

# Nasir Mahmood

## List of Publications by Citations

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183  
papers

10,195  
citations

50  
h-index

97  
g-index

189  
ext. papers

12,504  
ext. citations

9.7  
avg. IF

6.72  
L-index

#	Paper	IF	Citations
183	Synthesis of phosphorus-doped graphene and its multifunctional applications for oxygen reduction reaction and lithium ion batteries. <i>Advanced Materials</i> , <b>2013</b> , 25, 4932-7	24	810
182	Electrocatalysts for Hydrogen Evolution in Alkaline Electrolytes: Mechanisms, Challenges, and Prospective Solutions. <i>Advanced Science</i> , <b>2018</b> , 5, 1700464	13.6	647
181	Liquid metals: fundamentals and applications in chemistry. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4073-4114	18.5	432
180	Facile Synthesis of Fe <sub>3</sub> O <sub>4</sub> /GCs Composites and Their Enhanced Microwave Absorption Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6101-9	9.5	407
179	Graphene-based nanocomposites for energy storage and conversion in lithium batteries, supercapacitors and fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15-32	13	375
178	Multifunctional g-C(3)N(4) nanofibers: a template-free fabrication and enhanced optical, electrochemical, and photocatalyst properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1258-65	9.5	300
177	Nanostructured Anode Materials for Lithium Ion Batteries: Progress, Challenge and Perspective. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600374	21.8	294
176	Engineering Cobalt Defects in Cobalt Oxide for Highly Efficient Electrocatalytic Oxygen Evolution. <i>ACS Catalysis</i> , <b>2018</b> , 8, 3803-3811	13.1	276
175	Nickel sulfide/nitrogen-doped graphene composites: phase-controlled synthesis and high performance anode materials for lithium ion batteries. <i>Small</i> , <b>2013</b> , 9, 1321-8	11	276
174	Microporous bamboo biochar for lithium-sulfur batteries. <i>Nano Research</i> , <b>2015</b> , 8, 129-139	10	238
173	Tubular graphitic-C <sub>3</sub> N <sub>4</sub> : a prospective material for energy storage and green photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13949	13	211
172	Graphene and its composites with nanoparticles for electrochemical energy applications. <i>Nano Today</i> , <b>2014</b> , 9, 668-683	17.9	204
171	Multifunctional Co <sub>3</sub> S <sub>4</sub> /graphene composites for lithium ion batteries and oxygen reduction reaction. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 5183-90	4.8	204
170	Heterostructured Nanorings of Fe-FeO@C Hybrid with Enhanced Microwave Absorption Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9369-9378	9.5	180
169	Hybrid of Co(3)Sn(2)@Co nanoparticles and nitrogen-doped graphene as a lithium ion battery anode. <i>ACS Nano</i> , <b>2013</b> , 7, 10307-18	16.7	178
168	Oxygen-doped nanoporous carbon nitride via water-based homogeneous supramolecular assembly for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 9-16	21.8	153
167	High-Valence-State NiO/Co <sub>3</sub> O <sub>4</sub> Nanoparticles on Nitrogen-Doped Carbon for Oxygen Evolution at Low Overpotential. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 2177-2182	20.1	150

