

Chaoyang Wang

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186
papers

7,099
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48
h-index

73
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192
ext. papers

8,104
ext. citations

6.8
avg. IF

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L-index

#	Paper	IF	Citations
186	Autonomous self-healing of poly(acrylic acid) hydrogels induced by the migration of ferric ions. <i>Polymer Chemistry</i> , 2013 , 4, 4601	4.9	199
185	Simple, reversible emulsion system switched by pH on the basis of chitosan without any hydrophobic modification. <i>Langmuir</i> , 2012 , 28, 11017-24	4	181
184	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, 160-7	6.5	174
183	Dual Physically Cross-Linked Hydrogels with High Stretchability, Toughness, and Good Self-Recoverability. <i>Macromolecules</i> , 2016 , 49, 5660-5668	5.5	155
182	Nitrogen-rich and fire-resistant carbon aerogels for the removal of oil contaminants from water. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6351-60	9.5	154
181	Alkaline lignin extracted from furfural residues for pH-responsive Pickering emulsions and their recyclable polymerization. <i>Green Chemistry</i> , 2012 , 14, 3230	10	136
180	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	13	135
179	Lignin-based Pickering HIPEs for macroporous foams and their enhanced adsorption of copper(II) ions. <i>Chemical Communications</i> , 2013 , 49, 7144-6	5.8	120
178	A Quadruple-Hydrogen-Bonded Supramolecular Binder for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1801189	11	117
177	Chitosan nanoparticles as particular emulsifier for preparation of novel pH-responsive Pickering emulsions and PLGA microcapsules. <i>Polymer</i> , 2012 , 53, 1229-1235	3.9	116
176	Multifunctional foams derived from poly(melamine formaldehyde) as recyclable oil absorbents. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9994-9999	13	115
175	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	11.7	110
174	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	13	108
173	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	9.5	107
172	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	9.5	105
171	Hydrodynamically driven self-assembly of giant vesicles of metal nanoparticles for remote-controlled release. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2463-8	16.4	103
170	Facile fabrication of poly(L-lactic acid)-grafted hydroxyapatite/poly(lactic-co-glycolic acid) scaffolds by Pickering high internal phase emulsion templates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17166-75	9.5	99

169	Magnetic hydrogels with supracolloidal structures prepared by suspension polymerization stabilized by Fe(2)O(3) nanoparticles. <i>Acta Biomaterialia</i> , 2010 , 6, 275-81	10.8	94
168	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	8.3	90
167	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, 319-28	11.7	89
166	Renewable Lignin-Based Xerogels with Self-Cleaning Properties and Superhydrophobicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1729-1733	8.3	88
165	Alginate-calcium carbonate porous microparticle hybrid hydrogels with versatile drug loading capabilities and variable mechanical strengths. <i>Carbohydrate Polymers</i> , 2008 , 71, 476-480	10.3	88
164	Oil Absorbents Based on Melamine/Lignin by a Dip Adsorbing Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3012-3018	8.3	86
163	Suspension polymerization based on inverse Pickering emulsion droplets for thermo-sensitive hybrid microcapsules with tunable supracolloidal structures. <i>Polymer</i> , 2009 , 50, 2587-2594	3.9	82
162	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, 909-23	3.5	79
161	Versatile fabrication of nanocomposite microcapsules with controlled shell thickness and low permeability. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2495-502	9.5	78
160	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	8.6	77
159	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	4.6	72
158	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	5.5	72
157	Dynamic Supramolecular Hydrogels: Regulating Hydrogel Properties through Self-Complementary Quadruple Hydrogen Bonds and Thermo-Switch. <i>ACS Macro Letters</i> , 2017 , 6, 641-646	6.6	71
156	Fabrication of novel core-shell hybrid alginate hydrogel beads. <i>International Journal of Pharmaceutics</i> , 2008 , 351, 104-12	6.5	71
155	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, 165-73	6.5	68
154	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	17.1	64
153	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	5.1	63
152	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	13	59

