advances</i> , 2014, 4, 62446-62452.	1.7	38
88	Facile fabrication of nanocomposite microcapsules by combining layer-by-layer self-assembly and Pickering emulsion templating. <i>RSC Advances</i> , 2014, 4, 16751-16758.	1.7	38
89	Fabrication of degradable polymer microspheres via pH-responsive chitosan-based Pickering emulsion photopolymerization. <i>RSC Advances</i> , 2014, 4, 29344-29351.	1.7	38
90	Self-Propelling Hydrogel/Emulsion-Hydrogel Soft Motors for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9413-9422.	4.0	37

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91	Fabrication of Tunable Janus Microspheres with Dual Anisotropy of Porosity and Magnetism. <i>Langmuir</i> , 2013, 29, 5138-5144.	1.6	36
92	Novel Nanocomposite Hydrogels Consisting of CÊDots with Excellent Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 1043-1048.	1.7	36
93	Magnesium-mechanochemical reduced SiO for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 407, 112-122.	4.0	36
94	A Triblock Copolymer Design Leads to Robust Hybrid Hydrogels for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36301-36310.	4.0	34
95	Bio-catalytic nanoparticles with urease immobilized in multilayer assembled through layer-by-layer technique. <i>Reactive and Functional Polymers</i> , 2005, 63, 85-94.	2.0	33
96	One-pot fabrication of magnetic nanocomposite microcapsules. <i>Materials Letters</i> , 2009, 63, 884-886.	1.3	33
97	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for LiÊS Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12799-12808.	3.2	33
98	Capsule clusters fabricated by polymerization based on capsule-in-water-in-oil Pickering emulsions. <i>Polymer Chemistry</i> , 2013, 4, 5407.	1.9	32
99	Functional nanoparticle-decorated graphene oxide sheets as stabilizers for Pickering high internal phase emulsions and graphene oxide based foam monoliths. <i>RSC Advances</i> , 2015, 5, 103394-103402.	1.7	32
100	Porous Ag/polymer composite microspheres for adsorption and catalytic degradation of organic dyes in aqueous solutions. <i>Composites Science and Technology</i> , 2015, 107, 137-144.	3.8	32
101	Simple fabrication of multi-functional melamine sponges. <i>Materials Letters</i> , 2017, 190, 119-122.	1.3	32
102	An efficient polymer coating for highly acid-stable zeolitic imidazolate frameworks based composite sponges. <i>Journal of Hazardous Materials</i> , 2020, 382, 121057.	6.5	32
103	Ambient-temperature fabrication of melamine-based sponges coated with hydrophobic lignin shells by surface dip adsorbing for oil/water separation. <i>RSC Advances</i> , 2016, 6, 106928-106934.	1.7	31
104	Synthesis of triblock copolymer polydopamine-polyacrylic-polyoxyethylene with excellent performance as a binder for silicon anode lithium-ion batteries. <i>RSC Advances</i> , 2018, 8, 4604-4609.	1.7	31
105	3D printing of Pickering emulsion inks to construct poly(D,L-lactide-co-trimethylene carbonate)-based porous bioactive scaffolds with shape memory effect. <i>Journal of Materials Science</i> , 2021, 56, 731-745.	1.7	31
106	Hollow magnetic Janus microspheres templated from double Pickering emulsions. <i>RSC Advances</i> , 2012, 2, 5510.	1.7	30
107	Halloysite nanotubes as particulate emulsifier: Preparation of biocompatible drugÊarrying PLGA microspheres based on pickering emulsion. <i>Journal of Applied Polymer Science</i> , 2012, 125, E358.	1.3	30
108	Surfactant-Free Multiple Pickering Emulsions Stabilized by Combining Hydrophobic and Hydrophilic Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 173-181.	1.3	30

