Ahmed A Elzatahry

List of Publications by Year
in descending order

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195 papers	13,590 citations	14614 66 h-index	24915 109 g-index
200 all docs	200 docs citations	200 times ranked	17992 citing authors

#	Article	IF	Citations
1	From Water Oxidation to Reduction: Homologous Niâ€“Co Based Nanowires as Complementary Water Splitting Electrocatalysts. Advanced Energy Materials, 2015, 5, 1402031.	10.2	448
2	A Perspective on Mesoporous TiO₂ Materials. Chemistry of Materials, 2014, 26, 287-298.	3.2	413
3	Solâ€“Gel Design Strategy for Ultradispersed TiO₂ Nanoparticles on Graphene for High-Performance Lithium Ion Batteries. Journal of the American Chemical Society, 2013, 135, 18300-18303.	6.6	348
4	Design, synthesis and applications of coreâ€“shell, hollow core, and nanorattle multifunctional nanostructures. Nanoscale, 2016, 8, 2510-2531.	2.8	283
5	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. Journal of the American Chemical Society, 2017, 139, 1706-1713.	6.6	274
6	General Strategy to Synthesize Uniform Mesoporous TiO₂/Graphene/Mesoporous TiO₂ Sandwich-Like Nanosheets for Highly Reversible Lithium Storage. Nano Letters, 2015, 15, 2186-2193.	4.5	273
7	Mesoporous titania: From synthesis to application. Nano Today, 2012, 7, 344-366.	6.2	260
8	Highly Reversible and Large Lithium Storage in Mesoporous Si/C Nanocomposite Anodes with Silicon Nanoparticles Embedded in a Carbon Framework. Advanced Materials, 2014, 26, 6749-6755.	11.1	260
9	Coreâ€“shell structured titanium dioxide nanomaterials for solar energy utilization. Chemical Society Reviews, 2018, 47, 8203-8237.	18.7	258
10	Synthesis of 2Dâ€Mesoporousâ€Carbon/MoS₂ Heterostructures with Wellâ€Defined Interfaces for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2016, 28, 9385-9390.	11.1	253
11	Highly Ordered Mesoporous Tungsten Oxides with a Large Pore Size and Crystalline Framework for H₂S Sensing. Angewandte Chemie - International Edition, 2014, 53, 9035-9040.	7.2	250
12	Uniform Ordered Two-Dimensional Mesoporous TiO₂ Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. Journal of the American Chemical Society, 2018, 140, 4135-4143.	6.6	242
13	An Interface Coassembly in Biliquid Phase: Toward Coreâ€“Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. Journal of the American Chemical Society, 2015, 137, 13282-13289.	6.6	239
14	Porous MXenes: Synthesis, structures, and applications. Nano Today, 2020, 30, 100803.	6.2	218
15	Nitrogen-doped ordered mesoporous carbons based on cyanamide as the dopant for supercapacitor. Carbon, 2015, 84, 335-346.	5.4	210
16	Single-micelle-directed synthesis of mesoporous materials. Nature Reviews Materials, 2019, 4, 775-791.	23.3	208
17	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. ACS Central Science, 2017, 3, 839-846.	5.3	207
18	Mesoporous Tungsten Oxides with Crystalline Framework for Highly Sensitive and Selective Detection of Foodborne Pathogens. Journal of the American Chemical Society, 2017, 139, 10365-10373.	6.6	200

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19	Ultrahigh capacitive deionization performance by 3D interconnected MOF-derived nitrogen-doped carbon tubes. Chemical Engineering Journal, 2020, 390, 124493.	6.6	191
20	Plasmolysis-Inspired Nanoengineering of Functional Yolkâ€“Shell Microspheres with Magnetic Core and Mesoporous Silica Shell. Journal of the American Chemical Society, 2017, 139, 15486-15493.	6.6	187
