Junping Zhang

List of Publications by Year
in descending order

160 papers	11,315 citations	20817 60 h-index	31849 101 g-index
167 all docs	167 docs citations	167 times ranked	9910 citing authors

#	Article	IF	Citations
1	Polyester Materials with Superwetting Silicone Nanofilaments for Oil/Water Separation and Selective Oil Absorption. Advanced Functional Materials, 2011, 21, 4699-4704.	14.9	746
2	Magnetic, Durable, and Superhydrophobic Polyurethane@Fe₃O₄@SiO₂@Fluoropolymer Sponges for Selective Oil Absorption and Oil/Water Separation. ACS Applied Materials & Interfaces, 2015, 7, 4936-4946.	8.0	407
3	Superoleophobic Coatings with Ultralow Sliding Angles Based on Silicone Nanofilaments. Angewandte Chemie - International Edition, 2011, 50, 6652-6656.	13.8	377
4	Synthesis and characterization of chitosan-g-poly(acrylic acid)/attapulgite superabsorbent composites. Carbohydrate Polymers, 2007, 68, 367-374.	10.2	315
5	Removal of methylene blue from aqueous solution using chitosan-g-poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Tc Engineering Aspects, 2008, 322, 47-53.	4.7	301
6	Durable superhydrophobic/superoleophilic PDMS sponges and their applications in selective oil absorption and in plugging oil leakages. Journal of Materials Chemistry A, 2014, 2, 18281-18287.	10.3	259
7	Preparation and characterization of a novel pH-sensitive chitosan-g-poly (acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Tc sodium. Carbohydrate Polymers, 2009, 78, 731-737.	10.2	252
8	Fast removal of methylene blue from aqueous solution by adsorption onto chitosan-g-poly (acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.2	244
9	Gram-scale synthesis of coordination polymer nanodots with renal clearance properties for cancer theranostic applications. Nature Communications, 2015, 6, 8003.	12.8	225
10	Roles of silanes and silicones in forming superhydrophobic and superoleophobic materials. Journal of Materials Chemistry A, 2016, 4, 13677-13725.	10.3	215
11	In situ generation of sodium alginate/hydroxyapatite nanocomposite beads as drug-controlled release matrices. Acta Biomaterialia, 2010, 6, 445-454.	8.3	198
12	Durable and self-healing superamphiphobic coatings repellent even to hot liquids. Chemical Communications, 2016, 52, 2744-2747.	4.1	198
13	Totally Waterborne, Nonfluorinated, Mechanically Robust, and Self-Healing Superhydrophobic Coatings for Actual Anti-Icing. ACS Applied Materials & Interfaces, 2018, 10, 39391-39399.	8.0	180
14	Pressure-Sensitive and Conductive Carbon Aerogels from Poplars Catkins for Selective Oil Absorption and Oil/Water Separation. ACS Applied Materials & Interfaces, 2017, 9, 18001-18007.	8.0	173
15	Utilization of starch and clay for the preparation of superabsorbent composite. Bioresource Technology, 2007, 98, 327-332.	9.6	170
16	Nepenthes Pitcher Inspired Antiâ€Wetting Silicone Nanofilaments Coatings: Preparation, Unique Antiâ€Wetting and Selfâ€Cleaning Behaviors. Advanced Functional Materials, 2014, 24, 1074-1080.	14.9	156
17	A comparative study about adsorption of natural palygorskite for methylene blue. Chemical Engineering Journal, 2015, 262, 390-398.	12.7	153
18	Facile preparation of durable and robust superhydrophobic textiles by dip coating in nanocomposite solution of organosilanes. Chemical Communications, 2013, 49, 11509.	4.1	147

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19	Compressible and conductive carbon aerogels from waste paper with exceptional performance for oil/water separation. Journal of Materials Chemistry A, 2017, 5, 14858-14864.	10.3	144