151	Hierarchical porous polymeric microspheres as efficient adsorbents and catalyst scaffolds. <i>Chemical Communications</i> , 2013 , 49, 8761-3	5.8	56
150	Multifunctional, robust sponges by a simple adsorption-combustion method. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5875-5881	13	56
149	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	56
148	Emulsion-templated liquid core-polymer shell microcapsule formation. <i>Langmuir</i> , 2009 , 25, 2572-4	4	56
147	Hybrid hydrogel sheets that undergo pre-programmed shape transformations. <i>Soft Matter</i> , 2014 , 10, 8157-62	3.6	55
146	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	11.5	54
145	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	6	53
144	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	4.6	53
143	Facile preparation of bioactive nanoparticle/poly(ϵ -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	9.3	51
142	Self-Healing Gelatin Hydrogels Cross-Linked by Combining Multiple Hydrogen Bonding and Ionic Coordination. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700018	4.8	49
141	Fabrication of Inverse Opal via Ordered Highly Charged Colloidal Spheres. <i>Langmuir</i> , 2002 , 18, 9116-9120	4	49
140	500 Wh kg Class Li Metal Battery Enabled by a Self-Organized Core-Shell Composite Anode. <i>Advanced Materials</i> , 2020 , 32, e2004793	24	49
139	Pickering high internal phase emulsion-based hydroxyapatite-poly(ϵ -caprolactone) nanocomposite scaffolds. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3848-3857	7.3	48
138	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	6	48
137	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	3.5	48
136	Fabrication of mesoporous graphene electrodes with enhanced capacitive deionization. <i>Electrochimica Acta</i> , 2015 , 182, 183-191	6.7	47
135	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , 2020 , 20, 4029-4037	11.5	47
134	Enhanced resistance of polyelectrolyte multilayer microcapsules to pepsin erosion and release properties of encapsulated indomethacin. <i>Biomacromolecules</i> , 2007 , 8, 1739-44	6.9	47

133	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	8.3	47
132	Fast deswelling and highly extensible poly(N-isopropylacrylamide)-hectorite clay nanocomposite cryogels prepared by freezing polymerization. <i>Polymer</i> , 2013 , 54, 1846-1852	3.9	46
131	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	4.6	46
130	Facile fabrication of well-defined hydrogel beads with magnetic nanocomposite shells. <i>International Journal of Pharmaceutics</i> , 2009 , 376, 92-8	6.5	46
129	A self-healing polymeric material: from gel to plastic. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11049	13	43
128	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	8.9	42
127	Chitosan scaffolds for recyclable adsorption of Cu(II) ions. <i>RSC Advances</i> , 2014 , 4, 3864-3872	3.7	42
126	Vesicular self-assembly of colloidal amphiphiles in microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9746-51	9.5	42
125	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	8.9	42
124	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	13	41
123	Facile fabrication of biocompatible PLGA drug-carrying microspheres by O/W pickering emulsions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 91, 97-105	6	41
122	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	4.9	40
121	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	3.9	40
120	Surface modification of melamine sponges for pH-responsive oil absorption and desorption. <i>Applied Surface Science</i> , 2017 , 416, 798-804	6.7	39
119	Dual nanocomposite multihollow polymer microspheres prepared by suspension polymerization based on a multiple pickering emulsion. <i>Polymer Chemistry</i> , 2010 , 1, 75-77	4.9	39
118	Synthesis and micelle formation of triblock copolymers of poly(methyl methacrylate)-b-poly(ethylene oxide)-b-poly(methyl methacrylate) in aqueous solution. <i>European Polymer Journal</i> , 2007 , 43, 2799-2808	5.2	39
117	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	6.7	38
116	An Injectable Hydrogel with Excellent Self-Healing Property Based on Quadruple Hydrogen Bonding. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 2172-2181	2.6	38