21	Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications. Advanced Materials, 2019, 31, e1707612.	11.1	179
22	Polymer-Based Electrospun Nanofibers for Biomedical Applications. Nanomaterials, 2018, 8, 259.	1.9	171
23	Synthesis of Ordered Mesoporous Silica with Tunable Morphologies and Pore Sizes via a Nonpolar Solvent-Assisted StÃ¶ber Method. Chemistry of Materials, 2016, 28, 2356-2362.	3.2	159
24	A Micelle Fusionâ€“Aggregation Assembly Approach to Mesoporous Carbon Materials with Rich Active Sites for Ultrasensitive Ammonia Sensing. Journal of the American Chemical Society, 2016, 138, 12586-12595.	6.6	152
25	Review of recent research on biomedical applications of electrospun polymer nanofibers for improved wound healing. Nanomedicine, 2016, 11, 715-737.	1.7	147
26	Radially oriented mesoporous TiO ₂ microspheres with single-crystalâ€“like anatase walls for high-efficiency optoelectronic devices. Science Advances, 2015, 1, e1500166.	4.7	139
27	Nanoengineering of Coreâ€“Shell Magnetic Mesoporous Microspheres with Tunable Surface Roughness. Journal of the American Chemical Society, 2017, 139, 4954-4961.	6.6	135
28	Myriophyllum-like hierarchical TiN@Ni₃N nanowire arrays for bifunctional water splitting catalysts. Journal of Materials Chemistry A, 2016, 4, 5713-5718.	5.2	134
29	Ordered porous metal oxide semiconductors for gas sensing. Chinese Chemical Letters, 2018, 29, 405-416.	4.8	134
30	Solar-Driven Photoelectrochemical Probing of Nanodot/Nanowire/Cell Interface. Nano Letters, 2014, 14, 2702-2708.	4.5	132
31	Synthesis of uniform ordered mesoporous TiO₂ microspheres with controllable phase junctions for efficient solar water splitting. Chemical Science, 2019, 10, 1664-1670.	3.7	131
32	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. Journal of the American Chemical Society, 2018, 140, 10009-10015.	6.6	120
33	NixCo1â^'x alloy nanoparticle-doped carbon nanofibers as effective non-precious catalyst for ethanol oxidation. International Journal of Hydrogen Energy, 2014, 39, 305-316.	3.8	117
34	Recent Overviews in Functional Polymer Composites for Biomedical Applications. Polymers, 2018, 10, 739.	2.0	114
35	Recent advances in functional nanostructures as cancer photothermal therapy. International Journal of Nanomedicine, 2018, Volume 13, 2897-2906.	3.3	114
36	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. ACS Applied Materials & Interfaces, 2015, 7, 17450-17459.	4.0	110

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37	Engineering graphitic carbon nitride (g-C₃N₄) for catalytic reduction of CO₂to fuels and chemicals: strategy and mechanism. Green Chemistry, 2021, 23, 5394-5428.	4.6	109
38	Photoelectrochemical Conversion from Graphitic C₃N₄ Quantum Dot Decorated Semiconductor Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 12772-12779.	4.0	103
39	Surfactant-templating strategy for ultrathin mesoporous TiO2 coating on flexible graphitized carbon supports for high-performance lithium-ion battery. Nano Energy, 2016, 25, 80-90.	8.2	103
40	Two-Dimensional Mesoporous Heterostructure Delivering Superior Pseudocapacitive Sodium Storage via Bottom-Up Monomicelle Assembly. Journal of the American Chemical Society, 2019, 141, 16755-16762.	6.6	99
41	Hierarchical Confinement Effect with Zincophilic and Spatial Traps Stabilized Zn-Based Aqueous Battery. Nano Letters, 2022, 22, 4223-4231.	4.5	99