20	Ultralight, compressible and multifunctional carbon aerogels based on natural tubular cellulose. Journal of Materials Chemistry A, 2016, 4, 2069-2074.	10.3	141
21	Preparation and Properties of Chitosan-g-poly(acrylic acid)/Montmorillonite Superabsorbent Nanocomposite via in Situ Intercalative Polymerization. Industrial & Engineering Chemistry Research, 2007, 46, 2497-2502.	3.7	139
22	Preparation and swelling properties of pH-sensitive composite hydrogel beads based on chitosan-g-poly (acrylic acid)/vermiculite and sodium alginate for diclofenac controlled release. International Journal of Biological Macromolecules, 2010, 46, 356-362.	7.5	138
23	Study on superabsorbent composites. IX: Synthesis, characterization and swelling behaviors of polyacrylamide/clay composites based on various clays. Reactive and Functional Polymers, 2007, 67, 737-745.	4.1	134
24	Magnetic, superhydrophobic and durable silicone sponges and their applications in removal of organic pollutants from water. Chemical Communications, 2014, 50, 7831-7833.	4.1	131
25	Highly salt-resistant and all-weather solar-driven interfacial evaporators with photothermal and electrothermal effects based on Janus graphene@silicone sponges. Nano Energy, 2021, 81, 105682.	16.0	127
26	Study on superabsorbent composite XVI. Synthesis, characterization and swelling behaviors of poly(sodium acrylate)/vermiculite superabsorbent composites. European Polymer Journal, 2007, 43, 1691-1698.	5.4	124
27	Efficient protection of Mg alloy enabled by combination of a conventional anti-corrosion coating and a superamphiphobic coating. Chemical Engineering Journal, 2020, 390, 124562.	12.7	122
28	Highly Stable Lithiumâ€“Sulfur Batteries Based on Laponite Nanosheetâ€Coated Celgard Separators. Advanced Energy Materials, 2018, 8, 1801778.	19.5	111
29	Alkali activation of halloysite for adsorption and release of ofloxacin. Applied Surface Science, 2013, 287, 54-61.	6.1	110
30	Preparation and characterization of chitosanâ€“poly(vinyl alcohol)/bentonite nanocomposites for adsorption of Hg(II) ions. Chemical Engineering Journal, 2014, 251, 404-412.	12.7	110
31	Superwetting Double-Layer Polyester Materials for Effective Removal of Both Insoluble Oils and Soluble Dyes in Water. ACS Applied Materials & Interfaces, 2014, 6, 11581-11588.	8.0	109
32	Study on superabsorbent composite. VI. Preparation, characterization and swelling behaviors of starch phosphate-graft-acrylamide/attapulgite superabsorbent composite. Carbohydrate Polymers, 2006, 65, 150-158.	10.2	103
33	Study on superabsorbent composite. III. Swelling behaviors of polyacrylamide/attapulgite composite based on acidified attapulgite and organo-attapulgite. European Polymer Journal, 2005, 41, 2434-2442.	5.4	102
34	In situ generation of sodium alginate/hydroxyapatite/halloysite nanotubes nanocomposite hydrogel beads as drug-controlled release matrices. Journal of Materials Chemistry B, 2013, 1, 6261.	5.8	100
35	Mechanical- and oil-durable superhydrophobic polyester materials for selective oil absorption and oil/water separation. Journal of Colloid and Interface Science, 2014, 413, 112-117.	9.4	98
36	Electrically Conductive Carbon Aerogels with High Salt-Resistance for Efficient Solar-Driven Interfacial Evaporation. ACS Applied Materials & Interfaces, 2020, 12, 32143-32153.	8.0	93

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37	Mimic nature, beyond nature: facile synthesis of durable superhydrophobic textiles using organosilanes. Journal of Materials Chemistry B, 2013, 1, 4756.	5.8	91
