

# Ahmed A Elzatahry

## List of Publications by Citations

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194  
papers

9,984  
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56  
h-index

93  
g-index

200  
ext. papers

11,803  
ext. citations

9.3  
avg, IF

6.61  
L-index

#	Paper	IF	Citations
194	From Water Oxidation to Reduction: Homologous Ni <sub>1-x</sub> Co <sub>x</sub> Based Nanowires as Complementary Water Splitting Electrocatalysts. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1402031	21.8	372
193	A Perspective on Mesoporous TiO <sub>2</sub> Materials. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 287-298	9.6	366
192	Sol-gel design strategy for ultradispersed TiO <sub>2</sub> nanoparticles on graphene for high-performance lithium ion batteries. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18300-3	16.4	313
191	General strategy to synthesize uniform mesoporous TiO <sub>2</sub> /graphene/mesoporous TiO <sub>2</sub> sandwich-like nanosheets for highly reversible lithium storage. <i>Nano Letters</i> , <b>2015</b> , 15, 2186-93	11.5	248
190	Highly reversible and large lithium storage in mesoporous Si/C nanocomposite anodes with silicon nanoparticles embedded in a carbon framework. <i>Advanced Materials</i> , <b>2014</b> , 26, 6749-55	24	234
189	Mesoporous titania: From synthesis to application. <i>Nano Today</i> , <b>2012</b> , 7, 344-366	17.9	230
188	Synthesis of 2D-Mesoporous-Carbon/MoS <sub>2</sub> Heterostructures with Well-Defined Interfaces for High-Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 9385-9390	24	218
187	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1706-1713	16.4	216
186	Design, synthesis and applications of core-shell, hollow core, and nanorattle multifunctional nanostructures. <i>Nanoscale</i> , <b>2016</b> , 8, 2510-31	7.7	216
185	Highly ordered mesoporous tungsten oxides with a large pore size and crystalline framework for H <sub>2</sub> S sensing. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9035-40	16.4	215
184	An Interface Coassembly in Biliquid Phase: Toward Core-Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13282-9	16.4	208
183	Nitrogen-doped ordered mesoporous carbons based on cyanamide as the dopant for supercapacitor. <i>Carbon</i> , <b>2015</b> , 84, 335-346	10.4	192
182	Core-shell structured titanium dioxide nanomaterials for solar energy utilization. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 8203-8237	58.5	180
181	Uniform Ordered Two-Dimensional Mesoporous TiO <sub>2</sub> Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4135-4143	16.4	170
180	Plasmolysis-Inspired Nanoengineering of Functional Yolk-Shell Microspheres with Magnetic Core and Mesoporous Silica Shell. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15486-15493	16.4	146
179	Mesoporous Tungsten Oxides with Crystalline Framework for Highly Sensitive and Selective Detection of Foodborne Pathogens. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10365-10373	16.4	142
178	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. <i>ACS Central Science</i> , <b>2017</b> , 3, 839-846	16.8	140

