

Bin Mu

List of Publications by Year in descending order

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132
papers

4,895
citations

109137

35
h-index

110170

64
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135
all docs

135
docs citations

135
times ranked

6707
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotubes as optical biomedical sensors. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1933-1950.	6.6	324
2	A Decade of UiO-66 Research: A Historic Review of Dynamic Structure, Synthesis Mechanisms, and Characterization Techniques of an Archetypal Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2020, 20, 1347-1362.	1.4	306
3	Neurotransmitter Detection Using Corona Phase Molecular Recognition on Fluorescent Single-Walled Carbon Nanotube Sensors. <i>Journal of the American Chemical Society</i> , 2014, 136, 713-724.	6.6	288
4	Molecular recognition using corona phase complexes made of synthetic polymers adsorbed on carbon nanotubes. <i>Nature Nanotechnology</i> , 2013, 8, 959-968.	15.6	282
5	Gas Adsorption Study on Mesoporous Metal-Organic Framework UMCM-1. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6464-6471.	1.5	169
6	A novel metal-organic coordination polymer for selective adsorption of CO ₂ over CH ₄ . <i>Chemical Communications</i> , 2009, , 2493.	2.2	156
7	Metallized DNA nanolithography for encoding and transferring spatial information for graphene patterning. <i>Nature Communications</i> , 2013, 4, 1663.	5.8	155
8	One-pot fabrication of multifunctional superparamagnetic attapulgite/Fe ₃ O ₄ /polyaniline nanocomposites served as an adsorbent and catalyst support. <i>Journal of Materials Chemistry A</i> , 2015, 3, 281-289.	5.2	146
9	Thermal Analysis and Heat Capacity Study of Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22748-22754.	1.5	129
10	Glycol assisted synthesis of graphene-MnO ₂ -polyaniline ternary composites for high performance supercapacitor electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7872.	1.3	126
11	Unusual positive effect of SO ₂ on Mn-Ce mixed-oxide catalyst for the SCR reaction of NO _x with NH ₃ . <i>Chemical Engineering Journal</i> , 2021, 407, 127071.	6.6	95
12	One-Step Calcination of the Spent Bleaching Earth for the Efficient Removal of Heavy Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1125-1135.	3.2	73
13	Boronic Acid Library for Selective, Reversible Near-Infrared Fluorescence Quenching of Surfactant Suspended Single-Walled Carbon Nanotubes in Response to Glucose. <i>ACS Nano</i> , 2012, 6, 819-830.	7.3	71
14	Recent Advances in Molecular Recognition Based on Nanoengineered Platforms. <i>Accounts of Chemical Research</i> , 2014, 47, 979-988.	7.6	70
15	Superparamagnetic pH-sensitive multilayer hybrid hollow microspheres for targeted controlled release. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3135-3144.	2.5	67
16	Breathing effects of CO ₂ adsorption on a flexible 3D lanthanide metal-organic framework. <i>Journal of Materials Chemistry</i> , 2012, 22, 10172.	6.7	67
17	A Porous Flexible Homochiral SrSi ₂ Array of Single-Stranded Helical Nanotubes Exhibiting Single-Crystal-to-Single-Crystal Oxidation Transformation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 436-440.	7.2	66
18	Facile fabrication of superparamagnetic graphene/polyaniline/Fe ₃ O ₄ nanocomposites for fast magnetic separation and efficient removal of dye. <i>Scientific Reports</i> , 2017, 7, 5347.	1.6	66

