Renzhi

List of Publications by Year in Descending Order

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	Self-Assembled Corn-Husk-Shaped Fullerene Crystals as Excellent Acid Vapor Sensors. *Chemosensors*, **2022**, 10, 16	4	3
219	Chemically exfoliated inorganic nanosheets for nanoelectronics. *Applied Physics Reviews*, **2022**, 9, 021313	17.3	0
218	Silicon nanosheets derived from silicate minerals: controllable synthesis and energy storage application. *Nanoscale*, **2021**, 13, 18410-18420	7.7	1
217	General Synthesis of Layered Rare-Earth Hydroxides (RE = Sm, Eu, Gd, Tb, Dy, Ho, Er, Y) and Direct Exfoliation into Monolayer Nanosheets with High Color Purity. *Journal of Physical Chemistry Letters*, **2021**, 12, 10135-10143	6.4	3
216	Double Confined MoO/Sn/NC@NC Nanotubes: Solid-Liquid Synthesis, Conformal Transformation, and Excellent Lithium-Ion Storage. *ACS Applied Materials & Interfaces*, **2021**, 13, 19836-19845	9.5	5
215	Flexible conductive polymer composite materials based on strutted graphene foam. *Composites Communications*, **2021**, 25, 100757	6.7	13
214	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures. *Journal of the American Chemical Society*, **2021**, 143, 11052-11062	16.4	5
213	Aqueous Formate-Based Li-CO2 Battery with Low Charge Overpotential and High Working Voltage. *Advanced Energy Materials*, **2021**, 11, 2101630	21.8	4
212	Insights into the critical dual-effect of acid treatment on ZnxCd1-xS for enhanced photocatalytic production of syngas under visible light. *Applied Catalysis B: Environmental*, **2021**, 288, 119976	21.8	15
211	Cyclodextrin as Lithium-ion Diffusion Channel with Enhanced Kinetics for Stable Silicon Anode. *Energy and Environmental Materials*, **2021**, 4, 72-80	13	8
210	Layered materials for supercapacitors and batteries: Applications and challenges. *Progress in Materials Science*, **2021**, 118, 100763	42.2	15
209	Superlattice films of semiconducting oxide and rare-earth hydroxide nanosheets for tunable and efficient photoluminescent energy transfer. *Nanoscale*, **2021**, 13, 4551-4561	7.7	3
208	Three-in-one cathode host based on Nb3O8/graphene superlattice heterostructures for high-performance Li-S batteries. *Journal of Materials Chemistry A*, **2021**, 9, 9952-9960	13	6
207	Controllable atomic defect engineering in layered NixFe1-x(OH)2 nanosheets for electrochemical overall water splitting. *Journal of Materials Chemistry A*, **2021**, 9, 14432-14443	13	30
206	Tuning Interfacial Active Sites over Porous MoN-Supported Cobalt Sulfides for Efficient Hydrogen Evolution Reactions in Acid and Alkaline Electrolytes. *ACS Applied Materials & Interfaces*, **2021**, 13, 41573-41583	9.5	5
205	Construction of Multilayer Films and Superlattice- and Mosaic-like Heterostructures of 2D Metal Oxide Nanosheets via a Facile Spin-Coating Process. *ACS Applied Materials & Interfaces*, **2021**, 13, 43258-43265	9.5	2
204	Lithium doped nickel oxide nanocrystals with a tuned electronic structure for oxygen evolution reaction. *Chemical Communications*, **2021**, 57, 6070-6073	5.8	5

203	Photo-irradiation tunes highly active sites over Ni(OH) nanosheets for the electrocatalytic oxygen evolution reaction. *Chemical Communications*, **2021**, 57, 9060-9063	5.8	2
202	On/Off Boundary of Photocatalytic Activity between Single- and Bilayer MoS. *ACS Nano*, **2020**, 14, 6663-6672	16.7	16
201	Anisotropic fluoride nanocrystals modulated by facet-specific passivation and their disordered surfaces. *National Science Review*, **2020**, 7, 841-848	10.8	15
200	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. *Science Advances*, **2020**, 6, eaay8163	14.3	18