177	Synthesis of Ordered Mesoporous Silica with Tunable Morphologies and Pore Sizes via a Nonpolar Solvent-Assisted Stober Method. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2356-2362	9.6	131
176	Ultrahigh capacitive deionization performance by 3D interconnected MOF-derived nitrogen-doped carbon tubes. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124493	14.7	127
175	Polymer-Based Electrospun Nanofibers for Biomedical Applications. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	126
174	Solar-driven photoelectrochemical probing of nanodot/nanowire/cell interface. <i>Nano Letters</i> , <b>2014</b> , 14, 2702-8	11.5	123
173	Review of recent research on biomedical applications of electrospun polymer nanofibers for improved wound healing. <i>Nanomedicine</i> , <b>2016</b> , 11, 715-37	5.6	121
172	Single-micelle-directed synthesis of mesoporous materials. <i>Nature Reviews Materials</i> , <b>2019</b> , 4, 775-791	73.3	118
171	A Micelle Fusion-Aggregation Assembly Approach to Mesoporous Carbon Materials with Rich Active Sites for Ultrasensitive Ammonia Sensing. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12586-95	16.4	116
170	Porous MXenes: Synthesis, structures, and applications. <i>Nano Today</i> , <b>2020</b> , 30, 100803	17.9	115
169	Nanoengineering of Core-Shell Magnetic Mesoporous Microspheres with Tunable Surface Roughness. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4954-4961	16.4	113
168	Myriophyllum-like hierarchical TiN@Ni <sub>3</sub> N nanowire arrays for bifunctional water splitting catalysts. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5713-5718	13	112
167	Radially oriented mesoporous TiO <sub>2</sub> microspheres with single-crystal-like anatase walls for high-efficiency optoelectronic devices. <i>Science Advances</i> , <b>2015</b> , 1, e1500166	14.3	106
166	Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1707612	24	106
165	Ni <sub>2</sub> Co <sub>1</sub> alloy nanoparticle-doped carbon nanofibers as effective non-precious catalyst for ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 305-316	6.7	98
164	Ordered porous metal oxide semiconductors for gas sensing. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 405-416	6.1	94
163	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17450-9	9.5	92
162	Nanocatalysis on Supported Oxides for CO Oxidation. <i>Topics in Catalysis</i> , <b>2008</b> , 47, 22-31	2.3	90
161	Surfactant-templating strategy for ultrathin mesoporous TiO <sub>2</sub> coating on flexible graphitized carbon supports for high-performance lithium-ion battery. <i>Nano Energy</i> , <b>2016</b> , 25, 80-90	17.1	90
160	Hydrothermal synthesis of ordered mesoporous carbons from a biomass-derived precursor for electrochemical capacitors. <i>Nanoscale</i> , <b>2014</b> , 6, 14657-61	7.7	84

159	Photoelectrochemical Conversion from Graphitic C <sub>3</sub> N <sub>4</sub> Quantum Dot Decorated Semiconductor Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12772-9	9.5	84
158	Synthesis of uniform ordered mesoporous TiO microspheres with controllable phase junctions for efficient solar water splitting. <i>Chemical Science</i> , <b>2019</b> , 10, 1664-1670	9.4	82
157	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10009-10015	16.4	80
156	Synthesis of hierarchically porous carbon spheres with yolk-shell structure for high performance supercapacitors. <i>Catalysis Today</i> , <b>2015</b> , 243, 199-208	5.3	80
155	Drug/clay nanohybrids as sustained delivery systems. <i>Applied Clay Science</i> , <b>2016</b> , 130, 20-32	5.2	79
154	Recent advances in functional nanostructures as cancer photothermal therapy. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 2897-2906	7.3	75
153	Ordered Mesoporous Alumina with Ultra-Large Pores as an Efficient Absorbent for Selective Bioenrichment. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2211-2217	9.6	72
152	Chelation-assisted soft-template synthesis of ordered mesoporous zinc oxides for low concentration gas sensing. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15064-15071	13	68
151	PtNiO/C anode electrocatalysts for direct methanol fuel cells. <i>Electrochimica Acta</i> , <b>2012</b> , 59, 499-508	6.7	68
150	A template-catalyzed in situ polymerization and co-assembly strategy for rich nitrogen-doped mesoporous carbon. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3162-3170	13	66
149	Mesoporous Silica Thin Membranes with Large Vertical Mesochannels for Nanosize-Based Separation. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702274	24	65
148	A Magnetic-Field Guided Interface Coassembly Approach to Magnetic Mesoporous Silica Nanochains for Osteoclast-Targeted Inhibition and Heterogeneous Nanocatalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707515	24	64
147	Mesoporous TiO <sub>2</sub> Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. <i>ACS Central Science</i> , <b>2015</b> , 1, 400-8	16.8	63
146	Ordered Mesoporous Tin Oxide Semiconductors with Large Pores and Crystallized Walls for High-Performance Gas Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1871-1880	9.5	63
145	Recent Overviews in Functional Polymer Composites for Biomedical Applications. <i>Polymers</i> , <b>2018</b> , 10,	4.5	63
144	Synthesis, characterization, and antimicrobial properties of novel double layer nanocomposite electrospun fibers for wound dressing applications. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2205-2213	7.3	61
143	Nanocatalysis on tailored shape supports: Au and Pd nanoparticles supported on MgO nanocubes and ZnO nanobelts. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 21387-93	3.4	60
142	Epitaxial Growth of Lattice-Mismatched Core-Shell TiO <sub>2</sub> @MoS <sub>2</sub> for Enhanced Lithium-Ion Storage. <i>Small</i> , <b>2016</b> , 12, 2792-9	11	59