38	Magnetically driven super durable superhydrophobic polyester materials for oil/water separation. Polymer Chemistry, 2014, 5, 2382.	3.9	90
39	Fast removal of ammonium nitrogen from aqueous solution using chitosan-g-poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	12.7	88
40	Mussel and fish scale-inspired underwater superoleophobic kapok membranes for continuous and simultaneous removal of insoluble oils and soluble dyes in water. Journal of Materials Chemistry A, 2015, 3, 18475-18482.	10.3	88
41	Colorful Superamphiphobic Coatings with Low Sliding Angles and High Durability Based on Natural Nanorods. ACS Applied Materials & Interfaces, 2017, 9, 1941-1952.	8.0	88
42	Adsorption and release of ofloxacin from acid- and heat-treated halloysite. Colloids and Surfaces B: Biointerfaces, 2014, 113, 51-58.	5.0	86
43	Evaporation-Induced Transition from Nepenthes Pitcher-Inspired Slippery Surfaces to Lotus Leaf-Inspired Superoleophobic Surfaces. Langmuir, 2014, 30, 14292-14299.	3.5	82
44	A self-healing superamphiphobic coating for efficient corrosion protection of magnesium alloy. Journal of Colloid and Interface Science, 2020, 575, 140-149.	9.4	80
45	Adsorption of Pb(II) from Aqueous Solution by Chitosan-g-poly(acrylic acid)/Attapulgite/Sodium Humate Composite Hydrogels. Journal of Chemical & Engineering Data, 2010, 55, 2379-2384.	1.9	77
46	Durable, Transparent, and Hot Liquid Repelling Superamphiphobic Coatings from Polysiloxane-Modified Multiwalled Carbon Nanotubes. Langmuir, 2017, 33, 510-518.	3.5	77
47	Superhydrophobic coatings with high repellency to daily consumed liquid foods based on food grade waxes. Journal of Colloid and Interface Science, 2018, 515, 255-263.	9.4	75
48	From Maya blue to biomimetic pigments: durable biomimetic pigments with self-cleaning property. Journal of Materials Chemistry A, 2016, 4, 901-907.	10.3	74
49	Study on superabsorbent composite. V. Synthesis, swelling behaviors and application of poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Over Technologies, 2005, 16, 813-820.	3.2	73
50	Synthesis and characterization of multifunctional poly(acrylic acid-co-acrylamide)/sodium humate superabsorbent composite. Reactive and Functional Polymers, 2006, 66, 747-756.	4.1	71
51	Totally Waterborne and Highly Durable Superamphiphobic Coatings for Antiâ€icing and Anticorrosion. Advanced Materials Interfaces, 2019, 6, 1901255.	3.7	71
52	Environmentally benign and durable superhydrophobic coatings based on SiO2 nanoparticles and silanes. Journal of Colloid and Interface Science, 2019, 542, 8-14.	9.4	71
53	Stable cycling of Liâ€“S batteries by simultaneously suppressing Li-dendrite growth and polysulfide shuttling enabled by a bioinspired separator. Journal of Materials Chemistry A, 2020, 8, 3692-3700.	10.3	71
54	Long-term corrosion protection for magnesium alloy by two-layer self-healing superamphiphobic coatings based on shape memory polymers and attapulgite. Journal of Colloid and Interface Science, 2021, 594, 836-847.	9.4	71

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55	Facile preparation of super durable superhydrophobic materials. Journal of Colloid and Interface Science, 2014, 432, 31-42.	9.4	70
56	Dopamine-mediated fabrication of ultralight graphene aerogels with low volume shrinkage. Journal of Materials Chemistry A, 2016, 4, 512-518.	10.3	70
57	Non-fluorinated and durable photothermal superhydrophobic coatings based on attapulgite nanorods for efficient anti-icing and deicing. Chemical Engineering Journal, 2022, 428, 132585.	12.7	70