42	Hydrothermal synthesis of ordered mesoporous carbons from a biomass-derived precursor for electrochemical capacitors. Nanoscale, 2014, 6, 14657-14661.	2.8	98
43	Nanocatalysis on Supported Oxides for CO Oxidation. Topics in Catalysis, 2008, 47, 22-31.	1.3	97
44	A Magneticâ€Field Guided Interface Coassembly Approach to Magnetic Mesoporous Silica Nanochains for Osteoclastâ€Targeted Inhibition and Heterogeneous Nanocatalysis. Advanced Materials, 2018, 30, e1707515.	11.1	96
45	Drugâ€“clay nanohybrids as sustained delivery systems. Applied Clay Science, 2016, 130, 20-32.	2.6	94
46	Chelation-assisted soft-template synthesis of ordered mesoporous zinc oxides for low concentration gas sensing. Journal of Materials Chemistry A, 2016, 4, 15064-15071.	5.2	93
47	Synthesis of hierarchically porous carbon spheres with yolk-shell structure for high performance supercapacitors. Catalysis Today, 2015, 243, 199-208.	2.2	89
48	Ordered Mesoporous Alumina with Ultra-Large Pores as an Efficient Absorbent for Selective Bioenrichment. Chemistry of Materials, 2017, 29, 2211-2217.	3.2	89
49	Ordered Mesoporous Tin Oxide Semiconductors with Large Pores and Crystallized Walls for High-Performance Gas Sensing. ACS Applied Materials & Interfaces, 2018, 10, 1871-1880.	4.0	89
50	Mesoporous Silica Thin Membranes with Large Vertical Mesochannels for Nanosizeâ€Based Separation. Advanced Materials, 2017, 29, 1702274.	11.1	87
51	A perspective on magnetic core–shell carriers for responsive and targeted drug delivery systems . International Journal of Nanomedicine, 2019, Volume 14, 1707-1723.	3.3	86
52	Synthesis, characterization, and antimicrobial properties of novel double layer nanocomposite electrospun fibers for wound dressing applications. International Journal of Nanomedicine, 2017, Volume 12, 2205-2213.	3.3	85
53	Coreâ€“Shell Magnetic Mesoporous Silica Microspheres with Large Mesopores for Enzyme Immobilization in Biocatalysis. ACS Applied Materials & Interfaces, 2019, 11, 10356-10363.	4.0	83
54	Confined Interfacial Monomicelle Assembly for Precisely Controlled Coating of Single-Layered Titania Mesopores. Matter, 2019, 1, 527-538.	5.0	80

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55	Sequential Chemistry Toward Coreâ€“Shell Structured Metal Sulfides as Stable and Highly Efficient Visibleâ€Light Photocatalysts. Angewandte Chemie - International Edition, 2020, 59, 3287-3293.	7.2	80
56	Ptâ€“NiO/C anode electrocatalysts for direct methanol fuel cells. Electrochimica Acta, 2012, 59, 499-508.	2.6	78
57	Carbon/nitrogen-doped TiO2: New synthesis route, characterization and application for phenol degradation. Arabian Journal of Chemistry, 2016, 9, 229-237.	2.3	77
58	A template-catalyzed in situ polymerization and co-assembly strategy for rich nitrogen-doped mesoporous carbon. Journal of Materials Chemistry A, 2018, 6, 3162-3170.	5.2	77
59	Constructing Three-Dimensional Mesoporous Bouquet-Posy-like TiO₂ Superstructures with Radially Oriented Mesochannels and Single-Crystal Walls. Journal of the American Chemical Society, 2017, 139, 517-526.	6.6	76
60	Mesoporous TiO2 Microspheres with Precisely Controlled Crystallites and Architectures. CheM, 2018, 4, 2436-2450.	5.8	76
61	Rational design of a stable peroxidase mimic for colorimetric detection of H2O2 and glucose: A synergistic CeO2/Zeolite Y nanocomposite. Journal of Colloid and Interface Science, 2019, 535, 425-435.	5.0	75
