

Chaoyang Wang

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.

186
papers

7,099
citations

48
h-index

73
g-index

192
ext. papers

8,104
ext. citations

6.8
avg. IF

6.31
L-index

#	Paper	IF	Citations
186	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
185	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
184	LiCoO ₂ /Graphite Cells with Localized High Concentration Carbonate Electrolytes for Higher Energy Density. <i>Liquids</i> , 2021 , 1, 60-74		0
183	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
182	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
181	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
180	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
179	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
178	A Four-Armed Polyacrylic Acid Homopolymer Binder with Enhanced Performance for SiO ₂ /Graphite Anode. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000525	3.9	3
177	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
176	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
175	Natural Cocoons Enabling Flexible and Stable Fabric Lithium-Sulfur Full Batteries. <i>Nano-Micro Letters</i> , 2021 , 13, 84	19.5	11
174	Room-Temperature Solid-State Lithium Metal Batteries Using Metal Organic Framework Composites Comb-Like Methoxy Poly(ethylene glycol) Acrylate Solid Polymer Electrolytes. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100336	3.9	2
173	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
172	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
171	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 ¹⁹		24
170	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

169	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
168	Compressible nanowood/polymer composite adsorbents for wastewater purification applications. <i>Composites Science and Technology</i> , 2020 , 198, 108320	8.6	10
167	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
166	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
165	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , 2020 , 20, 4029-4037	11.5	47
164	Transition metal oxides as lithium-free cathodes for solid-state lithium metal batteries. <i>Nano Energy</i> , 2020 , 74, 104867	17.1	13
163	An ultrahigh-areal-capacity SiOx negative electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2020 , 464, 228244	8.9	13
162	Green Design of Si/SiO2/C Composites as High-Performance Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3884-3892	6.1	24
161	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
160	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
159	Multifunctional Fluoroethylene Carbonate for Improving High-Temperature Performance of LiNi0.8Mn0.1Co0.1O2 SiOx@Graphite Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9989-10005	6.1	5
158	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for LiS Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12799-12808	8.3	18
157	Low-Cost and Environmentally Friendly Biopolymer Binders for LiS Batteries. <i>Macromolecules</i> , 2020 , 53, 8539-8547	5.5	7
156	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
155	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
154	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
153	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 124981	14.7	25
152	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

151	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
150	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
149	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
148	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
147	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
146	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
145	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
144	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
143	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
142	A Quadruple-Hydrogen-Bonded Supramolecular Binder for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1801189	11	117
141	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
140	Magnesium-mechanochemical reduced SiO for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , 2018 , 407, 112-122	8.9	25
139	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
138	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
137	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
136	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
135	Simple fabrication of multi-functional melamine sponges. <i>Materials Letters</i> , 2017 , 190, 119-122	3.3	22
134	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

133	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
132	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
131	Surface modification of melamine sponges for pH-responsive oil absorption and desorption. <i>Applied Surface Science</i> , 2017 , 416, 798-804	6.7	39
130	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
129	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
128	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
127	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
126	Transportation and release of Janus micromotors by two-stage rocket hydrogel. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18442-18447	13	13
125	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
124	Emulsion Hydrogel Soft Motor Actuated by Thermal Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43211-43219	9.5	14
123	Graphene/cyclodextrin-based nanocomposite hydrogel with enhanced strength and thermo-responsive ability. <i>Carbohydrate Polymers</i> , 2017 , 174, 804-811	10.3	15
122	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
121	Dual Physically Cross-Linked Hydrogels with High Stretchability, Toughness, and Good Self-Recoverability. <i>Macromolecules</i> , 2016 , 49, 5660-5668	5.5	155
120	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
119	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
118	Self-Propelling Hydrogel/Emulsion-Hydrogel Soft Motors for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9413-22	9.5	31
117	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
116	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

115	Pickering Emulsion-Based Marbles for Cellular Capsules. <i>Materials</i> , 2016 , 9,	3.5	9
114	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
113	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
112	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
111	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
110	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
109	Pickering high internal phase emulsion-based hydroxyapatite-poly(E-caprolactone) nanocomposite scaffolds. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3848-3857	7.3	48
108	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
107	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	
106	Nanocomposite porous scaffolds for bone tissue engineering by emulsion templating. <i>Journal of Controlled Release</i> , 2015 , 213, e127	11.7	3
105	Fabrication of mesoporous graphene electrodes with enhanced capacitive deionization. <i>Electrochimica Acta</i> , 2015 , 182, 183-191	6.7	47
104	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
103	Infrared radiation triggered detachable bio-adhesive hybrid hydrogels. <i>Journal of Controlled Release</i> , 2015 , 213, e102-3	11.7	4
102	Redox responsive diselenide colloidosomes templated from Pickering emulsions for drug release. <i>Journal of Controlled Release</i> , 2015 , 213, e119-20	11.7	6
101	Thermo-Moldable Nanocomposite Hydrogels. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 57-63	3.9	6
100	Novel Nanocomposite Hydrogels Consisting of C-Dots with Excellent Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 1043-1048	3.9	31
99	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
98	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