58	Durable Superhydrophobic/Superoleophilic Polyurethane Sponges Inspired by Mussel and Lotus Leaf for the Selective Removal of Organic Pollutants from Water. ChemPlusChem, 2014, 79, 850-856.	2.8	66
59	Polysiloxane/multiwalled carbon nanotubes nanocomposites and their applications as ultrastable, healable and superhydrophobic coatings. Carbon, 2015, 93, 648-658.	10.3	66
60	Facile preparation of polydimethylsiloxane/carbon nanotubes modified melamine solar evaporators for efficient steam generation and desalination. Journal of Colloid and Interface Science, 2021, 584, 602-609.	9.4	63
61	Disaggregation of palygorskite crystal bundles via high-pressure homogenization. Applied Clay Science, 2011, 54, 118-123.	5.2	61
62	Removal of Organic Pollutants from Water Using Superwetting Materials. Chemical Record, 2018, 18, 118-136.	5.8	61
63	A yolk@shell superhydrophobic/superhydrophilic solar evaporator for efficient and stable desalination. Journal of Materials Chemistry A, 2020, 8, 14736-14745.	10.3	61
64	Synthesis, characterization and water absorbency properties of poly(acrylic acid)/sodium humate superabsorbent composite. Polymers for Advanced Technologies, 2005, 16, 675-680.	3.2	55
65	Preparation, Swelling Behaviors, and Slow-Release Properties of a Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (acl Research, 2006, 45, 48-53.	3.7	55
66	Preparation and swelling properties of superabsorbent nanocomposites based on natural guar gum and organo-vermiculite. Applied Clay Science, 2009, 46, 21-26.	5.2	52
67	Preparation, Characterization, and Drug-Release Behaviors of a pH-Sensitive Composite Hydrogel Bead Based on Guar Gum, Attapulgite, and Sodium Alginate. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 369-376.	3.4	52
68	Transparent and durable superhydrophobic coatings for anti-bioadhesion. Journal of Colloid and Interface Science, 2017, 501, 222-230.	9.4	51
69	Study on superabsorbent composite. IV. Effects of organification degree of attapulgite on swelling behaviors of polyacrylamide/organo-attapulgite composites. European Polymer Journal, 2006, 42, 101-108.	5.4	49
70	Preparation and swelling properties of pHâ€sensitive sodium alginate/layered double hydroxides hybrid beads for controlled release of diclofenac sodium. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 205-214.	3.4	48
71	Waterborne Nonfluorinated Superhydrophobic Coatings with Exceptional Mechanical Durability Based on Natural Nanorods. Advanced Materials Interfaces, 2017, 4, 1700723.	3.7	48
72	Preparation and Swelling Behavior of Fast-Swelling Superabsorbent Hydrogels Based On Starch-g-Poly(acrylic acid-co-sodium acrylate). Macromolecular Materials and Engineering, 2006, 291, 612-620.	3.6	47

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73	A Novel Nâ€Succinylchitosanâ€graftâ€Polyacrylamide/Attapulgite Composite Hydrogel Prepared through Inverse Suspension Polymerization. Macromolecular Materials and Engineering, 2007, 292, 962-969.	3.6	47
74	Facile preparation of magnetic 2-hydroxypropyltrimethyl ammonium chloride chitosan/Fe3O4/halloysite nanotubes microspheres for the controlled release of ofloxacin. Carbohydrate Polymers, 2014, 102, 877-883.	10.2	47
75	Scalable Preparation of Superamphiphobic Coatings with Ultralow Sliding Angles and High Liquid Impact Resistance. ACS Applied Materials & Interfaces, 2018, 10, 41878-41882.	8.0	47
76	Durable superhydrophobic glass wool@polydopamine@PDMS for highly efficient oil/water separation. Journal of Colloid and Interface Science, 2019, 544, 257-265.	9.4	46