141	Carbon/nitrogen-doped TiO <sub>2</sub> : New synthesis route, characterization and application for phenol degradation. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, 229-237	5.9	58
140	Magnetic yolk-shell structured anatase-based microspheres loaded with Au nanoparticles for heterogeneous catalysis. <i>Nano Research</i> , <b>2015</b> , 8, 238-245	10	58
139	Hollow TiO <sub>2</sub> porous microspheres composed of well-crystalline nanocrystals for high-performance lithium-ion batteries. <i>Nano Research</i> , <b>2016</b> , 9, 165-173	10	58
138	Two-Dimensional Mesoporous Heterostructure Delivering Superior Pseudocapacitive Sodium Storage via Bottom-Up Monomicelle Assembly. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16755-16762	16.4	56
137	Ordered Macro/Mesoporous TiO <sub>2</sub> Hollow Microspheres with Highly Crystalline Thin Shells for High-Efficiency Photoconversion. <i>Small</i> , <b>2016</b> , 12, 860-7	11	56
136	A perspective on magnetic core-shell carriers for responsive and targeted drug delivery systems. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 1707-1723	7.3	54
135	Synthesis and electrochemical properties of nickel oxide/carbon nanofiber composites. <i>Carbon</i> , <b>2014</b> , 71, 276-283	10.4	54
134	Nickel oxide/nitrogen doped carbon nanofibers catalyst for methanol oxidation in alkaline media. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 774-780	6.7	54
133	Constructing Three-Dimensional Mesoporous Bouquet-Posy-like TiO Superstructures with Radially Oriented Mesochannels and Single-Crystal Walls. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 517-526	16.4	53
132	Core-Shell Magnetic Mesoporous Silica Microspheres with Large Mesopores for Enzyme Immobilization in Biocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10356-10363	9.5	53
131	Fully solar-powered photoelectrochemical conversion for simultaneous energy storage and chemical sensing. <i>Nano Letters</i> , <b>2014</b> , 14, 3668-73	11.5	52
130	Rational design of a stable peroxidase mimic for colorimetric detection of HO and glucose: A synergistic CeO/Zeolite Y nanocomposite. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 535, 425-435	9.3	51
129	Confined Interfacial Monomicelle Assembly for Precisely Controlled Coating of Single-Layered Titania Mesopores. <i>Matter</i> , <b>2019</b> , 1, 527-538	12.7	50
128	Templated Fabrication of Core-Shell Magnetic Mesoporous Carbon Microspheres in 3-Dimensional Ordered Macroporous Silicas. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3316-3321	9.6	48
127	Review of Clay-Drug Hybrid Materials for Biomedical Applications: Administration Routes. <i>Clays and Clay Minerals</i> , <b>2016</b> , 64, 115-130	2.1	48
126	Template-free synthesis of uniform magnetic mesoporous TiO <sub>2</sub> nanospindles for highly selective enrichment of phosphopeptides. <i>Materials Horizons</i> , <b>2014</b> , 1, 439	14.4	47
125	Preparation and characterization of metronidazole-loaded chitosan nanoparticles for drug delivery application. <i>Polymers for Advanced Technologies</i> , <b>2008</b> , 19, 1787-1791	3.2	46
124	Sequential Chemistry Toward Core-Shell Structured Metal Sulfides as Stable and Highly Efficient Visible-Light Photocatalysts. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3287-3293	16.4	44