62	Mesoporous TiO₂ Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. ACS Central Science, 2015, 1, 400-408.	5.3	74
63	Review of Clay-Drug Hybrid Materials for Biomedical Applications: Administration Routes. Clays and Clay Minerals, 2016, 64, 115-130.	0.6	74
64	Unveiling One-Pot Template-Free Fabrication of Exquisite Multidimensional PtNi Multicube Nanoarchitectonics for the Efficient Electrochemical Oxidation of Ethanol and Methanol with a Great Tolerance for CO. ACS Applied Materials & Interfaces, 2020, 12, 31309-31318.	4.0	73
65	Epitaxial Growth of Latticeâ€Mismatched Coreâ€“Shell TiO₂@MoS₂ for Enhanced Lithiumâ€Ion Storage. Small, 2016, 12, 2792-2799.	5.2	71
66	Ordered Macro/Mesoporous TiO₂ Hollow Microspheres with Highly Crystalline Thin Shells for High-Efficiency Photoconversion. Small, 2016, 12, 860-867.	5.2	71
67	The Recent Advances in the Mechanical Properties of Self-Standing Two-Dimensional MXene-Based Nanostructures: Deep Insights into the Supercapacitor. Nanomaterials, 2020, 10, 1916.	1.9	69
68	Nanocatalysis on Tailored Shape Supports:Â Au and Pd Nanoparticles Supported on MgO Nanocubes and ZnO Nanobelts. Journal of Physical Chemistry B, 2006, 110, 21387-21393.	1.2	64
69	Fully Solar-Powered Photoelectrochemical Conversion for Simultaneous Energy Storage and Chemical Sensing. Nano Letters, 2014, 14, 3668-3673.	4.5	64
70	Nickel oxide/nitrogen doped carbon nanofibers catalyst for methanol oxidation in alkaline media. Electrochimica Acta, 2014, 137, 774-780.	2.6	64
71	Recyclable Fenton-like catalyst based on zeolite Y supported ultrafine, highly-dispersed Fe2O3 nanoparticles for removal of organics under mild conditions. Chinese Chemical Letters, 2019, 30, 324-330.	4.8	64
72	Unveiling Fabrication and Environmental Remediation of MXene-Based Nanoarchitectures in Toxic Metals Removal from Wastewater: Strategy and Mechanism. Nanomaterials, 2020, 10, 885.	1.9	64

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73	Preparation and characterization of metronidazoleâ€loaded chitosan nanoparticles for drug delivery application. Polymers for Advanced Technologies, 2008, 19, 1787-1791.	1.6	63
74	Magnetic yolk-shell structured anatase-based microspheres loaded with Au nanoparticles for heterogeneous catalysis. Nano Research, 2015, 8, 238-245.	5.8	62
75	Unraveling template-free fabrication of carbon nitride nanorods codoped with Pt and Pd for efficient electrochemical and photoelectrochemical carbon monoxide oxidation at room temperature. Nanoscale, 2019, 11, 11755-11764.	2.8	62
76	Plasmonic MXene-based nanocomposites exhibiting photothermal therapeutic effects with lower acute toxicity than pure MXene . International Journal of Nanomedicine, 2019, Volume 14, 4529-4539.	3.3	61
77	Hollow TiO2â€“X porous microspheres composed of well-crystalline nanocrystals for high-performance lithium-ion batteries. Nano Research, 2016, 9, 165-173.	5.8	60
78	Highly exfoliated Ti₃C₂T_x MXene nanosheets atomically doped with Cu for efficient electrochemical CO₂ reduction: an experimental and theoretical study. Journal of Materials Chemistry A, 2022, 10, 1965-1975.	5.2	60
79	Rational synthesis, characterization, and application of environmentally friendly (polymerâ€“carbon) Tj ETQq1 1 0.784314 rgBT /Over Sciences Europe, 2020, 32, .	2.6	59
80	Synthesis and electrochemical properties of nickel oxide/carbon nanofiber composites. Carbon, 2014, 71, 276-283.	5.4	58