97	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
96	Facile Fabrication of Macroporous PLGA Microspheres via Double-Pickering Emulsion Templates. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 714-720	2.6	12
95	Multifunctional, robust sponges by a simple adsorption/combustion method. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5875-5881	13	56
94	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
93	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
92	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
91	Hybrid hydrogel sheets that undergo pre-programmed shape transformations. <i>Soft Matter</i> , 2014 , 10, 8157-62	3.6	55
90	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
89	Chitosan scaffolds for recyclable adsorption of Cu(II) ions. <i>RSC Advances</i> , 2014 , 4, 3864-3872	3.7	42
88	A self-healing polymeric material: from gel to plastic. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11049	13	43
87	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
86	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
85	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
84	Fabrication of degradable polymer microspheres via pH-responsive chitosan-based Pickering emulsion photopolymerization. <i>RSC Advances</i> , 2014 , 4, 29344-29351	3.7	34
83	Multifunctional foams derived from poly(melamine formaldehyde) as recyclable oil absorbents. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9994-9999	13	115
82	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
81	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
80	Renewable Lignin-Based Xerogels with Self-Cleaning Properties and Superhydrophobicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1729-1733	8.3	88

79	Nitrogen-doped graphene composites as efficient electrodes with enhanced capacitive deionization performance. <i>RSC Advances</i> , 2014 , 4, 63189-63199	3.7	36
78	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
77	Facile Preparation of Core-Shell Nanocomposite Microgels. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 52-66	1.4	1
76	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
75	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
74	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
73	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
72	Facile, controlled, large scale fabrication of novel capsule clusters. <i>RSC Advances</i> , 2013 , 3, 4514	3.7	14
71	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
70	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
69	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
68	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
67	Vesicular self-assembly of colloidal amphiphiles in microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9746-51	9.5	42
66	Capsule clusters fabricated by polymerization based on capsule-in-water-in-oil Pickering emulsions. <i>Polymer Chemistry</i> , 2013 , 4, 5407	4.9	27
65	Hierarchical porous polymeric microspheres as efficient adsorbents and catalyst scaffolds. <i>Chemical Communications</i> , 2013 , 49, 8761-3	5.8	56
64	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
63	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
62	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

61	Fabrication of tunable Janus microspheres with dual anisotropy of porosity and magnetism. <i>Langmuir</i> , 2013 , 29, 5138-44	4	33
60	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
59	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
58	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
57	Preparation of Amphiphilic Diselenide Copolymer and Formation of Its Aggregates. <i>Acta Chimica Sinica</i> , 2013 , 71, 1136	3.3	2
56	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
55	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
54	Hollow magnetic Janus microspheres templated from double Pickering emulsions. <i>RSC Advances</i> , 2012 , 2, 5510	3.7	28
53	Adsorption of fluorophores and N-isopropylacrylamide on Laponite. <i>Applied Clay Science</i> , 2012 , 58, 102-107	4	4
52	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
51	Alkaline lignin extracted from furfural residues for pH-responsive Pickering emulsions and their recyclable polymerization. <i>Green Chemistry</i> , 2012 , 14, 3230	10	136
50	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
49	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
48	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
47	Preparation of Colloidosome Microcapsules Based on Particle Stabilized Photo-Crosslinkable Pickering Emulsions. <i>Acta Chimica Sinica</i> , 2012 , 70, 1721	3.3	5
46	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
45	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
44	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

43	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
42	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
41	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
40	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	3.4	33
39	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
38	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
37	One-pot fabrication of magnetic nanocomposite microcapsules. <i>Materials Letters</i> , 2009 , 63, 884-886	3.3	30
36	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
35	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
34	Facile fabrication of well-defined hydrogel beads with magnetic nanocomposite shells. <i>International Journal of Pharmaceutics</i> , 2009 , 376, 92-8	6.5	46
33	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
32	Emulsion-templated liquid core-polymer shell microcapsule formation. <i>Langmuir</i> , 2009 , 25, 2572-4	4	56
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27	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
26	Multilayer Shell Walls with Versatile Electron Transfer Properties. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1167-1171	4.8	4

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24	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
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22	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
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