123	Ordered Macro-/Mesoporous Anatase Films with High Thermal Stability and Crystallinity for Photoelectrocatalytic Water-Splitting. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301725	21.8	42
122	Direct imaging Au nanoparticle migration inside mesoporous silica channels. <i>ACS Nano</i> , <b>2014</b> , 8, 10455-6067	6.7	40
121	Direct Immersion Annealing of Thin Block Copolymer Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21639-45	9.5	39
120	Recyclable Fenton-like catalyst based on zeolite Y supported ultrafine, highly-dispersed Fe <sub>2</sub> O <sub>3</sub> nanoparticles for removal of organics under mild conditions. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 324-330	8.1	39
119	Mesoporous TiO <sub>2</sub> Microspheres with Precisely Controlled Crystallites and Architectures. <i>Chem</i> , <b>2018</b> , 4, 2436-2450	16.2	38
118	Freestanding eggshell membrane-based electrodes for high-performance supercapacitors and oxygen evolution reaction. <i>Nanoscale</i> , <b>2015</b> , 7, 14378-84	7.7	37
117	High Performance Perovskite Hybrid Solar Cells with E-beam-Processed TiO <sub>x</sub> Electron Extraction Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1876-83	9.5	37
116	Tricomponent Coassembly Approach To Synthesize Ordered Mesoporous Carbon/Silica Nanocomposites and Their Derivative Mesoporous Silicas with Dual Porosities. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 2438-2444	9.6	37
115	Magnetic mesoporous nanospheres anchored with LyP-1 as an efficient pancreatic cancer probe. <i>Biomaterials</i> , <b>2017</b> , 115, 9-18	15.6	37
114	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8425-9	16.4	37
113	Polyacrylamide-grafted carboxymethyl cellulose: Smart pH-sensitive hydrogel for protein concentration. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 469-479	2.9	37
112	Influence of anionic surface modifiers on the thermal stability and mechanical properties of layered double hydroxide/polypropylene nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22730-22738	13	36
111	Rational synthesis, characterization, and application of environmentally friendly (polymer/carbon dot) hybrid composite film for fast and efficient UV-assisted Cd <sup>2+</sup> removal from water. <i>Environmental Sciences Europe</i> , <b>2020</b> , 32,	5	36
110	Rational Synthesis of Porous Graphitic-like Carbon Nitride Nanotubes Codoped with Au and Pd as an Efficient Catalyst for Carbon Monoxide Oxidation. <i>Langmuir</i> , <b>2019</b> , 35, 3421-3431	4	35
109	Engineering graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) for catalytic reduction of CO <sub>2</sub> to fuels and chemicals: strategy and mechanism. <i>Green Chemistry</i> , <b>2021</b> , 23, 5394-5428	10	35
108	Evaluation of alginate-chitosan bioadhesive beads as a drug delivery system for the controlled release of theophylline. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 2452-2459	2.9	34
107	Unraveling template-free fabrication of carbon nitride nanorods codoped with Pt and Pd for efficient electrochemical and photoelectrochemical carbon monoxide oxidation at room temperature. <i>Nanoscale</i> , <b>2019</b> , 11, 11755-11764	7.7	32
106	Rational synthesis of one-dimensional carbon nitride-based nanofibers atomically doped with Au/Pd for efficient carbon monoxide oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 17943-17953	6.7	31