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19	Nanoengineered glycan sensors enabling native glycoprofiling for medicinal applications: towards profiling glycoproteins without labeling or liberation steps. <i>Chemical Society Reviews</i> , 2012, 41, 5744.	18.7	53
20	Preparation of a polyelectrolyte-coated magnetic attapulgite composite for the adsorption of precious metals. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4804.	5.2	53
21	Particle size studies to reveal crystallization mechanisms of the metal organic framework HKUST-1 during sonochemical synthesis. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 365-370.	3.8	52
22	Environmentally friendly synthesis of flexible MOFs $M(NA)_2$ ($M = Zn, Co, Cu, Cd$) with large and regenerable ammonia capacity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9922-9929.	5.2	51
23	A Structure-Function Relationship for the Optical Modulation of Phenyl Boronic Acid-Grafted, Polyethylene Glycol-Wrapped Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2012, 134, 17620-17627.	6.6	50
24	UiO-66 MOF and Poly(vinyl cinnamate) Nanofiber Composite Membranes Synthesized by a Facile Three-Stage Process. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12386-12392.	1.8	49
25	Facile preparation of magnetic 2-hydroxypropyltrimethyl ammonium chloride chitosan/Fe ₃ O ₄ /halloysite nanotubes microspheres for the controlled release of ofloxacin. <i>Carbohydrate Polymers</i> , 2014, 102, 877-883.	5.1	47
26	Influences of Deprotonation and Modulation on Nucleation and Growth of UiO-66: Intergrowth and Orientation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2200-2206.	1.5	47
27	Halloysite nanotubes grafted hyperbranched (co)polymers via surface-initiated self-condensing vinyl (co)polymerization. <i>Journal of Nanoparticle Research</i> , 2008, 10, 831-838.	0.8	46
28	Fabrication of Flocculation-Resistant pH/Ionic Strength/Temperature Multiresponsive Hollow Microspheres and Their Controlled Release. <i>Molecular Pharmaceutics</i> , 2012, 9, 91-101.	2.3	45
29	Emergent Properties of Nanosensor Arrays: Applications for Monitoring IgG Affinity Distributions, Weakly Affined Hypermansylation, and Colony Selection for Biomanufacturing. <i>ACS Nano</i> , 2013, 7, 7472-7482.	7.3	45
30	Investigation of Missing-Cluster Defects in UiO-66 and Ferrocene Deposition into Defect-Induced Cavities. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14233-14241.	1.8	44
31	Preparation of magnetic attapulgite nanocomposite for the adsorption of Ag ⁺ and application for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7083.	5.2	41
32	Metal-organic framework-based mixed matrix membranes for gas separation: An overview. <i>Journal of Polymer Science</i> , 2020, 58, 2518-2546.	2.0	41
33	Well-Defined Dendritic-Graft Copolymer Grafted Silica Nanoparticle by Consecutive Surface-Initiated Atom Transfer Radical Polymerizations. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3069-3072.	1.8	40
34	Single-Walled Carbon Nanotube-Based Near-Infrared Optical Glucose Sensors toward <i>In Vivo</i> Continuous Glucose Monitoring. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 72-87.	1.3	38
35	Palygorskite@Fe ₃ O ₄ @polyperfluoroalkylsilane nanocomposites for superoleophobic coatings and magnetic liquid marbles. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5859-5868.	5.2	38
36	A graphene-based physiometer array for the analysis of single biological cells. <i>Scientific Reports</i> , 2014, 4, 6865.	1.6	36