115	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	13	38
114	Nitrogen-doped graphene composites as efficient electrodes with enhanced capacitive deionization performance. <i>RSC Advances</i> , 2014 , 4, 63189-63199	3.7	36
113	Large amplitude oscillatory shear rheology for nonlinear viscoelasticity in hectorite suspensions containing poly(ethylene glycol). <i>Polymer</i> , 2011 , 52, 1402-1409	3.9	36
112	Facile fabrication of hybrid colloidosomes with alginate gel cores and shells of porous CaCO ₃ microparticles. <i>ChemPhysChem</i> , 2007 , 8, 1157-60	3.2	36
111	A robust aqueous-processable polymer binder for long-life, high-performance lithium sulfur battery. <i>Energy Storage Materials</i> , 2019 , 21, 61-68	19.4	35
110	Facile fabrication of nanocomposite microcapsules by combining layer-by-layer self-assembly and Pickering emulsion templating. <i>RSC Advances</i> , 2014 , 4, 16751-16758	3.7	34
109	Fabrication of degradable polymer microspheres via pH-responsive chitosan-based Pickering emulsion photopolymerization. <i>RSC Advances</i> , 2014 , 4, 29344-29351	3.7	34
108	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	6	33
107	Fabrication of tunable Janus microspheres with dual anisotropy of porosity and magnetism. <i>Langmuir</i> , 2013 , 29, 5138-44	4	33
106	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, 9987-99	3.4	33
105	Fabrication of Anion-Exchange Polymer Layered Graphene/Melamine Electrodes for Membrane Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 325-333	8.3	32
104	Self-Propelling Hydrogel/Emulsion-Hydrogel Soft Motors for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9413-22	9.5	31
103	Novel Nanocomposite Hydrogels Consisting of C-Dots with Excellent Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 1043-1048	3.9	31
102	Bio-catalytic nanoparticles with urease immobilized in multilayer assembled through layer-by-layer technique. <i>Reactive and Functional Polymers</i> , 2005 , 63, 85-94	4.6	31
101	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	3.7	30
100	One-pot fabrication of magnetic nanocomposite microcapsules. <i>Materials Letters</i> , 2009 , 63, 884-886	3.3	30
99	Preferential adsorption of poly(ethylene glycol) on hectorite clay and effects on poly(N-isopropylacrylamide)/hectorite nanocomposite hydrogels. <i>Langmuir</i> , 2010 , 26, 4233-8	4	29
98	Hollow magnetic Janus microspheres templated from double Pickering emulsions. <i>RSC Advances</i> , 2012 , 2, 5510	3.7	28

97	A Triblock Copolymer Design Leads to Robust Hybrid Hydrogels for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36301-36310	9.5	27
96	Highly Stretchable, Mechanically Strong, Tough, and Self-Recoverable Nanocomposite Hydrogels by Introducing Strong Ionic Coordination Interactions. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 2717-2725	2.6	27
95	One-step synthesis of porous graphene-based hydrogels containing oil droplets for drug delivery. <i>RSC Advances</i> , 2014 , 4, 3211-3218	3.7	27
94	Capsule clusters fabricated by polymerization based on capsule-in-water-in-oil Pickering emulsions. <i>Polymer Chemistry</i> , 2013 , 4, 5407	4.9	27
93	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	3.7	27
92	Surfactant-Free Multiple Pickering Emulsions Stabilized by Combining Hydrophobic and Hydrophilic Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 173-181	1.5	26
91	Multihollow nanocomposite microspheres with tunable pore structures by templating Pickering double emulsions. <i>Reactive and Functional Polymers</i> , 2013 , 73, 1231-1241	4.6	26
90	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	8.6	26
89	Halloysite nanotubes as particulate emulsifier: Preparation of biocompatible drug-carrying PLGA microspheres based on pickering emulsion. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E358	2.9	26
88	Polyethylenimine and dithiocarbamate decorated melamine sponges for fast copper (II) ions removal from aqueous solution. <i>Applied Surface Science</i> , 2018 , 445, 471-477	6.7	25
87	Charge density threshold for LbL self-assembly and small molecule diffusion in polyelectrolyte multilayer films. <i>Polymer</i> , 2005 , 46, 4958-4966	3.9	25
86	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 124981	14.7	25
85	Magnesium-mechanochemical reduced SiO for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , 2018 , 407, 112-122	8.9	25
84	Exploring porous zeolitic imidazolate frame work-8 (ZIF-8) as an efficient filler for high-performance poly(ethyleneoxide)-based solid polymer electrolytes. <i>Nano Research</i> , 2020 , 13, 2259-2267	19.67	24
83	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	6.1	24
82	Simple fabrication of multi-functional melamine sponges. <i>Materials Letters</i> , 2017 , 190, 119-122	3.3	22
81	Mesomorphous structure and properties of non-equimolar complexes of poly(ethylenimine) and perfluorooctanoic acid. <i>Langmuir</i> , 2004 , 20, 10737-43	4	22
80	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	6.7	21