105	Plasmonic MXene-based nanocomposites exhibiting photothermal therapeutic effects with lower acute toxicity than pure MXene. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 4529-4539	7.3	30
104	Unveiling Fabrication and Environmental Remediation of MXene-Based Nanoarchitectures in Toxic Metals Removal from Wastewater: Strategy and Mechanism. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	30
103	High electrocatalytic performance of nitrogen-doped carbon nanofiber-supported nickel oxide nanocomposite for methanol oxidation in alkaline medium. <i>Applied Surface Science</i> , <b>2017</b> , 401, 306-313	6.7	29
102	Free-standing highly ordered mesoporous carbon/silica composite thin films. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13490	13	29
101	Nano-sulphonated poly (glycidyl methacrylate) cations exchanger for cadmium ions removal: Effects of operating parameters. <i>Desalination</i> , <b>2011</b> , 279, 152-162	10.3	28
100	The Recent Advances in the Mechanical Properties of Self-Standing Two-Dimensional MXene-Based Nanostructures: Deep Insights into the Supercapacitor. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	28
99	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31309-31318	9.5	27
98	Precise fabrication of porous one-dimensional gC3N4 nanotubes doped with Pd and Cu atoms for efficient CO oxidation and CO2 reduction. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 107, 107460	3.1	27
97	Enhancement of gemcitabine against pancreatic cancer by loading in mesoporous silica vesicles. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 531-536	8.1	27
96	TiO2-pillared clays with well-ordered porous structure and excellent photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 8210-8215	3.7	26
95	Interfacial engineering for high performance organic photovoltaics. <i>Materials Today</i> , <b>2016</b> , 19, 169-177	21.8	26
94	3D Interconnected Mesoporous Alumina with Loaded Hemoglobin as a Highly Active Electrochemical Biosensor for H <sub>2</sub> O <sub>2</sub> . <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800149	10.1	25
93	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15863-15868	16.4	25
92	Nanoclay compatibilization of phase separated polysulfone/polyimide films for oxygen barrier. <i>Applied Clay Science</i> , <b>2017</b> , 137, 123-134	5.2	24
91	Sputtering of Electrospun Polymer-Based Nanofibers for Biomedical Applications: A Perspective. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	24
90	Highly Ordered Mesoporous Tungsten Oxides with a Large Pore Size and Crystalline Framework for H <sub>2</sub> S Sensing. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9181-9186	3.6	24
89	Synthesis, structure and catalytic activity of nano-structured SrRuO <sub>3</sub> type perovskite for hydrogen production. <i>Applied Catalysis A: General</i> , <b>2010</b> , 378, 151-159	5.1	24
88	Highly dispersed Pt nanoparticles on ultrasmall EMT zeolite: A peroxidase-mimic nanoenzyme for detection of H <sub>2</sub> O <sub>2</sub> or glucose. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 570, 300-311	9.3	22

87	An Efficient Emulsion-Induced Interface Assembly Approach for Rational Synthesis of Mesoporous Carbon Spheres with Versatile Architectures. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002488	15.6	22
86	A systematic investigation of the bio-toxicity of core-shell magnetic mesoporous silica microspheres using zebrafish model. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 265, 195-201	5.3	22
85	Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16446-16453	13	22
84	Ordered mesoporous silica/polyvinylidene fluoride composite membranes for effective removal of water contaminants. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3850-3857	13	22
83	X-ray diffraction and X-ray absorption spectroscopic analyses for intercalative nanohybrids with low crystallinity. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, 190-205	5.9	22
82	Interface Coassembly and Polymerization on Magnetic Colloids: Toward Core-Shell Functional Mesoporous Polymer Microspheres and Their Carbon Derivatives. <i>Advanced Science</i> , <b>2020</b> , 7, 2000443	13.6	21
81	Post-Heat Treatment and Mechanical Assessment of Polyvinyl Alcohol Nanofiber Sheet Fabricated by Electrospinning Technique. <i>International Journal of Polymer Science</i> , <b>2014</b> , 2014, 1-6	2.4	21
80	Fabrication of fouling resistant Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene)/cellulose acetate nanocomposite membrane for forward osmosis application. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 38, 101551	6.7	21
79	Scalable synthesis of mesoporous titania microspheres via spray-drying method. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 479, 150-159	9.3	21
78	Broadening microwave absorption via a multi-domain structure. <i>APL Materials</i> , <b>2017</b> , 5, 046104	5.7	20
77	Synthesis of Podlike Magnetic Mesoporous Silica Nanochains for Use as Enzyme Support and Nanostirrer in Biocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 17901-17908	9.5	20
76	Highly ordered nanoporous carbon films with tunable pore diameters and their excellent sensing properties. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 697-703	4.8	19
75	Intercalative Ion-Exchange Route to Amino Acid Layered Double Hydroxide Nanohybrids and Their Sorption Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 925-930	2.3	19
74	Novel grafted nafion membranes for proton-exchange membrane fuel cell applications. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 120-133	2.9	19
73	Rational synthesis of three-dimensional core-double shell upconversion nanodendrites with ultrabright luminescence for bioimaging application. <i>Chemical Science</i> , <b>2019</b> , 10, 7591-7599	9.4	18
72	Melt Electrospinning Designs for Nanofiber Fabrication for Different Applications. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	18
71	Hollow Mesoporous Carbon Nanospheres Loaded with Pt Nanoparticles for Colorimetric Detection of Ascorbic Acid and Glucose. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 4586-4598	5.6	18
70	Facile Assembly of Aligned Magnetic Nanoparticle Chains in Polymer Nanocomposite Films by Magnetic Flow Coating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11290-11298	9.5	17