81	A review of MXenes as emergent materials for dye removal from wastewater. Separation and Purification Technology, 2022, 282, 120083.	3.9	56
82	Templated Fabrication of Coreâ€“Shell Magnetic Mesoporous Carbon Microspheres in 3-Dimensional Ordered Macroporous Silicas. Chemistry of Materials, 2014, 26, 3316-3321.	3.2	54
83	Template-free synthesis of uniform magnetic mesoporous TiO2 nanospindles for highly selective enrichment of phosphopeptides. Materials Horizons, 2014, 1, 439.	6.4	53
84	Influence of anionic surface modifiers on the thermal stability and mechanical properties of layered double hydroxide/polypropylene nanocomposites. Journal of Materials Chemistry A, 2015, 3, 22730-22738.	5.2	52
85	Rational synthesis of one-dimensional carbon nitride-based nanofibers atomically doped with Au/Pd for efficient carbon monoxide oxidation. International Journal of Hydrogen Energy, 2019, 44, 17943-17953.	3.8	51
86	Rational Synthesis of Porous Graphitic-like Carbon Nitride Nanotubes Codoped with Au and Pd as an Efficient Catalyst for Carbon Monoxide Oxidation. Langmuir, 2019, 35, 3421-3431.	1.6	51
87	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. Angewandte Chemie - International Edition, 2019, 58, 15863-15868.	7.2	50
88	Polyacrylamideâ€grafted carboxymethyl cellulose: Smart pHâ€sensitive hydrogel for protein concentration. Journal of Applied Polymer Science, 2011, 122, 469-479.	1.3	49
89	Precise fabrication of porous one-dimensional gC3N4 nanotubes doped with Pd and Cu atoms for efficient CO oxidation and CO2 reduction. Inorganic Chemistry Communication, 2019, 107, 107460.	1.8	49
90	Ordered Macroâ€/Mesoporous Anatase Films with High Thermal Stability and Crystallinity for Photoelectrocatalytic Waterâ€Splitting. Advanced Energy Materials, 2014, 4, 1301725.	10.2	48

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91	Direct Immersion Annealing of Thin Block Copolymer Films. ACS Applied Materials & Interfaces, 2015, 7, 21639-21645.	4.0	48
92	Highly dispersed Pt nanoparticles on ultrasmall EMT zeolite: A peroxidase-mimic nanoenzyme for detection of H2O2 or glucose. Journal of Colloid and Interface Science, 2020, 570, 300-311.	5.0	48
93	Direct Imaging Au Nanoparticle Migration Inside Mesoporous Silica Channels. ACS Nano, 2014, 8, 10455-10460.	7.3	47
94	Growth of Singleâ€Layered Twoâ€Dimensional Mesoporous Polymer/Carbon Films by Selfâ€Assembly of Monomicelles at the Interfaces of Various Substrates. Angewandte Chemie - International Edition, 2015, 54, 8425-8429.	7.2	45
95	Freestanding eggshell membrane-based electrodes for high-performance supercapacitors and oxygen evolution reaction. Nanoscale, 2015, 7, 14378-14384.	2.8	44
96	Hollow Mesoporous Carbon Nanospheres Loaded with Pt Nanoparticles for Colorimetric Detection of Ascorbic Acid and Glucose. ACS Applied Nano Materials, 2020, 3, 4586-4598.	2.4	44
97	Evaluation of alginateâ€“chitosan bioadhesive beads as a drug delivery system for the controlled release of theophylline. Journal of Applied Polymer Science, 2009, 111, 2452-2459.	1.3	41
98	Tricomponent Coassembly Approach To Synthesize Ordered Mesoporous Carbon/Silica Nanocomposites and Their Derivative Mesoporous Silicas with Dual Porosities. Chemistry of Materials, 2014, 26, 2438-2444.	3.2	41
99	Magnetic mesoporous nanospheres anchored with LyP-1 as an efficient pancreatic cancer probe. Biomaterials, 2017, 115, 9-18.	5.7	41