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37	Fabrication of manganese dioxide/carbon/attapulgite composites derived from spent bleaching earth for adsorption of Pb(II) and Brilliant green. RSC Advances, 2016, 6, 36534-36543.	1.7	36
38	Magnetic-targeted pH-responsive drug delivery system via layer-by-layer self-assembly of polyelectrolytes onto drug-containing emulsion droplets and its controlled release. Journal of Polymer Science Part A, 2011, 49, 1969-1976.	2.5	35
39	Fabrication of attapulgite/carbon composites from spent bleaching earth for the efficient adsorption of methylene blue. RSC Advances, 2015, 5, 38443-38451.	1.7	32
40	Superparamagnetic sandwich structured silver/halloysite nanotube/Fe ₃ O ₄ nanocomposites for 4-nitrophenol reduction. RSC Advances, 2014, 4, 39439-39445.	1.7	30
41	Ultimate Control over Hydrogen Bond Formation and Reaction Rates for Scalable Synthesis of Highly Crystalline vdW MOF Nanosheets with Large Aspect Ratio. Advanced Materials, 2018, 30, e1802497.	11.1	30
42	Facile fabrication of superparamagnetic coaxial gold/halloysite nanotubes/Fe ₃ O ₄ nanocomposites with excellent catalytic property for 4-nitrophenol reduction. Journal of Materials Science, 2014, 49, 7181-7191.	1.7	29
43	Nanofiber-based Matrimid organogel membranes for battery separator. Journal of Membrane Science, 2018, 546, 158-164.	4.1	29
44	Attapulgite/carbon composites as a recyclable adsorbent for antibiotics removal. Korean Journal of Chemical Engineering, 2018, 35, 1650-1661.	1.2	29
45	Monodisperse superparamagnetic pH-sensitive single-layer chitosan hollow microspheres with controllable structure. Journal of Polymer Science Part A, 2010, 48, 4981-4988.	2.5	28
46	Disintegration-controllable stimuli-responsive polyelectrolyte multilayer microcapsules via covalent layer-by-layer assembly. Colloids and Surfaces B: Biointerfaces, 2011, 82, 385-390.	2.5	28
47	Template synthesis of graphene/polyaniline hybrid hollow microspheres as electrode materials for high-performance supercapacitor. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	28
48	From waste hot-pot oil as carbon precursor to development of recyclable attapulgite/carbon composites for wastewater treatment. Journal of Environmental Sciences, 2019, 75, 346-358.	3.2	27
49	Facile hydrothermal synthesis of tubular kapok fiber/MnO ₂ composites and application in supercapacitors. RSC Advances, 2015, 5, 64065-64075.	1.7	26
50	Crosslinked polymeric nanocapsules from polymer brushes grafted silica nanoparticles via surface-initiated atom transfer radical polymerization. Colloids and Surfaces B: Biointerfaces, 2009, 74, 511-515.	2.5	25
51	Effect of different clay minerals and calcination temperature on the morphology and color of clay/CoAl ₂ O ₄ hybrid pigments. RSC Advances, 2015, 5, 102674-102681.	1.7	25
52	Modeling Nanoparticle Dispersion in Electrospun Nanofibers. Langmuir, 2018, 34, 1340-1346.	1.6	25
53	Prolonged HKUST-1 functionality under extreme hydrothermal conditions by electrospinning polystyrene fibers as a new coating method. Microporous and Mesoporous Materials, 2018, 270, 34-39.	2.2	25
54	A Comparative Study on Color Stability of Anthocyanin Hybrid Pigments Derived from 1D and 2D Clay Minerals. Materials, 2019, 12, 3287.	1.3	25

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55	A metal-organic framework with coordinatively unsaturated metal centers and microporous structure. <i>CrystEngComm</i> , 2010, 12, 2347.	1.3	24
56	Ag(I)-triggered one-pot synthesis of Ag nanoparticles onto natural nanorods as a multifunctional nanocomposite for efficient catalysis and adsorption. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 84-92.	5.0	24
57	Temperature and pH dual-responsive cross-linked polymeric nanocapsules with controllable structures via surface-initiated atom transfer radical polymerization from templates. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 789-796.	1.7	23
58	Encapsulation of drug microparticles with self-assembled Fe ₃ O ₄ /alginate hybrid multilayers for targeted controlled release. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 825-831.	1.6	23
59	Adsorption and diffusion of carbon dioxide on the metal-organic framework CuBTB. <i>Chemical Engineering Science</i> , 2017, 167, 10-17.	1.9	23
60	Reversible Thermochromic Superhydrophobic BiVO ₄ Hybrid Pigments Coatings with Self-Cleaning Performance and Environmental Stability Based on Kaolinite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3228-3236.	4.0	23
61	Facile Preparation of Crosslinked Polymeric Nanocapsules via Combination of Surface-Initiated Atom Transfer Radical Polymerization and Ultraviolet Irradiated Crosslinking Techniques. <i>Nanoscale Research Letters</i> , 2009, 4, 773-7.	3.1	22
62	Rapid CO ₂ capture from ambient air by sorbent-containing porous electrospun fibers made with the solvothermal polymer additive removal technique. <i>AIChE Journal</i> , 2019, 65, 214-220.	1.8	22
63	High-Pressure Adsorption Equilibrium of CO ₂ , CH ₄ , and CO on an Impregnated Activated Carbon. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 390-397.	1.0	21
64	Hierarchical Pore Structures and High ZIF-8 Loading on Matrimid Electrospun Fibers by Additive Removal from a Blended Polymer Precursor. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 9944-9951.	1.8	21
65	A cobalt metal-organic framework with small pore size for adsorptive separation of CO ₂ over N ₂ and CH ₄ . <i>AIChE Journal</i> , 2017, 63, 4532-4540.	1.8	21
66	Influence of Particle Size and Loading on Particle Accessibility in Electrospun Poly(ethylene oxide) and ZIF-8 Composite Fibers: Experiments and Theory. <i>Langmuir</i> , 2017, 33, 9066-9072.	1.6	21
67	Preparation of effective carvacrol/attapulgite hybrid antibacterial materials by mechanical milling. <i>Journal of Porous Materials</i> , 2020, 27, 843-853.	1.3	21
68	Attapulgite Modified with Silane Coupling Agent for Phosphorus Adsorption and Deep Bleaching of Refined Palm Oil. <i>Adsorption Science and Technology</i> , 2014, 32, 37-48.	1.5	20
69	Formation and Coloring Mechanism of Typical Aluminosilicate Clay Minerals for CoAl ₂ O ₄ Hybrid Pigment Preparation. <i>Frontiers in Chemistry</i> , 2018, 6, 125.	1.8	20
70	A stable metal-organic framework with well-matched pore cavity for efficient acetylene separation. <i>AIChE Journal</i> , 2021, 67, e17152.	1.8	20
71	Diels-Alder Reactions of Benzyne with Indenyl Iron Complexes. <i>Organometallics</i> , 2004, 23, 6225-6230.	1.1	19
72	Adsorption equilibrium of methane and carbon dioxide on a porous metal-organic framework Zn-BTB. <i>Adsorption</i> , 2011, 17, 777-782.	1.4	19