69	Ecotoxicological Assessment of Thermally- and Hydrogen-Reduced Graphene Oxide/TiO <sub>2</sub> Photocatalytic Nanocomposites Using the Zebrafish Embryo Model. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	17
68	MXene Nanosheets May Induce Toxic Effect on the Early Stage of Embryogenesis. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 364-372	4	17
67	Removal of cadmium ions from synthetic aqueous solutions with a novel nanosulfonated poly(glycidyl methacrylate) cation exchanger: Kinetic and equilibrium studies. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 3111-3122	2.9	16
66	Poly (acrylonitrile-co-methyl methacrylate) nanoparticles: I. Preparation and characterization. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, 1153-1166	5.9	15
65	Data on the catalytic CO oxidation and CO reduction durability on gCN nanotubes Co-doped atomically with Pd and Cu. <i>Data in Brief</i> , <b>2019</b> , 26, 104495	1.2	15
64	Preparation and characterization of novel grafted cellophane-phosphoric acid-doped membranes for proton exchange membrane fuel-cell applications. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 3710-3724	2.9	15
63	Covalent immobilization of $\beta$ -galactosidase onto amino-functionalized PVC microspheres. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1724-1735	2.9	15
62	A versatile in situ etching-growth strategy for synthesis of yolk-shell structured periodic mesoporous organosilica nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 51470-51479	3.7	15
61	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. <i>Renewable Energy</i> , <b>2020</b> , 153, 998-1004	8.1	14
60	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8545-8549	3.6	14
59	Facile method for the synthesis of silver nanoparticles using 3-hydrazino-isatin derivatives in aqueous methanol and their antibacterial activity. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 1167-743	7.3	14
58	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. <i>Green Chemistry</i> , <b>2020</b> , 22, 5437-5446	10	14
57	Highly exfoliated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanosheets atomically doped with Cu for efficient electrochemical CO <sub>2</sub> reduction: an experimental and theoretical study. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1965-1975	13	13
56	Sequential Chemistry Toward Core-shell Structured Metal Sulfides as Stable and Highly Efficient Visible-Light Photocatalysts. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3313-3319	3.6	13
55	Calix[4]arene-clicked clay through thiol-yne addition for the molecular recognition and removal of Cd(II) from wastewater. <i>Separation and Purification Technology</i> , <b>2020</b> , 251, 117383	8.3	13
54	Effect of Flow-Induced Shear Stress in Nanomaterial Uptake by Cells: Focus on Targeted Anti-Cancer Therapy. <i>Cancers</i> , <b>2020</b> , 12,	6.6	13
53	Evaluation of the Cytotoxic Behavior of Fungal Extracellular Synthesized Ag Nanoparticles Using Confocal Laser Scanning Microscope. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 329	6.3	13
52	Nanofiber composites containing N-heterocyclic carbene complexes with antimicrobial activity. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 2829-32	7.3	12

