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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220 papers	17,018 citations	66 h-index	126 g-index
227 ext. papers	19,031 ext. citations	9.9 avg, IF	6.84 L-index

#	Paper	IF	Citations
220	Synthesis, anion exchange, and delamination of Co-Al layered double hydroxide: assembly of the exfoliated nanosheet/polyanion composite films and magneto-optical studies. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 4872-80	16.4	1025
219	Nanosheets of oxides and hydroxides: Ultimate 2D charge-bearing functional crystallites. <i>Advanced Materials</i> , <b>2010</b> , 22, 5082-104	24	781
218	Enhancement of the High-Rate Capability of Solid-State Lithium Batteries by Nanoscale Interfacial Modification. <i>Advanced Materials</i> , <b>2006</b> , 18, 2226-2229	24	592
217	A superlattice of alternately stacked Ni-Fe hydroxide nanosheets and graphene for efficient splitting of water. <i>ACS Nano</i> , <b>2015</b> , 9, 1977-84	16.7	519
216	Selective and controlled synthesis of alpha- and beta-cobalt hydroxides in highly developed hexagonal platelets. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13869-74	16.4	515
215	LiNbO <sub>3</sub> -coated LiCoO <sub>2</sub> as cathode material for all solid-state lithium secondary batteries. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1486-1490	5.1	484
214	Positively Charged Nanosheets Derived via Total Delamination of Layered Double Hydroxides. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4386-4391	9.6	444
213	Exfoliating layered double hydroxides in formamide: a method to obtain positively charged nanosheets. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 3809		430
212	Hydrogen uptake in boron nitride nanotubes at room temperature. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 7672-3	16.4	384
211	Two-dimensional oxide and hydroxide nanosheets: controllable high-quality exfoliation, molecular assembly, and exploration of functionality. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 136-43	24.3	338
210	Nanotubes of lepidocrocite titanates. <i>Chemical Physics Letters</i> , <b>2003</b> , 380, 577-582	2.5	326
209	Synthesis and exfoliation of Co <sup>2+</sup> -Fe <sup>3+</sup> layered double hydroxides: an innovative topochemical approach. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5257-63	16.4	316
208	Large-area graphene-nanomesh/carbon-nanotube hybrid membranes for ionic and molecular nanofiltration. <i>Science</i> , <b>2019</b> , 364, 1057-1062	33.3	291
207	Layered MnO <sub>2</sub> Nanobelts: Hydrothermal Synthesis and Electrochemical Measurements. <i>Advanced Materials</i> , <b>2004</b> , 16, 918-922	24	289
206	Topochemical Synthesis, Anion Exchange, and Exfoliation of Co/Ni Layered Double Hydroxides: A Route to Positively Charged Co/Ni Hydroxide Nanosheets with Tunable Composition. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 371-378	9.6	280
205	Structural features of titanate nanotubes/nanobelts revealed by Raman, X-ray absorption fine structure and electron diffraction characterizations. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 6210-4	3.4	271
204	Fabrication of aluminum-carbon nanotube composites and their electrical properties. <i>Carbon</i> , <b>1999</b> , 37, 855-858	10.4	271

203	Layer-by-layer assembly and spontaneous flocculation of oppositely charged oxide and hydroxide nanosheets into inorganic sandwich layered materials. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8000-7	16.4	264
202	Interfacial modification for high-power solid-state lithium batteries. <i>Solid State Ionics</i> , <b>2008</b> , 179, 1333-1337	13.37	235
201	General synthesis and delamination of highly crystalline transition-metal-bearing layered double hydroxides. <i>Langmuir</i> , <b>2007</b> , 23, 861-7	4	215
200	General synthesis and structural evolution of a layered family of $\text{Ln}_8(\text{OH})_{20}\text{Cl}_4 \times n\text{H}_2\text{O}$ ( $\text{Ln} = \text{Nd}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}, \text{and Y}$ ). <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 16344-50	16.4	212
199	Directly Rolling Nanosheets into Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 2115-2119	3.4	195
198	Topochemical synthesis of monometallic ( $\text{Co}^{2+}$ - $\text{Co}^{3+}$ ) layered double hydroxide and its exfoliation into positively charged $\text{Co}(\text{OH})_2$ nanosheets. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 86-9	16.4	191