79	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	3.7	21
78	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	5.1	21
77	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	3.7	20
76	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	5.1	20
75	Significant Structure Change in Nonequimolar Complexes of Poly(ethylenimine) and Octadecanoic Acid Induced by Polymer Backbone Branching. <i>Macromolecules</i> , 2006 , 39, 6552-6557	5.5	20
74	Promoted cell proliferation and mechanical relaxation of nanocomposite hydrogels prepared in cell culture medium. <i>Reactive and Functional Polymers</i> , 2013 , 73, 683-689	4.6	19
73	Microcapsules for controlled release fabricated via layer-by-layer self-assembly of polyelectrolytes. <i>Journal of Experimental Nanoscience</i> , 2008 , 3, 133-145	1.9	19
72	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	8.9	18
71	Poly(acrylamide) microgel-reinforced poly(acrylamide)/hectorite nanocomposite hydrogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 489, 1-8	5.1	18
70	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for LiB Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12799-12808	8.3	18
69	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	3.9	17
68	Novel multi-block conductive binder with polybutadiene for Si anodes in lithium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 315, 58-66	6.7	17
67	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	5.2	17
66	Facile fabrication of polystyrene/halloysite nanotube microspheres with core-shell structure via Pickering suspension polymerization. <i>Polymer Bulletin</i> , 2012 , 69, 765-777	2.4	16
65	Enzymatic desorption of layer-by-layer assembled multilayer films and effects on the release of encapsulated indomethacin microcrystals. <i>Carbohydrate Research</i> , 2007 , 342, 2237-43	2.9	16
64	Novel Structure Change in Nonequimolar Complexes of Linear Poly(ethylenimine) and Octadecanoic Acid: Effects of Composition. <i>Macromolecules</i> , 2005 , 38, 5675-5680	5.5	16
63	Multi-stage hydrogel rockets with stage dropping-off by thermal/light stimulation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16838-16843	13	15
62	Graphene/cyclodextrin-based nanocomposite hydrogel with enhanced strength and thermo-responsive ability. <i>Carbohydrate Polymers</i> , 2017 , 174, 804-811	10.3	15

61	Facile Fabrication of Water Dispersible Latex Particles with Homogeneous or Chain-Segregated Surface from RAFT Polymerization Using a Mixture of Two Macromolecular Chain Transfer Agents. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 691-9	4.8	15
60	Facile, controlled, large scale fabrication of novel capsule clusters. <i>RSC Advances</i> , 2013 , 3, 4514	3.7	14
59	Emulsion Hydrogel Soft Motor Actuated by Thermal Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43211-43219	9.5	14
58	Preparation of Highly Charged, Monodisperse Nanospheres. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 673-677	2.6	14
57	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	9.3	14
56	An efficient polymer coating for highly acid-stable zeolitic imidazolate frameworks based composite sponges. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121057	12.8	14
55	Exploiting Pulping Waste as an Ecofriendly Multifunctional Binder for Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8413-8418	8.3	13
54	Transition metal oxides as lithium-free cathodes for solid-state lithium metal batteries. <i>Nano Energy</i> , 2020 , 74, 104867	17.1	13
53	An ultrahigh-areal-capacity SiOx negative electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2020 , 464, 228244	8.9	13
52	One-pot fabrication of rattle-like capsules with multicores by pickering-based polymerization with nanoparticle nucleation. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1414-8	4.8	13
51	Transportation and release of Janus micromotors by two-stage rocket hydrogel. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18442-18447	13	13
50	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	19.4	13
49	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	4.3	13
48	Facile Fabrication of Macroporous PLGA Microspheres via Double-Pickering Emulsion Templates. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 714-720	2.6	12
47	In situ cyclization modification in polymerization of butadiene by rare earth coordination catalyst. <i>Materials Chemistry and Physics</i> , 2005 , 89, 116-121	4.4	11
46	Cationic cyclization of styreneButadiene rubber. <i>European Polymer Journal</i> , 2001 , 37, 1895-1899	5.2	11
45	Natural Cocoons Enabling Flexible and Stable Fabric Lithium-Sulfur Full Batteries. <i>Nano-Micro Letters</i> , 2021 , 13, 84	19.5	11
44	Compressible nanowood/polymer composite adsorbents for wastewater purification applications. <i>Composites Science and Technology</i> , 2020 , 198, 108320	8.6	10