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73	Temperature and pH dual responsive crosslinked polymeric nanocapsules via surface-initiated atom transfer radical polymerization. <i>Reactive and Functional Polymers</i> , 2012, 72, 983-989.	2.0	19
74	Porous carbon nanoflakes with a high specific surface area derived from a kapok fiber for high-performance electrode materials of supercapacitors. <i>RSC Advances</i> , 2016, 6, 6967-6977.	1.7	19
75	Halloysite nanotubes induced synthesis of carbon/manganese dioxide coaxial tubular nanocomposites as electrode materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1257-1263.	1.2	18
76	From adsorbents to electrode materials: facile hydrothermal synthesis of montmorillonite/polyaniline/metal oxide (hydroxide) composites. <i>New Journal of Chemistry</i> , 2016, 40, 2687-2695.	1.4	18
77	Effects of Activation Temperature and Densification on Adsorption Performance of MOF MIL-100(Cr). <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5814-5823.	1.0	18
78	Preparation of Crosslinked Polymeric Nanocapsules by Surface-Initiated Self-Condensing Vinyl Polymerization on Silica Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 484-489.	0.9	17
79	Facile fabrication of well-defined polyaniline microtubes derived from natural kapok fibers for supercapacitors with long-term cycling stability. <i>RSC Advances</i> , 2016, 6, 68302-68311.	1.7	17
80	A functional cross linked polymeric nanocapsule with pH-responsive brushes on its inner wall: Preparation, characterization and controlled release. <i>Reactive and Functional Polymers</i> , 2010, 70, 578-584.	2.0	16
81	Generating Selective Saccharide Binding Affinity of Phenyl Boronic Acids by using Single-Walled Carbon Nanotube Corona Phases. <i>Chemistry - A European Journal</i> , 2015, 21, 4523-4528.	1.7	16
82	Incorporation of Lutein on Layered Double Hydroxide for Improving the Environmental Stability. <i>Molecules</i> , 2020, 25, 1231.	1.7	16
83	All-solid-state high-energy asymmetric supercapacitor based on natural tubular fibers. <i>Journal of Materials Science</i> , 2018, 53, 11659-11670.	1.7	15
84	Synthesis, characterization, and swelling behaviors of sodium carboxymethyl cellulose-g-poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	15
85	Preparation of manganese dioxide/multiwalled carbon nanotubes hybrid hollow microspheres via layer-by-layer assembly for supercapacitor. <i>Journal of Materials Science</i> , 2013, 48, 7581-7586.	1.7	14
86	Monte Carlo Simulations to Examine the Role of Pore Structure on Ambient Air Separation in Metal-Organic Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9240-9253.	1.8	14
87	Facile fabrication of polyaniline/kapok fiber composites via a semidry method and application in adsorption and catalyst support. <i>Cellulose</i> , 2015, 22, 615-624.	2.4	12
88	Microscopy Study of Morphology of Electrospun Fiber-MOF Composites with Secondary Growth. <i>MRS Advances</i> , 2017, 2, 2457-2463.	0.5	12
89	Morphology control of polyaniline by dopant grown on hollow carbon fibers as high-performance supercapacitor electrodes. <i>Cellulose</i> , 2017, 24, 5579-5592.	2.4	12
90	Preparation and Carbonization of Metal Organic Framework Zn(bdc)(ted) _{0.5} for Enhancing Moisture Resistance and Methane Storage Capacity. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3809-3818.	1.8	12