100	High Performance Perovskite Hybrid Solar Cells with E-beam-Processed TiO_x Electron Extraction Layer. ACS Applied Materials & Interfaces, 2016, 8, 1876-1883.	4.0	40
101	Fabrication of fouling resistant Ti3C2Tx (MXene)/cellulose acetate nanocomposite membrane for forward osmosis application. Journal of Water Process Engineering, 2020, 38, 101551.	2.6	40
102	Melt Electrospinning Designs for Nanofiber Fabrication for Different Applications. International Journal of Molecular Sciences, 2019, 20, 2455.	1.8	39
103	Dry ice-mediated rational synthesis of edge-carboxylated crumpled graphene nanosheets for selective and prompt hydrolysis of cellulose and eucalyptus lignocellulose under ambient reaction conditions. Green Chemistry, 2020, 22, 5437-5446.	4.6	39
104	Nano-sulphonated poly (glycidyl methacrylate) cations exchanger for cadmium ions removal: Effects of operating parameters. Desalination, 2011, 279, 152-162.	4.0	38
105	An Efficient Emulsionâ€Induced Interface Assembly Approach for Rational Synthesis of Mesoporous Carbon Spheres with Versatile Architectures. Advanced Functional Materials, 2020, 30, 2002488.	7.8	38
106	Interface Coassembly and Polymerization on Magnetic Colloids: Toward Coreâ€“Shell Functional Mesoporous Polymer Microspheres and Their Carbon Derivatives. Advanced Science, 2020, 7, 2000443.	5.6	37
107	High electrocatalytic performance of nitrogen-doped carbon nanofiber-supported nickel oxide nanocomposite for methanol oxidation in alkaline medium. Applied Surface Science, 2017, 401, 306-313.	3.1	35
108	Broadening microwave absorption via a multi-domain structure. APL Materials, 2017, 5, .	2.2	35

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109	Enhancement of gemcitabine against pancreatic cancer by loading in mesoporous silica vesicles. Chinese Chemical Letters, 2017, 28, 531-536.	4.8	34
110	Sputtering of Electrospun Polymer-Based Nanofibers for Biomedical Applications: A Perspective. Nanomaterials, 2019, 9, 77.	1.9	34
111	TiO₂-pillared clays with well-ordered porous structure and excellent photocatalytic activity. RSC Advances, 2015, 5, 8210-8215.	1.7	33
112	Synthesis of Podlike Magnetic Mesoporous Silica Nanochains for Use as Enzyme Support and Nanostirrer in Biocatalysis. ACS Applied Materials & Interfaces, 2020, 12, 17901-17908.	4.0	33
113	MXene Nanosheets May Induce Toxic Effect on the Early Stage of Embryogenesis. Journal of Biomedical Nanotechnology, 2020, 16, 364-372.	0.5	33
114	Free-standing highly ordered mesoporous carbonâ€“silica composite thin films. Journal of Materials Chemistry A, 2013, 1, 13490.	5.2	32
115	Post-Heat Treatment and Mechanical Assessment of Polyvinyl Alcohol Nanofiber Sheet Fabricated by Electrospinning Technique. International Journal of Polymer Science, 2014, 2014, 1-6.	1.2	31
116	Interfacial engineering for high performance organic photovoltaics. Materials Today, 2016, 19, 169-177.	8.3	31
117	Synthesis, structure and catalytic activity of nano-structured Srâ€“Ruâ€“O type perovskite for hydrogen production. Applied Catalysis A: General, 2010, 378, 151-159.	2.2	30
118	Nanoclay compatibilization of phase separated polysulfone/polyimide films for oxygen barrier. Applied Clay Science, 2017, 137, 123-134.	2.6	30
119	Facile one-step aqueous-phase synthesis of porous PtBi nanosponges for efficient electrochemical methanol oxidation with a high CO tolerance. Journal of Electroanalytical Chemistry, 2022, 916, 116361.	1.9	30