51	Controlled release of migration of molluscicidal saponin from different types of polymers containing <i>Calendula officinalis</i> . <i>Advances in Polymer Technology</i> , <b>2001</b> , 20, 305-311	1.9	11
50	Stepwise construction of Pt decorated oxygen-deficient mesoporous titania microspheres with core-shell structure and magnetic separability for efficient visible-light photocatalysis. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1598-1602	8.1	11
49	Ordered, Highly Zeolitized Mesoporous Aluminosilicates Produced by a Gradient Acidic Assembly Growth Strategy in a Mixed Template System. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4859-4866	9.6	10
48	Dispersion morphology and correlation to moduli using buckling metrology in clay-biopolymer nanocomposite thin films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13378-88	9.5	10
47	Facile synthesis of metal-polyphenol-formaldehyde coordination polymer colloidal nanoparticles with sub-50 nm for T1-weighted magnetic resonance imaging. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 842-848	8.1	10
46	A facile biliquid-interface co-assembly synthesis of mesoporous vesicles with large pore sizes. <i>CrystEngComm</i> , <b>2016</b> , 18, 4343-4348	3.3	9
45	Biological Screening of Newly Synthesized BIAN N-Heterocyclic Gold Carbene Complexes in Zebrafish Embryos. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 24718-31	6.3	9
44	The isopropylation of naphthalene with propene over H-mordenite: The catalysis at the internal and external acid sites. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 395, 543-552		9
43	Enhancement of the Passive Direct Methanol Fuel Cells Performance by Modification of the Cathode Microporous Layer Using Carbon Nanofibers. <i>Fuel Cells</i> , <b>2014</b> , 14, 607-613	2.9	9
42	PVA/Chitosan/Silver Nanoparticles Electrospun Nanocomposites: Molecular Relaxations Investigated by Modern Broadband Dielectric Spectroscopy. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	9
41	Streamlined Mesoporous Silica Nanoparticles with Tunable Curvature from Interfacial Dynamic-Migration Strategy for Nanomotors. <i>Nano Letters</i> , <b>2021</b> , 21, 6071-6079	11.5	9
40	High Electrocatalytic Performance of CuCoNi@CNTs Modified Glassy Carbon Electrode towards Methanol Oxidation in Alkaline Medium. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 64	2.6	8
39	Smart design of exquisite multidimensional multilayered sand-clock-like upconversion nanostructures with ultrabright luminescence as efficient luminescence probes for bioimaging application. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 527	5.8	8
38	Electrocatalysts: From Water Oxidation to Reduction: Homologous Ni <sub>10</sub> Based Nanowires as Complementary Water Splitting Electrocatalysts (Adv. Energy Mater. 9/2015). <i>Advanced Energy Materials</i> , <b>2015</b> , 5,	21.8	7
37	Data on the synthesis and characterizations of carboxylated carbon-based catalyst from eucalyptus as efficient and reusable catalysts for hydrolysis of eucalyptus. <i>Data in Brief</i> , <b>2020</b> , 30, 105520	1.2	7
36	Organ-specific toxicity evaluation of stearamidopropyl dimethylamine (SAPDMA) surfactant using zebrafish embryos. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 140450	10.2	7
35	A comprehensive review summarizing the recent biomedical applications of functionalized carbon nanofibers. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2021</b> , 109, 1893-1908	3.5	7
34	Tailoring the defects of sub-100 nm multipodal titanium nitride/oxynitride nanotubes for efficient water splitting performance. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 5016-5026	5.1	7

33	Template synthesis of metal tungsten nanowire bundles with high field electron emission performance. <i>RSC Advances</i> , <b>2016</b> , 6, 62668-62674	3.7	6
32	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16010-16015	3.6	6
31	Recent Trends in Electrospinning of Polymer Nanofibers and their Applications as Templates for Metal Oxide Nanofibers Preparation <b>2016</b> ,		6
30	Recent advance in synthesis and application of heteroatom zeolites. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 328-338	8.1	6
29	Hierarchically Patterned Elastomeric and Thermoplastic Polymer Films through Nanoimprinting and Ultraviolet Light Exposure. <i>ACS Omega</i> , <b>2018</b> , 3, 15426-15434	3.9	6
28	Facile Synthesis of Crystalline Nanoporous GaN Templated by Nitrogen Enriched Mesoporous Carbon Nitride for Friedel-Crafts Reaction. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6062-6068	1.8	5
27	Covalent Immobilization of Galactosidase onto Amino-Functionalized Polyvinyl Chloride Microspheres: Enzyme Immobilization and Characterization. <i>Advances in Polymer Technology</i> , <b>2014</b> , 33,	1.9	5
26	Natural rubber base matrix containing Calendula officinalis plant as a source of molluscicidal saponin. <i>Journal of Controlled Release</i> , <b>1999</b> , 57, 1-7	11.7	5
25	Lanthanide oxide modified H-Mordenites: Deactivation of external acid sites in the isopropylation of naphthalene. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 230, 217-226	5.3	4
24	Vertical orientation of solvent cast nanofilled PS-b-PEO block copolymer thin films at high nanoparticle loading. <i>Polymer</i> , <b>2016</b> , 82, 22-31	3.9	4
23	Soft-shear induced phase-separated nanoparticle string-structures in polymer thin films. <i>Faraday Discussions</i> , <b>2016</b> , 186, 31-43	3.6	4
22	Highly Dispersed and Active Iron Oxide Nanoparticles in SBA-15 with Different Pore Sizes for the Synthesis of Diphenylmethane. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 1618-1626	2.3	4
21	Organosilica: Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications (Adv. Mater. 38/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970273	24	3
20	Synthesis and characterization of CoMnO nanofibers supported on a graphite disk: Novel strategy for nanofibers immobilization. <i>Materials Research Bulletin</i> , <b>2014</b> , 49, 503-508	5.1	3
19	Engineering of Pt-based nanostructures for efficient dry (CO <sub>2</sub> ) reforming: Strategy and mechanism for rich-hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 5901-5928	6.7	3
18	Significant Toxic Effect of Carbon Nanofibers at the Early Stage of Embryogenesis. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 975-984	4	3
17	A review of MXenes as emergent materials for dye removal from wastewater. <i>Separation and Purification Technology</i> , <b>2021</b> , 282, 120083	8.3	3
16	Designed electrochemical sensor based on metallocene modified conducting polymer composite for effective determination of tramadol in real samples. <i>Canadian Journal of Chemistry</i> , <b>2021</b> , 99, 437-446	8.9	3