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91	Halloysite nanotubes template-induced fabrication of carbon/manganese dioxide hybrid nanotubes for supercapacitors. <i>Ionics</i> , 2015, 21, 2329-2336.	1.2	11
92	CoAl ₂ O ₄ /Kaoline Hybrid Pigment Prepared via Solid-Phase Method for Anticorrosion Application. <i>Frontiers in Chemistry</i> , 2018, 6, 586.	1.8	11
93	Nonprecious Nanoalloys Embedded in N ⁺ -Enriched Mesoporous Carbons Derived from a Dual-MOF as Highly Active Catalyst towards Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2018, 3, 7913-7920.	0.7	11
94	Structure and Function of Glucose Binding Protein@Single Walled Carbon Nanotube Complexes. <i>Small</i> , 2012, 8, 3510-3516.	5.2	10
95	Preparation and Antibacterial Activity of ZnO/Palygorskite Nanocomposites Using Different Types of Surfactants. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3808-3817.	1.9	10
96	Removal of a cationic dye from aqueous solution by a porous adsorbent templated from eco-friendly Pickering MIPEs using chitosan-modified semi-coke particles. <i>New Journal of Chemistry</i> , 2021, 45, 3848-3856.	1.4	10
97	Polymeric Nanocapsule from Silica Nanoparticle@Cross-linked Polymer Nanoparticles via One-Pot Approach. <i>Nanoscale Research Letters</i> , 2009, 4, 1271-4.	3.1	9
98	Comparative study on photocatalytic degradation of Congo red using different clay mineral/CdS nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5383-5392.	1.1	9
99	Fabrication of Eco-Friendly Betanin Hybrid Materials Based on Palygorskite and Halloysite. <i>Materials</i> , 2020, 13, 4649.	1.3	9
100	Recovering metal ions from oxalic acid leaching palygorskite-rich clay wastewater to fabricate layered mixed metal oxide/carbon composites for high-efficient removing Congo red. <i>Chemosphere</i> , 2022, 290, 132543.	4.2	9
101	Bio-template synthesis of three-dimensional microtubular nickel-cobalt layered double hydroxide composites for energy storage. <i>Cellulose</i> , 2018, 25, 4121-4131.	2.4	8
102	Porous Fe@C Composites Derived from Silkworm Excrement for Effective Separation of Anisole Compounds. <i>ACS Omega</i> , 2019, 4, 21204-21213.	1.6	8
103	From the Waste Semicoke to Superabsorbent Composite: Synthesis, Characterization and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , 2021, 29, 4017-4026.	2.4	8
104	Preparation of Photo-Sensitive Degradable Polymeric Nanocapsules from Dendrimer Grafted Nano-Silica Templates. <i>Soft Materials</i> , 2011, 9, 382-392.	0.8	7
105	Aggregation-Resistant Superparamagnetic Noncovalent Hybrid Multilayer Hollow Microcapsules in High Ionic Strength Media. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13875-13881.	1.8	7
106	Composite MOF mixture as volatile organic compound sensor – A new approach to LMOF sensors. <i>Materials Letters</i> , 2017, 190, 33-36.	1.3	7
107	Enhancing Hydrogen Adsorption Capacity of Metal Organic Frameworks M(<i>BDC</i>)TED _{0.5} through Constructing a Bimetallic Structure. <i>ACS Omega</i> , 2022, 7, 20081-20091.	1.6	7
108	Biocompatible and Biodegradable Polymeric Nanocapsules from Poly(α , β -malic acid)-Grafted Nano-silica Templates. <i>Designed Monomers and Polymers</i> , 2011, 14, 39-45.	0.7	6