77	Preparation and slow-release property of a poly(acrylic acid)/attapulgite/sodium humate superabsorbent composite. Journal of Applied Polymer Science, 2007, 103, 37-45.	2.6	45
78	Semitransparent superoleophobic coatings with low sliding angles for hot liquids based on silica nanotubes. Journal of Materials Chemistry A, 2016, 4, 953-960.	10.3	44
79	XRF and nitrogen adsorption studies of acid-activated palygorskite. Clay Minerals, 2010, 45, 145-156.	0.6	41
80	Superhydrophobic Coatings with Photothermal Self-Healing Chemical Composition and Microstructure for Efficient Corrosion Protection of Magnesium Alloy. Langmuir, 2021, 37, 13527-13536.	3.5	41
81	Learning from ancient Maya: Preparation of stable palygorskite/methylene blue@SiO2 Maya Blue-like pigment. Microporous and Mesoporous Materials, 2015, 211, 124-133.	4.4	39
82	Palygorskite@Fe₃O₄@polyperfluoroalkylsilane nanocomposites for superoleophobic coatings and magnetic liquid marbles. Journal of Materials Chemistry A, 2016, 4, 5859-5868.	10.3	38
83	Function-directed design of battery separators based on microporous polyolefin membranes. Journal of Materials Chemistry A, 2022, 10, 14137-14170.	10.3	38
84	Photochromic and super anti-wetting coatings based on natural nanoclays. Journal of Materials Chemistry A, 2019, 7, 3120-3127.	10.3	37
85	Strong, compressible, bendable and stretchable silicone sponges by solvent-controlled hydrolysis and polycondensation of silanes. Journal of Colloid and Interface Science, 2019, 540, 554-562.	9.4	37
86	Polydopamine and poly(dimethylsiloxane) modified superhydrophobic fiberglass membranes for efficient water-in-oil emulsions separation. Journal of Colloid and Interface Science, 2020, 559, 178-185.	9.4	37
87	Durable Superhydrophobic Surfaces Prepared by Spray Coating of Polymerized Organosilane/Attapulgite Nanocomposites. ChemPlusChem, 2013, 78, 1503-1509.	2.8	35
88	A SuperLEphilic/Superhydrophobic and Thermostable Separator Based on Silicone Nanofilaments for Li Metal Batteries. IScience, 2019, 16, 420-432.	4.1	35
89	Carbon nanotubes@silicone solar evaporators with controllable salt-tolerance for efficient water evaporation in a closed system. Journal of Materials Chemistry A, 2021, 9, 17502-17511.	10.3	35
90	Melamine/Silicone Hybrid Sponges with Controllable Microstructure and Wettability for Efficient Solar-Driven Interfacial Desalination. ACS Applied Materials & Interfaces, 2022, 14, 2360-2368.	8.0	35

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91	Preparation, swelling behaviors and application of polyacrylamide/attapulgite superabsorbent composites. Polymers for Advanced Technologies, 2006, 17, 12-19.	3.2	34
92	Durable superamphiphobic coatings repelling both cool and hot liquids based on carbon nanotubes. Journal of Colloid and Interface Science, 2017, 505, 622-630.	9.4	34
93	Antibioadhesive Superhydrophobic Syringe Needles Inspired by Mussels and Lotus Leafs. Advanced Materials Interfaces, 2015, 2, 1500019.	3.7	33
94	Facile preparation of stable palygorskite/methyl violet@SiO2 â€œMaya Violetâ€•pigment. Journal of Colloid and Interface Science, 2015, 457, 254-263.	9.4	33
95	Adsorption of DNA by using polydopamine modified magnetic nanoparticles based on solid-phase extraction. Analytical Biochemistry, 2019, 579, 9-17.	2.4	32
96	Layered nanocomposite separators enabling dendrite-free lithium metal anodes at ultrahigh current density and cycling capacity. Energy Storage Materials, 2021, 37, 135-142.	18.0	32
97	Study on Superabsorbent Composite, 14. Macromolecular Materials and Engineering, 2006, 291, 1529-1538.	3.6	31