197	A general strategy to layered transition-metal hydroxide nanocones: tuning the composition for high electrochemical performance. <i>Advanced Materials</i> , <b>2012</b> , 24, 2148-53	24	190
196	Layer-by-layer assembled multilayer films of titanate nanotubes, Ag- or Au-loaded nanotubes, and nanotubes/nanosheets with polycations. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10382-8	16.4	184
195	Study of electrochemical capacitors utilizing carbon nanotube electrodes. <i>Journal of Power Sources</i> , <b>1999</b> , 84, 126-129	8.9	173
194	Anion-exchangeable layered materials based on rare-earth phosphors: unique combination of rare-earth host and exchangeable anions. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 1177-85	24.3	168
193	Topochemical synthesis of Co-Fe layered double hydroxides at varied Fe/Co ratios: unique intercalation of triiodide and its profound effect. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 613-20	16.4	164
192	Tetrahedral $\text{Co}(\text{II})$ coordination in alpha-type cobalt hydroxide: Rietveld refinement and X-ray absorption spectroscopy. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 3964-9	5.1	162
191	New layered rare-earth hydroxides with anion-exchange properties. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9255-60	4.8	149
190	Molecular-scale heteroassembly of redoxable hydroxide nanosheets and conductive graphene into superlattice composites for high-performance supercapacitors. <i>Advanced Materials</i> , <b>2014</b> , 26, 4173-8	24	144
189	Unilamellar Metallic $\text{MoS}_2$ /Graphene Superlattice for Efficient Sodium Storage and Hydrogen Evolution. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 997-1005	20.1	140
188	Growth and characterization of iron oxide nanorods/nanobelts prepared by a simple iron-water reaction. <i>Small</i> , <b>2006</b> , 2, 422-7	11	132
187	Synthesis and Delamination of Layered Manganese Oxide Nanobelts. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 6504-6512	9.6	131
186	Engineered interfaces of artificial perovskite oxide superlattices via nanosheet deposition process. <i>ACS Nano</i> , <b>2010</b> , 4, 6673-80	16.7	128

185	Exfoliated nanosheet crystallite of cesium tungstate with 2D pyrochlore structure: synthesis, characterization, and photochromic properties. <i>ACS Nano</i> , <b>2008</b> , 2, 1689-95	16.7	122
184	Interface Modulation of Two-Dimensional Superlattices for Efficient Overall Water Splitting. <i>Nano Letters</i> , <b>2019</b> , 19, 4518-4526	11.5	121
183	Flexible Lithium-Ion Fiber Battery by the Regular Stacking of Two-Dimensional Titanium Oxide Nanosheets Hybridized with Reduced Graphene Oxide. <i>Nano Letters</i> , <b>2017</b> , 17, 3543-3549	11.5	119
182	Oriented monolayer film of Gd <sub>2</sub> O <sub>3</sub> :0.05 Eu crystallites: quasi-topotactic transformation of the hydroxide film and drastic enhancement of photoluminescence properties. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 3846-9	16.4	115
181	Growth, Morphology, and Structure of Boron Nitride Nanotubes. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2965-2971	9.7	112
180	Gigantic swelling of inorganic layered materials: a bridge to molecularly thin two-dimensional nanosheets. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5491-500	16.4	109
179	CVD synthesis of boron nitride nanotubes without metal catalysts. <i>Chemical Physics Letters</i> , <b>2001</b> , 337, 61-64	2.5	108
178	Development of efficient electrocatalysts via molecular hybridization of NiMn layered double hydroxide nanosheets and graphene. <i>Nanoscale</i> , <b>2016</b> , 8, 10425-32	7.7	107
177	Single-layer nanosheets with exceptionally high and anisotropic hydroxyl ion conductivity. <i>Science Advances</i> , <b>2017</b> , 3, e1602629	14.3	105
176	General insights into structural evolution of layered double hydroxide: underlying aspects in topochemical transformation from brucite to layered double hydroxide. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19915-21	16.4	101
175	Shape-Controlled Synthesis and Magnetic Properties of Monodisperse Fe <sub>3</sub> O <sub>4</sub> Nanocubes. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 2888-2894	3.5	101
174	Uniform MgO nanobelts formed from in situ Mg <sub>3</sub> N <sub>2</sub> precursor. <i>Chemical Physics Letters</i> , <b>2003</b> , 370, 770-773	7.3	98
173	Synthesis and properties of well-crystallized layered rare-earth hydroxide nitrates from homogeneous precipitation. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6724-30	5.1	95