15	Dual Imprinted Polymer Thin Films via Pattern Directed Self-Organization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20928-20937	9.5	2
14	Porous high-entropy alloys as efficient electrocatalysts for water-splitting reactions. <i>Electrochemistry Communications</i> , <b>2022</b> , 136, 107207	5.1	2
13	BIAN N-Heterocyclic Gold Carbene Complexes induced cytotoxicity in human cancer cells via upregulating oxidative stress. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2015</b> , 16, 7003-6	1.7	2
12	Data on the fabrication of hybrid calix [4]arene-modified natural bentonite clay for efficient selective removal of toxic metals from wastewater at room temperature. <i>Data in Brief</i> , <b>2021</b> , 35, 106799 <sup>1,2</sup>		2
11	Enhanced photocatalytic performance of WON@porous TiO nanofibers towards sunlight-assisted degradation of organic contaminants.. <i>RSC Advances</i> , <b>2018</b> , 8, 32747-32755	3.7	2
10	Characterization of MXene as a Cancer Photothermal Agent Under Physiological Conditions. <i>Frontiers in Nanotechnology</i> , <b>2021</b> , 3,	5.5	2
9	Facile one-step aqueous-phase synthesis of porous PtBi nanosponges for efficient electrochemical methanol oxidation with a high CO tolerance. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 916, 116361	4.1	2
8	Nickel Oxide Carbon Nanofiber Composite for Electrochemical Oxidation of Methanol. <i>ECS Transactions</i> , <b>2014</b> , 61, 1-11	1	1
7	Synthesis and Biocide Activity of Polymers Based on Poly(hydroxy styrene) and Poly(hydroxy styrene-co-2-hydroxyethyl methacrylate). <i>Main Group Chemistry</i> , <b>2013</b> , 12, 293-306	0.6	1
6	Mesoporous silica coated carbon nanofibers reduce embryotoxicity via ERK and JNK pathways. <i>Materials Science and Engineering C</i> , <b>2021</b> , 122, 111910	8.3	1
5	Titanium Carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) MXene Ornamented with Pallidum Nanoparticles for Electrochemical CO Oxidation. <i>Electroanalysis</i> ,	3	1
4	Highly stable hybrid single-micelle: a universal nanocarrier for hydrophobic bioimaging agents. <i>Nano Research</i> , 1	10	0
3	Rücktitelbild: Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates (Angew. Chem. 29/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8686-8686	3.6	
2	Parameters Affecting the Migration of Molluscicidal Saponin from Styrene Butadiene Rubber Formulations Containing Phytolacca Dioica L.. <i>Journal of Elastomers and Plastics</i> , <b>2000</b> , 32, 329-345	1.6	
1	Functional Mesoporous Polymer Composites and their Applications: A Review <b>2020</b> , 153-191		