98	Superparamagnetic sandwich structured silver/halloysite nanotube/Fe₃O₄nanocomposites for 4-nitrophenol reduction. RSC Advances, 2014, 4, 39439-39445.	3.6	30
99	Clay-based superamphiphobic coatings with low sliding angles for viscous liquids. Journal of Colloid and Interface Science, 2019, 540, 228-236.	9.4	30
100	Manipulated dispersion of carbon nanotubes with derivatives of chitosan. Carbon, 2007, 45, 1917-1920.	10.3	29
101	Study on superabsorbent composite. XI. Effect of thermal treatment and acid activation of attapulgite on water absorbency of poly(acrylic acid)/attapulgite superabsorbent composite. Polymer Composites, 2007, 28, 397-404.	4.6	29
102	Synergistic effects of Na+-montmorillonite and multi-walled carbon nanotubes on mechanical properties of chitosan film. EXPRESS Polymer Letters, 2009, 3, 302-308.	2.1	29
103	Effects of modification of palygorskite on superamphiphobicity and microstructure of palygorskite@fluorinated polysiloxane superamphiphobic coatings. Applied Clay Science, 2018, 160, 144-152.	5.2	27
104	Highly transparent superamphiphobic surfaces by elaborate microstructure regulation. Journal of Colloid and Interface Science, 2019, 554, 250-259.	9.4	27
105	Environmentally friendly, durable and transparent anti-fouling coatings applicable onto various substrates. Journal of Colloid and Interface Science, 2021, 591, 429-439.	9.4	26
106	Design of a Separated Solar Interfacial Evaporation System for Simultaneous Water and Salt Collection. ACS Applied Materials & Interfaces, 2021, 13, 59518-59526.	8.0	26
107	Study on superabsorbent compositeâ€”VII. Effects of organification of attapulgite on swelling behaviors of poly(acrylic acid-co-acrylamide)/sodium humate/organo-attapulgite composite. Polymers for Advanced Technologies, 2006, 17, 379-385.	3.2	25
108	Spray-dried magnetic chitosan/Fe3O4/halloysite nanotubes/ofloxacin microspheres for sustained release of ofloxacin. RSC Advances, 2013, 3, 23423.	3.6	25

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109	Silica/Silicone Nanofilament Hybrid Coatings with Almost Perfect Superhydrophobicity. ChemPhysChem, 2013, 14, 1646-1651.	2.1	25
110	Freeze-drying: A versatile method to overcome re-aggregation and improve dispersion stability of palygorskite for sustained release of ofloxacin. Applied Clay Science, 2014, 87, 7-13.	5.2	25
111	A comparative study about superamphiphobicity and stability of superamphiphobic coatings based on Palygorskite. Applied Clay Science, 2018, 165, 8-16.	5.2	25
112	pH- and thermo-responsive dispersion of single-walled carbon nanotubes modified with poly(N-isopropylacrylamide-co-acrylic acid). Journal of Colloid and Interface Science, 2009, 334, 212-216.	9.4	24
113	Universal self-assembly of organosilanes with long alkyl groups into silicone nanofilaments. Polymer Chemistry, 2014, 5, 1132-1139.	3.9	24
114	Biomimetic Super Anti-Wetting Coatings from Natural Materials: Superamphiphobic Coatings Based on Nanoclays. Scientific Reports, 2018, 8, 12062.	3.3	24
115	Efficient scald-preventing enabled by robust polyester fabrics with hot water repellency and water impalement resistance. Journal of Colloid and Interface Science, 2020, 566, 69-78.	9.4	24
116	Durable superamphiphobic coatings with high static and dynamic repellency towards liquids with low surface tension and high viscosity. Journal of Colloid and Interface Science, 2020, 578, 262-272.	9.4	23
117	Superhydrophobic Gated Polyorganosilanes/Halloysite Nanocontainers for Sustained Drug Release. Advanced Materials Interfaces, 2014, 1, 1300136.	3.7	22