166	A 3D Trilayered CNT/MoSe <sub>2</sub> /C Heterostructure with an Expanded MoSe <sub>2</sub> Interlayer Spacing for an Efficient Sodium Storage. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900567	21.8	132
165	Electrode Nanostructures in Lithium-Based Batteries. <i>Advanced Science</i> , <b>2014</b> , 1, 1400012	13.6	123
164	Highly active two dimensional $\beta$ -MoO <sub>3</sub> for the electrocatalytic hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24223-24231	13	118
163	Synthesis of novel ZnO hierarchical nanospheres and their applications as electrochemical supercapacitor and hydrogen storage material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13635-41	9.5	118
162	Template free synthesis of CuS nanosheet-based hierarchical microspheres: an efficient natural light driven photocatalyst. <i>CrystEngComm</i> , <b>2014</b> , 16, 5290	3.3	117
161	3D Vertically Aligned and Interconnected Porous Carbon Nanosheets as Sulfur Immobilizers for High Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502518	21.8	115
160	High-Temperature Oxidation-Resistant ZrNB/SiC Nanohybrid for Enhanced Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15869-15880	9.5	110
159	Plasma-induced FeSiAl@Al <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> core-shell structure for exceptional microwave absorption and anti-oxidation at high temperature. <i>Chemical Engineering Journal</i> , <b>2020</b> , 384, 123371	14.7	102
158	Self-Healing Materials from V- and H-Shaped Supramolecular Architectures. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10188-92	16.4	98
157	Chlorine-doped carbonated cobalt hydroxide for supercapacitors with enormously high pseudocapacitive performance and energy density. <i>Nano Energy</i> , <b>2015</b> , 11, 267-276	17.1	89
156	Bifunctional catalysts of Co <sub>3</sub> O <sub>4</sub> @GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. <i>Nano Research</i> , <b>2015</b> , 8, 3725-3736	10	86
155	Electrocatalytic hydrogen evolution under neutral pH conditions: current understandings, recent advances, and future prospects. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 3185-3206	35.4	85
154	Large scale production of novel g-C <sub>3</sub> N <sub>4</sub> micro strings with high surface area and versatile photodegradation ability. <i>CrystEngComm</i> , <b>2014</b> , 16, 1825	3.3	82
153	CoP nanoparticles embedded in P and N co-doped carbon as efficient bifunctional electrocatalyst for water splitting. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1223-1230	12	78
152	Atomically thin two-dimensional metal oxide nanosheets and their heterostructures for energy storage. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 455-480	19.4	76
151	Biological entities as chemical reactors for synthesis of nanomaterials: Progress, challenges and future perspective. <i>Materials Today Chemistry</i> , <b>2018</b> , 8, 13-28	6.2	73
150	Polyamide 6/Multiwalled Carbon Nanotubes Nanocomposites with Modified Morphology and Thermal Properties. <i>Polymers</i> , <b>2013</b> , 5, 1380-1391	4.5	73
149	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , <b>2015</b> , 5, 12389	4.9	70

148	Efficient water oxidation through strongly coupled graphitic C3N4 coated cobalt hydroxide nanowires. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12940-12946	13	70
147	Ultra-small Co/CNTs nanohybrid from metal organic framework with highly efficient microwave absorption. <i>Composites Part B: Engineering</i> , <b>2018</b> , 152, 316-323	10	70
146	Liquid metal-based synthesis of high performance monolayer SnS piezoelectric nanogenerators. <i>Nature Communications</i> , <b>2020</b> , 11, 3449	17.4	69
145	Hierarchical heteroaggregation of binary metal-organic gels with tunable porosity and mixed valence metal sites for removal of dyes in water. <i>Scientific Reports</i> , <b>2015</b> , 5, 10556	4.9	67
144	Unveiling Property of Hydrolysis-Derived DMAPbI for Perovskite Devices: Composition Engineering, Defect Mitigation, and Stability Optimization. <i>IScience</i> , <b>2019</b> , 15, 165-172	6.1	66
143	Fabrication of zero to three dimensional nanostructured molybdenum sulfides and their electrochemical and photocatalytic applications. <i>Nanoscale</i> , <b>2016</b> , 8, 18250-18269	7.7	66
142	Fe3C/helical carbon nanotube hybrid: Facile synthesis and spin-induced enhancement in microwave-absorbing properties. <i>Composites Part B: Engineering</i> , <b>2016</b> , 107, 51-58	10	65
141	Porous Eleocharis@MnPE Layered Hybrid for Synergistic Adsorption and Catalytic Biodegradation of Toxic Azo Dyes from Industrial Wastewater. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2161-2170	10.2	60
140	The synergistic effect between WO3 and g-C3N4 towards efficient visible-light-driven photocatalytic performance. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5462-5469	3.6	60
139	Iron phosphide encapsulated in P-doped graphitic carbon as efficient and stable electrocatalyst for hydrogen and oxygen evolution reactions. <i>Nanoscale</i> , <b>2018</b> , 10, 21327-21334	7.7	58
138	Polarisation insensitive multifunctional metasurfaces based on all-dielectric nanowaveguides. <i>Nanoscale</i> , <b>2018</b> , 10, 18323-18330	7.7	55
137	Ordered intracrystalline pores in planar molybdenum oxide for enhanced alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 257-268	13	52
136	Polyamide-6-based composites reinforced with pristine or functionalized multi-walled carbon nanotubes produced using melt extrusion technique. <i>Journal of Composite Materials</i> , <b>2014</b> , 48, 1197-1207	2.7	52
135	Interface chemistry of two-dimensional heterostructures - fundamentals to applications. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 4684-4729	58.5	51
134	A Dual Protection System for Heterostructured 3D CNT/CoSe/C as High Areal Capacity Anode for Sodium Storage. <i>Advanced Science</i> , <b>2020</b> , 7, 1902907	13.6	50
133	Remarkable improvement in microwave absorption by cloaking a micro-scaled tetrapod hollow with helical carbon nanofibers. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 3024-31	3.6	48
132	Enhanced Optical Performance of BaMgAl10O17:Eu2+ Phosphor by a Novel Method of Carbon Coating. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 2355-2361	3.8	47
131	Control over large-volume changes of lithium battery anodes via active/inactive metal alloy embedded in porous carbon. <i>Nano Energy</i> , <b>2015</b> , 15, 755-765	17.1	46