199	Stabilizing CuGaS by crystalline CdS through an interfacial Z-scheme charge transfer for enhanced photocatalytic CO reduction under visible light. *Nanoscale*, **2020**, 12, 8693-8700	7.7	24
198	Metal-Organic Framework Hexagonal Nanoplates: Bottom-up Synthesis, Topotactic Transformation, and Efficient Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2020**, 142, 7317-7321	16.4	75
197	Composition Tuning of Ultrafine Cobalt-Based Spinel Nanoparticles for Efficient Oxygen Evolution. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5534-5543	8.3	4
196	CoNiFe Layered Double Hydroxide/RuO Nanosheet Superlattice as Carbon-Free Electrocatalysts for Water Splitting and Li-O Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 33083-33093	9.5	18
195	Construction of a push-pull system in g-C3N4 for efficient photocatalytic hydrogen evolution under visible light. *Journal of Materials Chemistry A*, **2020**, 8, 13299-13310	13	18
194	Multi-shelled cobalt-nickel oxide/phosphide hollow spheres for an efficient oxygen evolution reaction. *Dalton Transactions*, **2020**, 49, 10918-10927	4.3	6
193	Synthesis of Co(II)-Fe(III) Hydroxide Nanocones with Mixed Octahedral/Tetrahedral Coordination toward Efficient Electrocatalysis. *Chemistry of Materials*, **2020**, 32, 4232-4240	9.6	17
192	Surface-Modified Two-Dimensional Titanium Carbide Sheets for Intrinsic Vibrational Signal-Retained Surface-Enhanced Raman Scattering with Ultrahigh Uniformity. *ACS Applied Materials & Interfaces*, **2020**, 12, 23523-23531	9.5	15
191	Controllable fabrication of graphitic nanocarbon encapsulating FexNiy hybrids for efficient splitting of water. *Journal of Alloys and Compounds*, **2020**, 829, 154421	5.7	1
190	3D Network Binder via In Situ Cross-Linking on Silicon Anodes with Improved Stability for Lithium-Ion Batteries. *Macromolecular Chemistry and Physics*, **2020**, 221, 1900414	2.6	19
189	Layered Metal Hydroxides and Their Derivatives: Controllable Synthesis, Chemical Exfoliation, and Electrocatalytic Applications. *Advanced Energy Materials*, **2020**, 10, 1902535	21.8	48
188	Two-Dimensional Molecular Sheets of Transition Metal Oxides toward Wearable Energy Storage. *Accounts of Chemical Research*, **2020**, 53, 2443-2455	24.3	10
187	Ultrathin Nanosheet-Assembled Co-Fe Hydroxide Nanotubes: Sacrificial Template Synthesis, Topotactic Transformation, and Their Application as Electrocatalysts for Efficient Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2020**, 12, 46578-46587	9.5	5
186	Advanced electrocatalysts based on two-dimensional transition metal hydroxides and their composites for alkaline oxygen reduction reaction. *Nanoscale*, **2020**, 12, 21479-21496	7.7	17

185	Two-dimensional organic□inorganic superlattice-like heterostructures for energy storage applications. *Energy and Environmental Science*, **2020**, 13, 4834-4853	35.4	17
184	Serpentine CoxNi3-xGe2O5(OH)4 nanosheets with tuned electronic energy bands for highly efficient oxygen evolution reaction in alkaline and neutral electrolytes. *Applied Catalysis B: Environmental*, **2020**, 260, 118184	21.8	17
183	Synthesis of silicon nanosheets from kaolinite as a high-performance anode material for lithium-ion batteries. *Journal of Physics and Chemistry of Solids*, **2020**, 137, 109227	3.9	19
182	Giant two-dimensional titania sheets for constructing a flexible fiber sodium-ion battery with long-term cycling stability. *Energy Storage Materials*, **2020**, 24, 504-511	19.4	15
181	Photocharge Trapping in Two-Sheet Reduced Graphene Oxide□Ti0.87O2 Heterostructures and Their Photoreduction and Photomemory Applications. *ACS Applied Nano Materials*, **2019**, 2, 6378-6386	5.6	3