43	Colloidosomes formation by controlling the solvent extraction from particle-stabilized emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 592-596	5.1	10
42	Fluorescence observations on complex formation between linear and hyperbranched polyelectrolytes in dilute aqueous solutions. <i>European Polymer Journal</i> , 2005 , 41, 185-191	5.2	9
41	Pickering Emulsion-Based Marbles for Cellular Capsules. <i>Materials</i> , 2016 , 9,	3.5	9
40	The jamming and unjamming transition in poly(N-isopropylacrylamide) microgel suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 436, 912-921	5.1	8
39	Fluorescence study of chromophore labeled strong polyelectrolyte bound with oppositely charged surfactant. <i>Colloid and Polymer Science</i> , 2002 , 280, 814-821	2.4	8
38	Synthesis of multiblock copolymers of poly(2-vinylpyridine) and polyoxyethylene. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 1632-1636	2.9	8
37	Low-Cost and Environmentally Friendly Biopolymer Binders for LiS Batteries. <i>Macromolecules</i> , 2020 , 53, 8539-8547	5.5	7
36	A three-dimensional crosslinked chitosan sulfate network binder for high-performance LiS batteries. <i>Journal of Energy Chemistry</i> , 2021 , 56, 171-178	12	7
35	An in situ 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	13	7
34	Scaling of the dynamic response of hectorite clay suspensions containing poly(ethylene glycol) along the universal route of aging. <i>Soft Matter</i> , 2013 , 9, 6263	3.6	6
33	Redox responsive diselenide colloidosomes templated from Pickering emulsions for drug release. <i>Journal of Controlled Release</i> , 2015 , 213, e119-20	11.7	6
32	Thermo-Moldable Nanocomposite Hydrogels. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 57-63	3.9	6
31	NRET from naphthalene labels in multilayer shell wall on melamine formaldehyde microparticles fabricated with layer-by-layer self-assembly to pyrene-labeled polyelectrolyte in solution. <i>European Polymer Journal</i> , 2006 , 42, 161-166	5.2	6
30	Preparation of colloidal crystals with polyhedral building blocks through post-polymerization. <i>Colloid and Polymer Science</i> , 2004 , 282, 651-655	2.4	6
29	Fluorescence decay and quenching of pyrene labeled on sulfonate polyelectrolytes in salt-free aqueous solutions. <i>European Polymer Journal</i> , 2003 , 39, 697-703	5.2	6
28	Overcharge Investigations of LiCoO ₂ /Graphite Lithium Ion Batteries with Different Electrolytes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8615-8624	6.1	6
27	Binding on strong polyelectrolytes of mixed ionic and nonionic surfactants below their critical micelle concentration observed by fluorescence. <i>Colloid and Polymer Science</i> , 2003 , 282, 141-148	2.4	5
26	Understanding the lithium dendrites growth in garnet-based solid-state lithium metal batteries. <i>Journal of Power Sources</i> , 2022 , 521, 230921	8.9	5