130	Gas-induced formation of Cu nanoparticle as catalyst for high-purity straight and helical carbon nanofibers. <i>ACS Nano</i> , <b>2012</b> , 6, 8611-9	16.7	46
129	2D Layered Graphitic Carbon Nitride Sandwiched with Reduced Graphene Oxide as Nanoarchitected Anode for Highly Stable Lithium-ion Battery. <i>Electrochimica Acta</i> , <b>2017</b> , 237, 69-77	6.7	45
128	Effects of porous carrier size on biofilm development, microbial distribution and nitrogen removal in microaerobic bioreactors. <i>Bioresource Technology</i> , <b>2017</b> , 234, 360-369	11	45
127	Thermal and mechanical properties of carbon nanotube/epoxy nanocomposites reinforced with pristine and functionalized multiwalled carbon nanotubes. <i>Polymer Composites</i> , <b>2015</b> , 36, 1891-1898	3	45
126	Facile Synthesis of Three-Dimensional Sandwiched MnO@GCs@MnO Hybrid Nanostructured Electrode for Electrochemical Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18872-18882	9.5	43
125	Hybrid silica-carbon bilayers anchoring on FeSiAl surface with bifunctions of enhanced anti-corrosion and microwave absorption. <i>Carbon</i> , <b>2021</b> , 173, 185-193	10.4	43
124	Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Coated with EDTA and Ag Nanoparticles for the Catalytic Reduction of Organic Dyes from Wastewater. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5310-5319	5.6	42
123	Photosensitization of TiO nanofibers by AgS with the synergistic effect of excess surface Ti states for enhanced photocatalytic activity under simulated sunlight. <i>Scientific Reports</i> , <b>2017</b> , 7, 255	4.9	39
122	Synthesis of two-dimensional hematite and iron phosphide for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2789-2797	13	39
121	Cd-doping a facile approach for better thermoelectric transport properties of BiCuSeO oxyselenides. <i>RSC Advances</i> , <b>2016</b> , 6, 33789-33797	3.7	39
120	Preparation of high purity helical carbon nanofibers by the catalytic decomposition of acetylene and their growth mechanism. <i>Carbon</i> , <b>2010</b> , 48, 4535-4541	10.4	39
119	Preparation and microwave-absorbing property of BaFe <sub>12</sub> O <sub>19</sub> nanoparticles and BaFe <sub>12</sub> O <sub>19</sub> /Fe <sub>3</sub> C/CNTs composites. <i>RSC Advances</i> , <b>2015</b> , 5, 91665-91669	3.7	36
118	BiO monolayers from elemental liquid bismuth. <i>Nanoscale</i> , <b>2018</b> , 10, 15615-15623	7.7	36
117	Pristine organo-imido polyoxometalates as an anode for lithium ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 7374	3.7	36
116	3D Hollow Quasi-Graphite Capsules/Polyaniline Hybrid with a High Performance for Room-Temperature Ammonia Gas Sensors. <i>ACS Sensors</i> , <b>2019</b> , 4, 2343-2350	9.2	35
115	Synthesis, properties and novel electrocatalytic applications of the 2D-borophene Xenes. <i>Progress in Solid State Chemistry</i> , <b>2020</b> , 59, 100283	8	35
114	Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 167	19.5	35
113	A brief review for fluorinated carbon: synthesis, properties and applications. <i>Nanotechnology Reviews</i> , <b>2019</b> , 8, 573-586	6.3	35