118	Solvatochromic Coatings with Self-Cleaning Property from Palygorskite@Polysiloxane/Crystal Violet Lactone. ACS Applied Materials & Interfaces, 2016, 8, 27346-27352.	8.0	22
119	Superamphiphobic Coatings with Low Sliding Angles from Attapulgite/Carbon Composites. Advanced Materials Interfaces, 2018, 5, 1701520.	3.7	22
120	Green Synthesis of Ant Nest-Inspired Superelastic Silicone Aerogels. ACS Sustainable Chemistry and Engineering, 2018, 6, 11222-11227.	6.7	22
121	A separator based on natural illite/smectite clay for highly stable lithium-sulfur batteries. Journal of Colloid and Interface Science, 2020, 576, 404-411.	9.4	22
122	A waterborne superLEphilic and thermostable separator based on natural clay nanorods for high-voltage lithium-ion batteries. Materials Today Energy, 2020, 16, 100420.	4.7	21
123	Design of advanced separators for high performance Li-S batteries using natural minerals with 1D to 3D microstructures. Journal of Colloid and Interface Science, 2022, 614, 593-602.	9.4	19
124	Superabsorbent composite. XIII. Effects of Al3+-attapulgite on hydrogel strength and swelling behaviors of poly(acrylic acid)/Al3+-attapulgite superabsorbent composites. Polymer Engineering and Science, 2007, 47, 619-624.	3.1	17
125	Superamphiphobic, Magnetic, and Elastic Silicone Sponges with Excellent Temperature Stability. Advanced Materials Interfaces, 2016, 3, 1600517.	3.7	17
126	Spectrumâ€“effect relationship between GCâ€QTOFâ€MS fingerprint and antioxidant, antiâ€inflammatory activities of Schizonepeta tenuifolia essential oil. Biomedical Chromatography, 2021, 35, e5106.	1.7	17

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127	Facile preparation of stable palygorskite/cationic red X-GRL@SiO2â€œMaya Redâ€•pigments. RSC Advances, 2014, 4, 63485-63493.	3.6	16
128	Palygorskite-based hybrid fluorescent pigment: Preparation, spectroscopic characterization and environmental stability. Microporous and Mesoporous Materials, 2016, 224, 107-115.	4.4	16
129	Study on superabsorbent composite. VIII. Effects of acid- and heat-activated attapulgite on water absorbency of polyacrylamide/attapulgite. Journal of Applied Polymer Science, 2007, 103, 2419-2424.	2.6	15
130	Rapid removal of Pb(II) from aqueous solution by chitosanâ€gâ€poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (acid)/ 2011, 32, 523-531.	2.2	15
131	Precise regulation of the selectivity of supported nano-Pd catalysts using polysiloxane coatings with tunable surface wettability. Chemical Communications, 2019, 55, 8305-8308.	4.1	15
132	Superabsorbent composite. X. Effects of saponification on properties of polyacrylamide/attapulgite. Polymer Engineering and Science, 2006, 46, 1762-1767.	3.1	14
133	pH-sensitive sodium alginate/calcined hydrotalcite hybrid beads for controlled release of diclofenac sodium. Drug Development and Industrial Pharmacy, 2012, 38, 728-734.	2.0	14
134	Durable and fluorine-free superhydrophobic coatings from palygorskite-rich spent bleaching earth. Applied Clay Science, 2018, 157, 237-247.	5.2	14
135	Waterborne, non-fluorinated and durable anti-icing superhydrophobic coatings based on diatomaceous earth. New Journal of Chemistry, 2021, 45, 10409-10417.	2.8	14
136	Mechanically Robust and Thermally Stable Colorful Superamphiphobic Coatings. Frontiers in Chemistry, 2018, 6, 144.	3.6	13
137	Superelastic Clay/Silicone Composite Sponges and Their Applications for Oil/Water Separation and Solar Interfacial Evaporation. Langmuir, 2022, 38, 1853-1859.	3.5	13