120	Porous high-entropy alloys as efficient electrocatalysts for water-splitting reactions. Electrochemistry Communications, 2022, 136, 107207.	2.3	29
121	Ordered mesoporous silica/polyvinylidene fluoride composite membranes for effective removal of water contaminants. Journal of Materials Chemistry A, 2016, 4, 3850-3857.	5.2	28
122	3D Interconnected Mesoporous Alumina with Loaded Hemoglobin as a Highly Active Electrochemical Biosensor for H₂O₂. Advanced Healthcare Materials, 2018, 7, e1800149.	3.9	28
123	Recent advance in synthesis and application of heteroatom zeolites. Chinese Chemical Letters, 2021, 32, 328-338.	4.8	28
124	Engineering of Pt-based nanostructures for efficient dry (CO2) reforming: Strategy and mechanism for rich-hydrogen production. International Journal of Hydrogen Energy, 2022, 47, 5901-5928.	3.8	28
125	Scalable synthesis of mesoporous titania microspheres via spray-drying method. Journal of Colloid and Interface Science, 2016, 479, 150-159.	5.0	27
126	Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. Journal of Materials Chemistry A, 2016, 4, 16446-16453.	5.2	27

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127	A systematic investigation of the bio-toxicity of core-shell magnetic mesoporous silica microspheres using zebrafish model. Microporous and Mesoporous Materials, 2018, 265, 195-201.	2.2	27
128	Rational synthesis of three-dimensional coreâ€“double shell upconversion nanodendrites with ultrabright luminescence for bioimaging application. Chemical Science, 2019, 10, 7591-7599.	3.7	27
129	Unveiling one-pot scalable fabrication of reusable carboxylated heterogeneous carbon-based catalysts from eucalyptus plant with the assistance of dry ice for selective hydrolysis of eucalyptus biomass. Renewable Energy, 2020, 153, 998-1004.	4.3	27
130	Intercalative Ionâ€Exchange Route to Amino Acid Layered Double Hydroxide Nanohybrids and Their Sorption Properties. European Journal of Inorganic Chemistry, 2015, 2015, 925-930.	1.0	26
131	X-ray diffraction and X-ray absorption spectroscopic analyses for intercalative nanohybrids with low crystallinity. Arabian Journal of Chemistry, 2016, 9, 190-205.	2.3	26
132	Effect of Flow-Induced Shear Stress in Nanomaterial Uptake by Cells: Focus on Targeted Anti-Cancer Therapy. Cancers, 2020, 12, 1916.	1.7	26
133	Novel grafted nafion membranes for protonâ€exchange membrane fuel cell applications. Journal of Applied Polymer Science, 2011, 119, 120-133.	1.3	24
134	Preparation and characterization of novel grafted cellophaneâ€phosphoric acidâ€doped membranes for proton exchange membrane fuelâ€cell applications. Journal of Applied Polymer Science, 2012, 123, 3710-3724.	1.3	24
135	Highly Ordered Nanoporous Carbon Films with Tunable Pore Diameters and their Excellent Sensing Properties. Chemistry - A European Journal, 2015, 21, 697-703.	1.7	24
136	Facile Assembly of Aligned Magnetic Nanoparticle Chains in Polymer Nanocomposite Films by Magnetic Flow Coating. ACS Applied Materials & Interfaces, 2017, 9, 11290-11298.	4.0	24
137	Facile synthesis of metal-polyphenol-formaldehyde coordination polymer colloidal nanoparticles with sub-50 nm for T1-weighted magnetic resonance imaging. Chinese Chemical Letters, 2021, 32, 842-848.	4.8	24
138	Streamlined Mesoporous Silica Nanoparticles with Tunable Curvature from Interfacial Dynamic-Migration Strategy for Nanomotors. Nano Letters, 2021, 21, 6071-6079.	4.5	24