172	Controlled Synthesis of BN Nanotubes, Nanobamboos, and Nanocables. <i>Advanced Materials</i> , <b>2002</b> , 14, 366	24	95
171	Genuine Unilamellar Metal Oxide Nanosheets Confined in a Superlattice-like Structure for Superior Energy Storage. <i>ACS Nano</i> , <b>2018</b> , 12, 1768-1777	16.7	92
170	Osmotic Swelling of Layered Compounds as a Route to Producing High-Quality Two-Dimensional Materials. A Comparative Study of Tetramethylammonium versus Tetrabutylammonium Cation in a Lepidocrocite-type Titanate. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3137-3146	9.6	92
169	Ln <sub>2</sub> (OH) <sub>4</sub> SO <sub>4</sub> ·nH <sub>2</sub> O (Ln = Pr to Tb; n ~ 2): A New Family of Layered Rare-Earth Hydroxides Rigidly Pillared by Sulfate Ions. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 6001-6007	9.6	91
168	Colloidal unilamellar layers of tantalum oxide with open channels. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 4787-9	5.1	89

167	New UV-A Photodetector Based on Individual Potassium Niobate Nanowires with High Performance. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 771-778	8.1	88
166	Monoclinic Tungsten Oxide with {100} Facet Orientation and Tuned Electronic Band Structure for Enhanced Photocatalytic Oxidations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 10367-74	9.5	86
165	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. <i>ACS Nano</i> , <b>2018</b> , 12, 12337-12346	16.7	83
164	Controllable Fabrication of Amorphous Co-Ni Pyrophosphates for Tuning Electrochemical Performance in Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23114-21	9.5	82
163	Multilayer Hybrid Films of Titania Semiconductor Nanosheet and Silver Metal Fabricated via Layer-by-Layer Self-Assembly and Subsequent UV Irradiation. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1235-1239	9.6	79
162	Highly efficient quasi-static water desalination using monolayer graphene oxide/titania hybrid laminates. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e162-e162	10.3	78
161	Metal-Organic Framework Hexagonal Nanoplates: Bottom-up Synthesis, Topotactic Transformation, and Efficient Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7317-7321	16.4	75
160	Nanowires of metal borates. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3467-3469	3.4	74
159	Synthesis of a solid solution series of layered Eu(x)Gd(1-x)(OH)2.5Cl0.5 x 0.9 H2O and its transformation into (Eu(x)Gd(1-x))2O3 with enhanced photoluminescence properties. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 2960-8	5.1	72
158	All-nanosheet ultrathin capacitors assembled layer-by-layer via solution-based processes. <i>ACS Nano</i> , <b>2014</b> , 8, 2658-66	16.7	71
157	Layer-by-Layer Assembly of TaO3 Nanosheet/Polycation Composite Nanostructures: Multilayer Film, Hollow Sphere, and Its Photocatalytic Activity for Hydrogen Evolution. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2582-2587	9.6	71
156	Constructing Conductive Interfaces between Nickel Oxide Nanocrystals and Polymer Carbon Nitride for Efficient Electrocatalytic Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904020	15.6	70
155	Processing and Performance of Electric Double-Layer Capacitors with Block-Type Carbon Nanotube Electrodes. <i>Bulletin of the Chemical Society of Japan</i> , <b>1999</b> , 72, 2563-2566	5.1	68
154	Nanometer-thin layered hydroxide platelets of (Y0.95Eu0.05)2(OH)5NO3·xH2O: exfoliation-free synthesis, self-assembly, and the derivation of dense oriented oxide films of high transparency and greatly enhanced luminescence. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6903		66
153	Redox Active Cation Intercalation/Deintercalation in Two-Dimensional Layered MnO Nanostructures for High-Rate Electrochemical Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6282-6291	9.5	65
152	High-Yield Preparation, Versatile Structural Modification, and Properties of Layered Cobalt Hydroxide Nanocones. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4292-4302	15.6	65
151	Nanotubes of magnesium borate. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1836-8	16.4	63
150	2D Free-Standing Nitrogen-Doped Ni-Ni S @Carbon Nanoplates Derived from Metal-Organic Frameworks for Enhanced Oxygen Evolution Reaction. <i>Small</i> , <b>2019</b> , 15, e1900348	11	62

149	Coaxial nanocables: Fe nanowires encapsulated in BN nanotubes with intermediate C layers. <i>Chemical Physics Letters</i> , <b>2001</b> , 350, 1-5	2.5	62