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109	Highly Stretchable, Mechanically Strong, Tough, and Self-Recuperable Nanocomposite Hydrogels by Introducing Strong Ionic Coordination Interactions. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2717-2725.	1.1	30
110	Synthesis of silicon anode binders with ultra-high content of catechol groups and the effect of molecular weight on battery performance. <i>Journal of Power Sources</i> , 2020, 463, 228188.	4.0	30
111	Natural Cocoons Enabling Flexible and Stable Fabric Lithium-Sulfur Full Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 84.	14.4	30
112	Preferential Adsorption of Poly(ethylene glycol) on Hectorite Clay and Effects on Poly(N-isopropylacrylamide)/Hectorite Nanocomposite Hydrogels. <i>Langmuir</i> , 2010, 26, 4233-4238.	1.6	29
113	One-step synthesis of porous graphene-based hydrogels containing oil droplets for drug delivery. <i>RSC Advances</i> , 2014, 4, 3211-3218.	1.7	29
114	An <i>in situ</i> photopolymerized composite solid electrolyte from halloysite nanotubes and comb-like polycaprolactone for high voltage lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9826-9836.	5.2	29
115	Charge density threshold for LbL self-assembly and small molecule diffusion in polyelectrolyte multilayer films. <i>Polymer</i> , 2005, 46, 4958-4966.	1.8	27
116	Multihollow nanocomposite microspheres with tunable pore structures by templating Pickering double emulsions. <i>Reactive and Functional Polymers</i> , 2013, 73, 1231-1241.	2.0	27
117	Compressible nanowood/polymer composite adsorbents for wastewater purification applications. <i>Composites Science and Technology</i> , 2020, 198, 108320.	3.8	27
118	Mesomorphous Structure and Properties of Non-equimolar Complexes of Poly(Ethylenimine) and Perfluorooctanoic Acid. <i>Langmuir</i> , 2004, 20, 10737-10743.	1.6	25
119	Fe ₂ O ₃ nanoparticles as particulate emulsifier: Preparation of magnetic and biocompatible PLGA microcapsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 392, 116-123.	2.3	25
120	FeIII chelated organic anode with ultrahigh rate performance and ultra-long cycling stability for lithium-ion batteries. <i>Energy Storage Materials</i> , 2020, 24, 432-438.	9.5	25
121	Low-Cost and Environmentally Friendly Biopolymer Binders for Li-S Batteries. <i>Macromolecules</i> , 2020, 53, 8539-8547.	2.2	25
122	Transition metal oxides as lithium-free cathodes for solid-state lithium metal batteries. <i>Nano Energy</i> , 2020, 74, 104867.	8.2	25
123	Linear and nonlinear viscoelasticity of water-in-oil emulsions: Effect of droplet elasticity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 220-228.	2.3	24
124	Understanding the lithium dendrites growth in garnet-based solid-state lithium metal batteries. <i>Journal of Power Sources</i> , 2022, 521, 230921.	4.0	24
125	Poly(acrylamide) microgel-reinforced poly(acrylamide)/hectorite nanocomposite hydrogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 489, 1-8.	2.3	22
126	Novel multi-block conductive binder with polybutadiene for Si anodes in lithium-ion batteries. <i>Electrochimica Acta</i> , 2019, 315, 58-66.	2.6	22

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127	A three-dimensional crosslinked chitosan sulfate network binder for high-performance Li-S batteries. <i>Journal of Energy Chemistry</i> , 2021, 56, 171-178.	7.1	22
128	Graphene/cyclodextrin-based nanocomposite hydrogel with enhanced strength and thermo-responsive ability. <i>Carbohydrate Polymers</i> , 2017, 174, 804-811.	5.1	21
129	Exploiting Pulping Waste as an Ecofriendly Multifunctional Binder for Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8413-8418.	3.2	21
130	An ultrahigh-areal-capacity SiO _x negative electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2020, 464, 228244.	4.0	21
131	Significant Structure Change in Nonequimolar Complexes of Poly(ethylenimine) and Octadecanoic Acid Induced by Polymer Backbone Branching. <i>Macromolecules</i> , 2006, 39, 6552-6557.	2.2	20
132	Microcapsules for controlled release fabricated via layer-by-layer self-assembly of polyelectrolytes. <i>Journal of Experimental Nanoscience</i> , 2008, 3, 133-145.	1.3	20
133	Promoted cell proliferation and mechanical relaxation of nanocomposite hydrogels prepared in cell culture medium. <i>Reactive and Functional Polymers</i> , 2013, 73, 683-689.	2.0	20
134	Highly flexible polymer-carbon dot-ferric ion nanocomposite hydrogels displaying super stretchability, ultrahigh toughness, good self-recovery and shape memory performance. <i>European Polymer Journal</i> , 2017, 95, 482-490.	2.6	20
135	Emulsion Hydrogel Soft Motor Actuated by Thermal Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43211-43219.	4.0	20
136	Multifunctional Fluoroethylene Carbonate for Improving High-Temperature Performance of LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ SiO _x @Graphite Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 9989-10000.	2.5	19
137	Facile fabrication of polystyrene/halloysite nanotube microspheres with core-shell structure via Pickering suspension polymerization. <i>Polymer Bulletin</i> , 2012, 69, 765-777.	1.7	18
138	One-Pot Fabrication of Rattle-Like Capsules with Multicores by Pickering-Based Polymerization with Nanoparticle Nucleation. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1414-1418.	2.0	18
139	One-Pot Fabrication of Poly(ϵ -Caprolactone)-Incorporated Bovine Serum Albumin/Calcium Alginate/Hydroxyapatite Nanocomposite Scaffolds by High Internal Phase Emulsion Templates. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600367.	1.7	18
140	Novel Structure Change in Nonequimolar Complexes of Linear Poly(ethylenimine) and Octadecanoic Acid: Effects of Composition. <i>Macromolecules</i> , 2005, 38, 5675-5680.	2.2	17
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