112	Bioinspired synthesis of zinc oxide nano-flowers: A surface enhanced antibacterial and harvesting efficiency. <i>Materials Science and Engineering C</i> , <b>2021</b> , 119, 111280	8.3	35
111	High Capacity Retention Anode Material for Lithium Ion Battery. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 156-1636.7		34
110	Liquid-Metal Synthesized Ultrathin SnS Layers for High-Performance Broadband Photodetectors. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004247	24	34
109	In Vivo and In Vitro Monitoring of Amyloid Aggregation via BSA@FGQDs Multimodal Probe. <i>ACS Sensors</i> , <b>2019</b> , 4, 200-210	9.2	33
108	SnS <sub>2</sub> /Graphene Composites: Excellent Anode Materials for Lithium Ion Battery and Photolysis Catalysts. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 1667-1675	2.3	32
107	An Upgraded Lithium Ion Battery Based on a Polymeric Separator Incorporated with Anode Active Materials. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803627	21.8	31
106	Synthesis of high-purity CuO nanoleaves and analysis of their ethanol gas sensing properties. <i>RSC Advances</i> , <b>2015</b> , 5, 34788-34794	3.7	31
105	Improved thermoelectric performance of BiCuSeO by Ag substitution at Cu site. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 691, 572-577	5.7	31
104	Self-tunable ultrathin carbon nanocups as the electrode material of sodium-ion batteries with unprecedented capacity and stability. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 578-588	14.7	30
103	Synthesis of silver nanoparticles using <i>Fagonia cretica</i> and their antimicrobial activities. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1707-1713	5.1	29
102	Graphene decorated polymeric flexible materials for lightweight high areal energy lithium-ion batteries. <i>Applied Materials Today</i> , <b>2019</b> , 17, 123-129	6.6	28
101	Non-isothermal oxidation kinetics of FeSiAl alloy powder for microwave absorption at high temperature. <i>Composites Part B: Engineering</i> , <b>2018</b> , 155, 282-287	10	27
100	Semiconductor-to-metallic flipping in a ZnFe <sub>2</sub> O <sub>4</sub> /Graphene based smart nano-system: Temperature/microwave magneto-dielectric spectroscopy. <i>Materials Characterization</i> , <b>2015</b> , 99, 254-265 <sup>3.9</sup>	3.9	26
99	Core-Shell FeSe /C Nanostructures Embedded in a Carbon Framework as a Free Standing Anode for a Sodium Ion Battery. <i>Small</i> , <b>2020</b> , 16, e2002200	11	26
98	Synergic Adsorption-Biodegradation by an Advanced Carrier for Enhanced Removal of High-Strength Nitrogen and Refractory Organics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13188-13200 <sup>9.5</sup>	9.5	24
97	Enhanced thermoelectric efficiency of Cu <sub>2</sub> Se/Cu <sub>2</sub> S composite by incorporating Cu <sub>2</sub> S nanoparticles. <i>Ceramics International</i> , <b>2016</b> , 42, 8395-8401	5.1	24
96	Exfoliation Behavior of van der Waals Strings: Case Study of BiS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42603-42611	9.5	23
95	Role of anions on structure and pseudocapacitive performance of metal double hydroxides decorated with nitrogen-doped graphene. <i>Science China Materials</i> , <b>2015</b> , 58, 114-125	7.1	22