138	Robust Superamphiphobic Fabrics with Excellent Hot Liquid Repellency and Hot Water Vapor Resistance. Langmuir, 2022, 38, 5891-5899.	3.5	13
139	Super pressure-resistant superhydrophobic fabrics with real self-cleaning performance. IScience, 2022, 25, 104494.	4.1	13
140	Effect of number of grindings of attapulgite on enhanced swelling properties of the superabsorbent nanocomposites. Journal of Composite Materials, 2013, 47, 969-978.	2.4	12
141	Preparation of Stable Superhydrophobic Coatings on Complexâ€Shaped Substrates. Advanced Materials Interfaces, 2022, 9, .	3.7	11
142	Preparation of pH- and magnetism-responsive sodium alginate/Fe3O4@HNTs nanocomposite beads for controlled release of granulysin. RSC Advances, 2016, 6, 111747-111753.	3.6	10
143	Superamphiphobic Cu/CuO Micropillar Arrays with High Repellency Towards Liquids of Extremely High Viscosity and Low Surface Tension. Scientific Reports, 2019, 9, 702.	3.3	10
144	Study on superabsorbent composite. XV. Effects of ion-exchanged attapulgite on water absorbency of superabsorbent composites. Polymer Composites, 2007, 28, 208-213.	4.6	9

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145	Study on superabsorbent composite XXV. Synthesis, characterization, and swelling behaviors of poly(acrylic acidâ€coâ€Nâ€acryloylmorpholine)/attapulgite superabsorbent composites. Polymer Composites, 2010, 31, 691-699.	4.6	9
146	Universal dispersion of single-walled carbon nanotubes in the liquid phase inspired by Maya Blue. Journal of Materials Chemistry A, 2013, 1, 10626.	10.3	9
147	Attapulgite: from clay minerals to functional materials. Scientia Sinica Chimica, 2018, 48, 1432-1451.	0.4	9
148	Effects of Size, Shape, Surface Charge and Functionalization on Cytotoxicity of Gold Nanoparticles. Nano LIFE, 2015, 05, 1540003.	0.9	8
149	Solvent-controlled growth of silicone nanofilaments. RSC Advances, 2014, 4, 33424-33430.	3.6	7
150	Water harvesting from desert soil via interfacial solar heating under natural sunlight. Journal of Colloid and Interface Science, 2022, 607, 1986-1992.	9.4	7
151	Water-dispersible and stable fluorescent Maya Blue-like pigments. RSC Advances, 2015, 5, 35010-35016.	3.6	5
152	Process optimization for the supercritical carbon dioxide extraction of Foeniculum vulgare Mill. seeds aromatic extract with respect to yield and transâ€anethole contents using Boxâ€Behnken design. Flavour and Fragrance Journal, 2021, 36, 280-291.	2.6	5
153	Durable and transparent super anti-wetting coatings with excellent liquid repellency and anti-fouling performance based on fluorinated polysiloxane. New Journal of Chemistry, 2022, 46, 6646-6656.	2.8	4
154	Cuttleboneâ€Derived Interfacial Solar Evaporators for Longâ€Term Desalination and Water Harvesting. Advanced Sustainable Systems, 2022, 6, .	5.3	4
155	Study on superabsorbent composites XVII. Preparation and characterization of poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.0	2
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157	Maya Blue Pigments Derived From Clay Minerals. , 2019, , 627-661.		1
158	Superhydrophobic Coatings: Waterborne Nonfluorinated Superhydrophobic Coatings with Exceptional Mechanical Durability Based on Natural Nanorods (Adv. Mater. Interfaces 19/2017). Advanced Materials Interfaces, 2017, 4, .	3.7	0
159	Carbon Composites: Superamphiphobic Coatings with Low Sliding Angles from Attapulgite/Carbon Composites (Adv. Mater. Interfaces 9/2018). Advanced Materials Interfaces, 2018, 5, 1870045.	3.7	0
160	Preparation of Stable Superhydrophobic Coatings on Complexâ€Shaped Substrates (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	0