180	In situ growth of metallic Ag intercalated CoAl layered double hydroxides as efficient electrocatalysts for the oxygen reduction reaction in alkaline solutions. *Dalton Transactions*, **2019**, 48, 1084-1094	4.3	23
179	Preparation of 1D ultrathin niobate nanobelts by liquid exfoliation as photocatalysts for hydrogen generation. *Chemical Communications*, **2019**, 55, 2417-2420	5.8	1
178	Interface Modulation of Two-Dimensional Superlattices for Efficient Overall Water Splitting. *Nano Letters*, **2019**, 19, 4518-4526	11.5	121
177	Activating Hematite Nanoplates via Partial Reduction for Electrocatalytic Oxygen Reduction Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11841-11849	8.3	18
176	Large-area graphene-nanomesh/carbon-nanotube hybrid membranes for ionic and molecular nanofiltration. *Science*, **2019**, 364, 1057-1062	33.3	291
175	Heterostructured NiFe oxide/phosphide nanoflakes for efficient water oxidation. *Dalton Transactions*, **2019**, 48, 8442-8448	4.3	5
174	Activity enhancement of layered cobalt hydroxide nanocones by tuning interlayer spacing and phosphidation for electrocatalytic water oxidation in neutral solutions. *Inorganic Chemistry Frontiers*, **2019**, 6, 1744-1752	6.8	6
173	Ag1.69Sb2.27O6.25 coupled carbon nitride photocatalyst with high redox potential for efficient multifunctional environmental applications. *Applied Surface Science*, **2019**, 487, 82-90	6.7	8
172	2D Free-Standing Nitrogen-Doped Ni-Ni S @Carbon Nanoplates Derived from Metal-Organic Frameworks for Enhanced Oxygen Evolution Reaction. *Small*, **2019**, 15, e1900348	11	62
171	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. *Journal of Energy Chemistry*, **2019**, 32, 93-104	12	47
170	Hierarchical Nickel Clusters Encapsulated in Ultrathin N-doped Graphitic Nanocarbon Hybrids for Effective Hydrogen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15127-15136	8.3	15
169	Constructing Conductive Interfaces between Nickel Oxide Nanocrystals and Polymer Carbon Nitride for Efficient Electrocatalytic Oxygen Evolution Reaction. *Advanced Functional Materials*, **2019**, 29, 1904020	15.6	70
168	All solid-state lithium-oxygen batteries with MOF-derived nickel cobaltate nanoflake arrays as high-performance oxygen cathodes. *Chemical Communications*, **2019**, 55, 10689-10692	5.8	11

167	Spatially-controlled porous nanoflake arrays derived from MOFs: An efficiently long-life oxygen electrode. *Nano Research*, **2019**, 12, 2528-2534	10	10
166	Superionic conduction along ordered hydroxyl networks in molecular-thin nanosheets. *Materials Horizons*, **2019**, 6, 2087-2093	14.4	8
165	Cobalt iron phosphide nanoparticles embedded within a carbon matrix as highly efficient electrocatalysts for the oxygen evolution reaction. *Chemical Communications*, **2019**, 55, 9212-9215	5.8	17
164	Hydrothermal synthesis of three-dimensional core-shell hollow N-doped carbon encapsulating SnO2@CoO nanospheres for high-performance lithium-ion batteries. *Materials Today Energy*, **2019**, 14, 100354	7	6
163	Alternate Restacking of 2 D CoNi Hydroxide and Graphene Oxide Nanosheets for Energetic Oxygen Evolution. *ChemSusChem*, **2019**, 12, 5274	8.3	5
162	Hybrid Nanostructures of Bimetallic NiCo Nitride/N-Doped Reduced Graphene Oxide as Efficient Bifunctional Electrocatalysts for Rechargeable Zn–Air Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19612-19620	8.3	24
161	Post-synthesis isomorphous substitution of layered Co-Mn hydroxide nanocones with graphene oxide as high-performance supercapacitor electrodes. *Nanoscale*, **2019**, 11, 6165-6173	7.7	31