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109	Achieving Morphological Control over Lamellar Manganese Metal-Organic Framework through Modulated Bi-Phase Growth. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9408-9413.	7.2	6
110	Incorporation of Different Metal Ion for Tuning Color and Enhancing Antioxidant Activity of Curcumin/Palygorskite Hybrid Materials. <i>Frontiers in Chemistry</i> , 2021, 9, 760941.	1.8	6
111	Improving CH_4 uptake and CH_4/N_2 separation in pillar-layered metal-organic frameworks using a regulating strategy of interlayer channels. <i>AIChE Journal</i> , 2022, 68, .	1.8	6
112	Diels-Alder Reactions of Benzyne with Indenyl and Fluorenyl Ruthenium Complexes. <i>Organometallics</i> , 2009, 28, 4602-4605.	1.1	5
113	Novel temperature-sensitive crosslinked polymeric nanocapsules. <i>Materials Letters</i> , 2010, 64, 1978-1980.	1.3	5
114	Temperature-responsive ionic-crosslinked polymeric nanocapsules via "self-templating" approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 267-271.	2.5	5
115	A Stable Amine-Functionalized Microporous Metal-Organic Framework for Thermodynamically and Kinetically Selective Gas Separations. <i>ChemistrySelect</i> , 2019, 4, 3841-3847.	0.7	5
116	Core-shell adsorbents by electrospun MOF-polymer composites with improved adsorption properties: Theory and experiments. <i>AIChE Journal</i> , 2020, 66, e16816.	1.8	5
117	Preparation and Characterization of PVC-based Photoresponsive Polymers Containing Azo-chromophores. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 833-838.	1.2	4
118	Superparamagnetic Temperature-Responsive Ionic-Cross-Linked Polymeric Hybrid Nanocapsules via Self-Templating Approach. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 3350-3355.	1.8	4
119	Magneto-adsorptive Particles Enabling the Centrifugation-Free, Preparative-Scale Separation, and Sorting of Single-Walled Carbon Nanotubes. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1097-1104.	1.2	3
120	Electronic and catalytic engineering in two-dimensional vdW metal-organic frameworks through alloying. <i>Applied Physics Reviews</i> , 2021, 8, 031411.	5.5	3
121	Calcined Oil Shale Semi-coke for Significantly Improved Performance Alginate-Based Film by Crosslinking with Ca^{2+} . <i>Journal of Polymers and the Environment</i> , 2022, 30, 2405-2418.	2.4	3
122	Utilization of Sea Sand for Preparation of High-Performance CoAl_2O_4 Composite Pigments via a Cleaner Mechanochemistry Route. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9553-9564.	3.2	3
123	Surface Analysis of Polystyrene-Grafted Keratin Fiber via Surface-Initiated Atom Transfer Radical Polymerization. <i>Designed Monomers and Polymers</i> , 2008, 11, 97-104.	0.7	2
124	Polymeric nanocapsules with controllable crosslinking degree via combination of surface-initiated atom transfer radical polymerisation and photocrosslinking techniques. <i>IET Nanobiotechnology</i> , 2013, 7, 63-68.	1.9	2
125	Mechanochemical synthesis of multifunctional kaolin@ BiVO_4 hybrid pigments for coloring and reinforcing of acrylonitrile-butadiene-styrene. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	2
126	Porous carbon materials with improved hydrogen storage capacity by carbonizing $\text{Zn}(\text{BDC})\text{TED}0.5$. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123409.	1.4	2

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127	High efficiency synthesis of isotactic polypropylene and linear polyethylene using a new C ₂ -symmetric carbon-bridged zirconocene catalyst. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 667-672.	0.4	1
128	The Effects of Surface Modification of ATP on the Performance of CeO ₂ •WO ₃ /TiO ₂ Catalyst for the Selective Catalytic Reduction of NO _x with NH ₃ . Catalysis Surveys From Asia, 2021, 25, 301-311.	1.0	1
129	Slow Release and Water Retention Performance of Poly(acrylic acid-co-acrylamide)/Fulvic Acid/Oil Shale Semicoke Superabsorbent Composites. Polymers, 2022, 14, 1719.	2.0	1
130	Photo-Sensitive and Degradable Polymeric Nanocapsules from Hyperbranched Poly(Amine Ester) Grafted Nano-Silica Templates. Current Nanoscience, 2010, 6, 604-609.	0.7	0
131	Achieving Morphological Control over Lamellar Manganese Metal-Organic Framework through Modulated Bi-Phase Growth. Angewandte Chemie, 2020, 132, 9494-9499.	1.6	0
132	Facile fabrication of a stable fluorescent yellow X-10GFF/palygorskite hybrid pigment via semi-dry grinding. Clay Minerals, 2021, 56, 37-45.	0.2	0