148	Photoluminescence properties of lamellar aggregates of titania nanosheets accommodating rare earth ions. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4187-4189	3.4	61
147	Simple Approaches to Quality Large-Scale Tungsten Oxide Nanoneedles. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15572-15577	3.4	61
146	Investigation on the Growth of Boron Carbide Nanowires. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4403-4407	9.6	60
145	Synthesis of boron nitride nanofibers and measurement of their hydrogen uptake capacity. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 5225-5227	3.4	57
144	Tuning the surface charge of 2D oxide nanosheets and the bulk-scale production of superlattice-like composites. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2844-7	16.4	56
143	Intrinsic high water/ion selectivity of graphene oxide lamellar membranes in concentration gradient-driven diffusion. <i>Chemical Science</i> , <b>2016</b> , 7, 6988-6994	9.4	53
142	The effects of extra Li content, synthesis method, sintering temperature on synthesis and electrochemistry of layered LiNi <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> O <sub>2</sub> . <i>Journal of Power Sources</i> , <b>2006</b> , 162, 629-635	8.9	52
141	High purity single crystalline boron carbide nanowires. <i>Chemical Physics Letters</i> , <b>2002</b> , 364, 314-317	2.5	49
140	Layered Metal Hydroxides and Their Derivatives: Controllable Synthesis, Chemical Exfoliation, and Electrocatalytic Applications. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1902535	21.8	48
139	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 32, 93-104	12	47
138	Rare Cobalt-Based Phosphate Nanoribbons with Unique 5-Coordination for Electrocatalytic Water Oxidation. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1254-1260	20.1	46
137	Potassium niobate nanoscrolls incorporating rhodium hydroxide nanoparticles for photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 5982		46
136	Electrical conductivity and field emission characteristics of hot-pressed sintered carbon nanotubes. <i>Materials Research Bulletin</i> , <b>1999</b> , 34, 741-747	5.1	45
135	Single-crystal Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub> microtubes. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 10668-9	16.4	43
134	Engineering of carbon and other protective coating layers for stabilizing silicon anode materials <b>2019</b> , 1, 219-245		43
133	Thermally stable luminescent composites fabricated by confining rare earth complexes in the two-dimensional gallery of titania nanosheets and their photophysical properties. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 9863-8	3.4	42
132	Highly selective charge-guided ion transport through a hybrid membrane consisting of anionic graphene oxide and cationic hydroxide nanosheet superlattice units. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e259-e259	10.3	42



131	Neat monolayer tiling of molecularly thin two-dimensional materials in 1 min. <i>Science Advances</i> , <b>2017</b> , 3, e1700414	14.3	41
130	Self-Assembled Nanofilm of Monodisperse Cobalt Hydroxide Hexagonal Platelets: Topotactic Conversion into Oxide and Resistive Switching. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 6341-6346	9.6	40
129	Hollow spherical rare-earth-doped yttrium oxysulfate: A novel structure for upconversion. <i>Nano Research</i> , <b>2014</b> , 7, 1093-1102	10	38
128	Room-temperature ferromagnetism in doped face-centered cubic Fe nanoparticles. <i>Small</i> , <b>2006</b> , 2, 804-911	11	38
127	Highly Swollen Layered Nickel Oxide with a Trilayer Hydrate Structure. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 479-485	9.6	37
126	Recent advances in developing high-performance nanostructured electrocatalysts based on 3d transition metal elements. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 789-808	10.8	37
125	Recent progress on exploring exceptionally high and anisotropic H <sup>+</sup> /OH <sup>-</sup> ion conduction in two-dimensional materials. <i>Chemical Science</i> , <b>2018</b> , 9, 33-43	9.4	35
124	Simultaneous growth of silicon carbide nanorods and carbon nanotubes by chemical vapor deposition. <i>Chemical Physics Letters</i> , <b>2002</b> , 354, 264-268	2.5	35
123	Well-defined crystallites autoclaved from the nitrate/NH <sub>4</sub> OH reaction system as the precursor for (Y,Eu) <sub>2</sub> O <sub>3</sub> red phosphor: Crystallization mechanism, phase and morphology control, and luminescent property. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 192, 229-237	3.3	33