25	Synergistic Stabilization of High Internal Phase Pickering Emulsions by a Mixture of Nanoparticle and Polymer. <i>Acta Chimica Sinica</i> , 2012 , 70, 133	3.3	5
24	Preparation of Colloidosome Microcapsules Based on Particle Stabilized Photo-Crosslinkable Pickering Emulsions. <i>Acta Chimica Sinica</i> , 2012 , 70, 1721	3.3	5
23	Novel Nanocellulose/Polymer Composite Aerogel as Solid-State Fluorescence Probe by Pickering Emulsion Route. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000467	3.9	5
22	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, 9989-10005	6.1	5
21	Infrared radiation triggered detachable bio-adhesive hybrid hydrogels. <i>Journal of Controlled Release</i> , 2015 , 213, e102-3	11.7	4
20	Adsorption of fluorophores and N-isopropylacrylamide on Laponite. <i>Applied Clay Science</i> , 2012 , 58, 102-107	10.7	4
19	Multilayer Shell Walls with Versatile Electron Transfer Properties. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1167-1171	4.8	4
18	Nanocomposite porous scaffolds for bone tissue engineering by emulsion templating. <i>Journal of Controlled Release</i> , 2015 , 213, e127	11.7	3
17	Water-Based Dual-Cross-Linked Polymer Binders for High-Energy-Density Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29316-29323	9.5	3
16	Artificial solid electrolyte interphase modified porous SiO composite as anode material for lithium ion batteries. <i>Solid State Ionics</i> , 2020 , 347, 115272	3.3	3
15	In Situ-Cross-linked Supramolecular Eco-Binders for Improved Capacity and Stability of Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3803-3811	6.1	3
14	A Four-Armed Polyacrylic Acid Homopolymer Binder with Enhanced Performance for SiO _x /Graphite Anode. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000525	3.9	3
13	Metal chelation based supramolecular self-assembly enables a high-performance organic anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 413, 127525	14.7	3
12	Generating lithium fluoride-abundant interphase on layered lithium-rich oxide cathode with lithium 1,1,2,2,3,3-hexafluoropropane-1,3-disulfonimide. <i>Journal of Power Sources</i> , 2021 , 507, 230278	8.9	3
11	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	19.4	3
10	Cationic cyclization of neoprene with a diethylaluminum chloride and organic chloride catalyst system. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 2227-2231	2.9	2
9	Preparation of Amphiphilic Diselenide Copolymer and Formation of Its Aggregates. <i>Acta Chimica Sinica</i> , 2013 , 71, 1136	3.3	2
8	Room-Temperature Solid-State Lithium Metal Batteries Using Metal Organic Framework Compositing Comb-Like Methoxy Poly(ethylene glycol) Acrylate Solid Polymer Electrolytes. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100336	3.9	2

7	Macroporous Nanocomposite Materials Prepared by Solvent Evaporation from Pickering Emulsion Templates. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, n/a-n/a	3.9	1
6	Facile Preparation of Core-Shell Nanocomposite Microgels. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 52-66	1.4	1
5	Stable Lithium Metal Anodes with a GaO Artificial Solid Electrolyte Interphase in Damp Air. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21467-21473	9.5	1
4	LiCoO ₂ /Graphite Cells with Localized High Concentration Carbonate Electrolytes for Higher Energy Density. <i>Liquids</i> , 2021 , 1, 60-74		0
3	Cathode-anode reaction products interplay enabling high performance of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ /artificial graphite pouch batteries at elevated temperature. <i>Journal of Power Sources</i> , 2021 , 514, 230583	8.9	0
2	MoS ₂ armored polystyrene particles with a narrow size distribution via membrane-assisted Pickering emulsions for monolayer-shelled liquid marbles. <i>RSC Advances</i> , 2015 , 5, 80424-80427	3.7	
1	Synthesis of Multiblock Copolymers of Poly(2-vinylpyridine) and Polyoxyethylene and their Application as Compatibilizers for Epichlorohydrin Rubber/Poly(Vinyl Chloride) Blends. <i>Polymers and Polymer Composites</i> , 2005 , 13, 191-198	0.8	