94	A novel strategy to motivate the luminescence efficiency of a phosphor: drilling nanoholes on the surface. <i>Chemical Communications</i> , <b>2018</b> , 54, 3480-3483	5.8	22
93	Vapor-Dissociation Solid Growth of Three-Dimensional Graphite-like Capsules with Delicate Morphology and Atomic-level Thickness Control. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 5040-5048	3.5	22
92	Atomic-Scale Layer-by-Layer Deposition of FeSiAl@ZnO@AlO Hybrid with Threshold Anti-Corrosion and Ultra-High Microwave Absorption Properties in Low-Frequency Bands. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 161	19.5	22
91	Biocompatibility of iron carbide and detection of metals ions signaling proteomic analysis via HPLC/ESI-Orbitrap. <i>Nano Research</i> , <b>2017</b> , 10, 1912-1923	10	21
90	An Efficient Route to Polymeric Electrolyte Membranes with Interparticle Chain Microstructure Toward High-Temperature Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1601236	4.6	21
89	A review of helical carbon materials structure, synthesis and applications. <i>Rare Metals</i> , <b>2021</b> , 40, 3-19	5.5	21
88	Sensing Applications of Atomically Thin Group IV Carbon Siblings Xenos: Progress, Challenges, and Prospects. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005957	15.6	21
87	Superior Magnetoresistance Performance of Hybrid Graphene Foam/Metal Sulfide Nanocrystal Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19397-19403	9.5	20
86	Bifunctional carbon-encapsulated FeSiAl hybrid flakes for enhanced microwave absorption properties and analysis of corrosion resistance. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 828, 154079	5.7	20
85	Mixed-dimensional heterostructures of hydrophobic/hydrophilic graphene foam for tunable hydrogen evolution reaction. <i>Chemosphere</i> , <b>2020</b> , 245, 125607	8.4	20
84	Oxidation behaviour of plasma-sprayed ZrB <sub>2</sub> -SiC coatings. <i>Ceramics International</i> , <b>2019</b> , 45, 2385-2392	5.1	19
83	Controllable synthesis of carbon coils and growth mechanism for twinning double-helix catalyzed by Ni nanoparticle. <i>Composites Part B: Engineering</i> , <b>2014</b> , 61, 350-357	10	18
82	Unlocking the potential of amorphous red phosphorus films as a long-term stable negative electrode for lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1925-1929	13	17
81	Evolution of 2D tin oxides on the surface of molten tin. <i>Chemical Communications</i> , <b>2018</b> , 54, 2102-2105	5.8	17
80	Raman and XPS depth profiling technique to investigate the corrosion behavior of FeSiAl alloy in salt spray environment. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 834, 155075	5.7	16
79	Maximum piezoelectricity in a few unit-cell thick planar ZnO via liquid metal-based synthesis approach. <i>Materials Today</i> , <b>2021</b> , 44, 69-77	21.8	16
78	A Visible-Blind Photodetector and Artificial Optoelectronic Synapse Using Liquid-Metal Exfoliated ZnO Nanosheets. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100449	8.1	16
77	Rationally designed La and Se co-doped bismuth ferrites with controlled bandgap for visible light photocatalysis. <i>RSC Advances</i> , <b>2019</b> , 9, 17148-17156	3.7	15