122	Polypyrrole-Modified NH <sub>4</sub> NiPO <sub>4</sub> ·H <sub>2</sub> O Nanoplate Arrays on Ni Foam for Efficient Electrode in Electrochemical Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5578-5584	8.3	33
121	Hierarchical CoO/MnCoO nanorod arrays on flexible carbon cloth as high-performance anode materials for lithium-ion batteries. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3775-3784	4.3	32
120	Aluminum Borate/Boron Nitride Nanocables. <i>Advanced Materials</i> , <b>2003</b> , 15, 1377-1379	24	32
119	Cobalt-doped Ni <sub>1-x</sub> Mn <sub>x</sub> layered double hydroxide nanoplates as high-performance electrocatalyst for oxygen evolution reaction. <i>Applied Clay Science</i> , <b>2018</b> , 165, 277-283	5.2	31
118	Spontaneous Direct Band Gap, High Hole Mobility, and Huge Exciton Energy in Atomic-Thin TiO <sub>2</sub> Nanosheet. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 6449-6457	9.6	31
117	Post-synthesis isomorphous substitution of layered Co-Mn hydroxide nanocones with graphene oxide as high-performance supercapacitor electrodes. <i>Nanoscale</i> , <b>2019</b> , 11, 6165-6173	7.7	31
116	Novel route to WO <sub>x</sub> nanorods and WS <sub>2</sub> nanotubes from WS <sub>2</sub> inorganic fullerenes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 18191-5	3.4	30
115	Controllable atomic defect engineering in layered Ni <sub>1-x</sub> Fe <sub>x</sub> (OH) <sub>2</sub> nanosheets for electrochemical overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 14432-14443	13	30
114	Facile Synthesis of Superstructured MoS <sub>2</sub> and Graphitic Nanocarbon Hybrid for Efficient Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14441-14449	8.3	30

113	Two-dimensional porous cuprous oxide nanoplatelets derived from metal-organic frameworks (MOFs) for efficient photocatalytic dye degradation under visible light. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7694-7700	4.3	29
112	Macroscopic and Strong Ribbons of Functionality-Rich Metal Oxides from Highly Ordered Assembly of Unilamellar Sheets. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13200-8	16.4	28
111	Stability and Nature of Chemically Exfoliated MoS in Aqueous Suspensions. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 7620-7623	5.1	28
110	Structural study of a series of layered rare-earth hydroxide sulfates. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6667-72	3.2	28
109	Thin boron nitride nanotubes with unusual large inner diameters. <i>Chemical Physics Letters</i> , <b>2001</b> , 350, 434-440	2.5	28
108	InNi microballs catalyzed growth of dense and highly aligned silica nanowires. <i>Chemical Physics Letters</i> , <b>2003</b> , 377, 177-183	2.5	27
107	Advanced Electrocatalytic Performance of Ni-Based Materials for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 341-349	8.3	27
106	Ni <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Nanoarrays with Decorated C <sub>3</sub> N <sub>4</sub> Nanosheets as Efficient Electrode for Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2016-2023	6.1	26
105	Facile synthesis of porous FeCo <sub>2</sub> O <sub>4</sub> nanowire arrays on flexible carbon cloth with superior lithium storage properties. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 122, 261-267	3.9	26
104	General synthetic strategy for high-yield and uniform rare-earth oxysulfate (RE <sub>2</sub> O <sub>2</sub> SO <sub>4</sub> , RE = La, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Y, Ho, and Yb) hollow spheres. <i>RSC Advances</i> , <b>2012</b> , 2, 9362	3.7	26
103	Hierarchical yolk-shell layered potassium niobate for tuned pH-dependent photocatalytic H <sub>2</sub> evolution. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1000-1005	5.5	24
102	Morphological Evolution and Magnetic Property of Rare-Earth-Doped Hematite Nanoparticles: Promising Contrast Agents for T1-Weighted Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606821	15.6	24
101	Stabilizing CuGaS by crystalline CdS through an interfacial Z-scheme charge transfer for enhanced photocatalytic CO reduction under visible light. <i>Nanoscale</i> , <b>2020</b> , 12, 8693-8700	7.7	24
100	Liquid Phase Exfoliation of MoS <sub>2</sub> Assisted by Formamide Solvothermal Treatment and Enhanced Electrocatalytic Activity Based on (H <sub>3</sub> Mo <sub>12</sub> O <sub>40</sub> P/MoS <sub>2</sub> ) <sub>n</sub> Multilayer Structure. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5227-5237	8.3	24