139	Titanium Carbide (Ti₃C₂T_x) MXene Ornamented with Palladium Nanoparticles for Electrochemical CO Oxidation. Electroanalysis, 2022, 34, 677-683.	1.5	24
140	Removal of cadmium ions from synthetic aqueous solutions with a novel nanosulfonated poly(glycidyl methacrylate) cation exchanger: Kinetic and equilibrium studies. Journal of Applied Polymer Science, 2010, 118, 3111-3122.	1.3	23
141	Ecotoxicological Assessment of Thermally- and Hydrogen-Reduced Graphene Oxide/TiO2 Photocatalytic Nanocomposites Using the Zebrafish Embryo Model. Nanomaterials, 2019, 9, 488.	1.9	23
142	A comprehensive review summarizing the recent biomedical applications of functionalized carbon nanofibers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1893-1908.	1.6	23
143	Calix[4]arene-clicked clay through thiol-yne addition for the molecular recognition and removal of Cd(II) from wastewater. Separation and Purification Technology, 2020, 251, 117383.	3.9	22
144	Tailoring the defects of sub-100 nm multipodal titanium nitride/oxynitride nanotubes for efficient water splitting performance. Nanoscale Advances, 2021, 3, 5016-5026.	2.2	21

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145	Poly (acrylonitrile-co-methyl methacrylate) nanoparticles: I. Preparation and characterization. Arabian Journal of Chemistry, 2017, 10, 1153-1166.	2.3	19
146	Data on the catalytic CO oxidation and CO2 reduction durability on gC3N4 nanotubes Co-doped atomically with Pd and Cu. Data in Brief, 2019, 26, 104495.	0.5	19
147	Facile method for the synthesis of silver nanoparticles using 3-hydrazino-isatin derivatives in aqueous methanol and their antibacterial activity. International Journal of Nanomedicine, 2014, 9, 1167.	3.3	17
148	Stepwise construction of Pt decorated oxygen-deficient mesoporous titania microspheres with core-shell structure and magnetic separability for efficient visible-light photocatalysis. Chinese Chemical Letters, 2020, 31, 1598-1602.	4.8	17
149	Covalent immobilization of Î²â€galactosidase onto aminoâ€functionalized PVC microspheres. Journal of Applied Polymer Science, 2012, 125, 1724-1735.	1.3	16
150	Evaluation of the Cytotoxic Behavior of Fungal Extracellular Synthesized Ag Nanoparticles Using Confocal Laser Scanning Microscope. International Journal of Molecular Sciences, 2016, 17, 329.	1.8	16
151	A versatile in situ etching-growth strategy for synthesis of yolkâ€“shell structured periodic mesoporous organosilica nanocomposites. RSC Advances, 2016, 6, 51470-51479.	1.7	16
152	PVA/Chitosan/Silver Nanoparticles Electrospun Nanocomposites: Molecular Relaxations Investigated by Modern Broadband Dielectric Spectroscopy. Nanomaterials, 2018, 8, 888.	1.9	16
153	Sequential Chemistry Toward Coreâ€“Shell Structured Metal Sulfides as Stable and Highly Efficient Visibleâ€Light Photocatalysts. Angewandte Chemie, 2020, 132, 3313-3319.	1.6	16
154	Nanofiber composites containing N-heterocyclic carbene complexes with antimicrobial activity. International Journal of Nanomedicine, 2012, 7, 2829.	3.3	15
155	The isopropylation of naphthalene with propene over H-mordenite: The catalysis at the internal and external acid sites. Journal of Molecular Catalysis A, 2014, 395, 543-552.	4.8	15
156	Ordered, Highly Zeolitized Mesoporous Aluminosilicates Produced by a Gradient Acidic Assembly Growth Strategy in a Mixed Template System. Chemistry of Materials, 2016, 28, 4859-4866.	3.2	14
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