76	Synthesis, characterization and optical properties of in situ ZnFe <sub>2</sub> O <sub>4</sub> functionalized rGO nano hybrids through modified solvothermal approach. <i>Optical Materials</i> , <b>2015</b> , 45, 69-75	3.3	15
75	Bifunctional water-electrolysis-catalysts meeting band-diagram analysis: case study of BeP□ electrodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 20021-20029	13	15
74	Catalytic growth of multi-walled carbon nanotubes using NiFe <sub>2</sub> O <sub>4</sub> nanoparticles and incorporation into epoxy matrix for enhanced mechanical properties. <i>Journal of Polymer Engineering</i> , <b>2016</b> , 36, 53-64	1.4	15
73	Recent advances in hybrid wet scrubbing techniques for NO and SO removal: State of the art and future research. <i>Chemosphere</i> , <b>2021</b> , 273, 129695	8.4	14
72	Synthesis and growth mechanism of various SiO <sub>2</sub> nanostructures from straight to helical morphologies. <i>Composites Part B: Engineering</i> , <b>2018</b> , 149, 92-98	10	14
71	The role of nitrogen in transition-metal nitrides in electrochemical water splitting. <i>Chem Catalysis</i> , <b>2021</b> , 1, 802-854		13
70	Mechanistic study of graphitic carbon layer and nanosphere formation on the surface of T-ZnO. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 978-985	6.8	12
69	Direct observation of Eu atoms in AlN lattice and the first-principles simulations. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 310-319	3.8	12
68	Two-Step Synthesis of Large-Area 2D Bi <sub>2</sub> S <sub>3</sub> Nanosheets Featuring High In-Plane Anisotropy. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2001131	4.6	12
67	Large-scale preparation of 2D VSe <sub>2</sub> through a defect-engineering approach for efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128494	14.7	12
66	Pronounced effect of ZnTe nanoinclusions on thermoelectric properties of Cu <sub>2</sub> Se chalcogenides. <i>Science China Materials</i> , <b>2016</b> , 59, 135-143	7.1	12
65	Foldable and scrollable graphene paper with tuned interlayer spacing as high areal capacity anodes for sodium-ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 41, 395-403	19.4	12
64	Synthesis of Loureirin B-Loaded Nanoliposomes for Pharmacokinetics in Rat Plasma. <i>ACS Omega</i> , <b>2019</b> , 4, 6914-6922	3.9	11
63	Enhancement in photoluminescence performance of carbon-decorated T-ZnO. <i>Nanotechnology</i> , <b>2015</b> , 26, 125705	3.4	11
62	Carbon Fibers Embedded With Iron Selenide (Fe Se ) as Anode for High-Performance Sodium and Potassium Ion Batteries. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 408	5	11
61	Improved Blue-Emitting AlN:Eu <sup>2+</sup> Phosphors by Alloying with GaN. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 3897-3904	3.8	11
60	Large magnetotransport properties in mixed-dimensional van der Waals heterostructures of graphene foam. <i>Carbon</i> , <b>2020</b> , 159, 648-655	10.4	11
59	Quantitative proteomic analysis of HeLa cells in response to biocompatible FeC@C nanoparticles: O/O-labelling & HPLC-ESI-orbit-trap profiling approach. <i>Toxicology Research</i> , <b>2018</b> , 7, 84-92	2.6	11



58	Controllable preparation of Ni nanoparticles for catalysis of coiled carbon fibers growth. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 370	5	10
57	Plasmonic metal-organic framework nanocomposites enabled by degenerately doped molybdenum oxides. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 588, 305-314	9.3	10
56	Defect-Enhanced Electromagnetic Wave Absorption Property of Hierarchical Graphite Capsules@Helical Carbon Nanotube Hybrid Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28710-28720	9.5	10
55	Phytotoxic Evaluation of Phytosynthesized Silver Nanoparticles on Lettuce. <i>Coatings</i> , <b>2021</b> , 11, 225	2.9	10
54	A mechanistic study of electrode materials for rechargeable batteries beyond lithium ions by in situ transmission electron microscopy. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 2670-2707	35.4	10
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