99	Hybrid Nanostructures of Bimetallic NiCo Nitride/N-Doped Reduced Graphene Oxide as Efficient Bifunctional Electrocatalysts for Rechargeable Zn-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 19612-19620	8.3	24
98	In situ growth of metallic Ag intercalated CoAl layered double hydroxides as efficient electrocatalysts for the oxygen reduction reaction in alkaline solutions. <i>Dalton Transactions</i> , <b>2019</b> , 48, 1084-1094	4.3	23
97	Formation, structure, and structural properties of a new filamentary tubular form: hollow conical-helix of graphitic boron nitride. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 8032-8	16.4	23
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87	Nickel dichalcogenide hollow spheres: controllable fabrication, structural modification, and magnetic properties. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 15467-71	4.8	20
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84	Efficient photoinduced charge accumulation in reduced graphene oxide coupled with titania nanosheets to show highly enhanced and persistent conductance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11436-43	9.5	19
83	3D Network Binder via In Situ Cross-Linking on Silicon Anodes with Improved Stability for Lithium-Ion Batteries. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 1900414	2.6	19
82	Synthesis of silicon nanosheets from kaolinite as a high-performance anode material for lithium-ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 137, 109227	3.9	19
81	Activating Hematite Nanoplates via Partial Reduction for Electrocatalytic Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11841-11849	8.3	18
80	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. <i>Science Advances</i> , <b>2020</b> , 6, eaay8163	14.3	18
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78	Construction of a push-pull system in g-C <sub>3</sub> N <sub>4</sub> for efficient photocatalytic hydrogen evolution under visible light. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13299-13310	13	18

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75	Perovskite solar cell using a two-dimensional titania nanosheet thin film as the compact layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15117-22	9.5	17
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71	Two-dimensional organic/inorganic superlattice-like heterostructures for energy storage applications. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 4834-4853	35.4	17
70	Progress and perspective on two-dimensional unilamellar metal oxide nanosheets and tailored nanostructures from them for electrochemical energy storage. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 281-298	19.4	17
69	Serpentine Co <sub>x</sub> Ni <sub>3-x</sub> Ge <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> nanosheets with tuned electronic energy bands for highly efficient oxygen evolution reaction in alkaline and neutral electrolytes. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 260, 118184	21.8	17
68	On/Off Boundary of Photocatalytic Activity between Single- and Bilayer MoS <sub>2</sub> . <i>ACS Nano</i> , <b>2020</b> , 14, 6663-6672	66.72	16
67	ZnGa <sub>2</sub> O <sub>3</sub> nanowires sheathed with boron nitrogen. <i>Chemical Physics Letters</i> , <b>2003</b> , 367, 219-222	2.5	16
66	Anisotropic fluoride nanocrystals modulated by facet-specific passivation and their disordered surfaces. <i>National Science Review</i> , <b>2020</b> , 7, 841-848	10.8	15
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61	Layered materials for supercapacitors and batteries: Applications and challenges. <i>Progress in Materials Science</i> , <b>2021</b> , 118, 100763	42.2	15
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36	Controllable Fabrication of Rare-Earth-Doped Gd <sub>2</sub> O <sub>2</sub> SO <sub>4</sub> @SiO <sub>2</sub> Double-Shell Hollow Spheres for Efficient Upconversion Luminescence and Magnetic Resonance Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10463-10471	8.3	10
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12	Photocharge Trapping in Two-Sheet Reduced Graphene Oxide/0.87O <sub>2</sub> Heterostructures and Their Photoreduction and Photomemory Applications. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6378-6386	5.6	3
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10	Self-Assembled Corn-Husk-Shaped Fullerene Crystals as Excellent Acid Vapor Sensors. <i>Chemosensors</i> , <b>2022</b> , 10, 16	4	3
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