160	Recent advances in developing high-performance nanostructured electrocatalysts based on 3d transition metal elements. *Nanoscale Horizons*, **2019**, 4, 789-808	10.8	37
159	Facile synthesis and characterization of halloysite@W18O49 nanocomposite with enhanced photocatalytic properties. *Applied Clay Science*, **2019**, 183, 105319	5.2	7
158	Engineering of carbon and other protective coating layers for stabilizing silicon anode materials **2019**, 1, 219-245		43
157	Progress and perspective on two-dimensional unilamellar metal oxide nanosheets and tailored nanostructures from them for electrochemical energy storage. *Energy Storage Materials*, **2019**, 19, 281-298	19.4	17
156	Self-Supported Fe-Doped CoP Nanowire Arrays Grown on Carbon Cloth with Enhanced Properties in Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2019**, 2, 406-412	6.1	20
155	Advanced Electrocatalytic Performance of Ni-Based Materials for Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 341-349	8.3	27
154	Liquid Phase Exfoliation of MoS2 Assisted by Formamide Solvothermal Treatment and Enhanced Electrocatalytic Activity Based on (H3Mo12O40P/MoS2)n Multilayer Structure. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5227-5237	8.3	24
153	Synthesis and Substitution Chemistry of Redox-Active Manganese/Cobalt Oxide Nanosheets. *Chemistry of Materials*, **2018**, 30, 1517-1523	9.6	14
152	Hierarchical CoO/MnCoO nanorod arrays on flexible carbon cloth as high-performance anode materials for lithium-ion batteries. *Dalton Transactions*, **2018**, 47, 3775-3784	4.3	32
151	Genuine Unilamellar Metal Oxide Nanosheets Confined in a Superlattice-like Structure for Superior Energy Storage. *ACS Nano*, **2018**, 12, 1768-1777	16.7	92
150	Ni2P2O7 Nanoarrays with Decorated C3N4 Nanosheets as Efficient Electrode for Supercapacitors. *ACS Applied Energy Materials*, **2018**, 1, 2016-2023	6.1	26

149	Rare Cobalt-Based Phosphate Nanoribbons with Unique 5-Coordination for Electrocatalytic Water Oxidation. *ACS Energy Letters*, **2018**, 3, 1254-1260	20.1	46
148	Two-dimensional porous cuprous oxide nanoplatelets derived from metal-organic frameworks (MOFs) for efficient photocatalytic dye degradation under visible light. *Dalton Transactions*, **2018**, 47, 7694-7700	4.3	29
147	Advanced Supercapacitors Based on β-Ni(OH)2 Nanoplates/Graphene Composite Electrodes with High Energy and Power Density. *ACS Applied Energy Materials*, **2018**, 1, 1496-1505	6.1	18
146	Unilamellar Metallic MoS2/Graphene Superlattice for Efficient Sodium Storage and Hydrogen Evolution. *ACS Energy Letters*, **2018**, 3, 997-1005	20.1	140
145	Insight into the structural and electronic nature of chemically exfoliated molybdenum disulfide nanosheets in aqueous dispersions. *Dalton Transactions*, **2018**, 47, 3014-3021	4.3	11
144	Massive hydration-driven swelling of layered perovskite niobate crystals in aqueous solutions of organo-ammonium bases. *Dalton Transactions*, **2018**, 47, 3022-3028	4.3	5
143	Recent progress on exploring exceptionally high and anisotropic H/OH ion conduction in two-dimensional materials. *Chemical Science*, **2018**, 9, 33-43	9.4	35
142	Rare-earth-doped yttrium oxide nanoplatelets and nanotubes: controllable fabrication, topotactic transformation and upconversion luminescence. *CrystEngComm*, **2018**, 20, 5025-5032	3.3	6
141	Cobalt-doped NiMn layered double hydroxide nanoplates as high-performance electrocatalyst for oxygen evolution reaction. *Applied Clay Science*, **2018**, 165, 277-283	5.2	31
140	Facile synthesis of porous FeCo2O4 nanowire arrays on flexible carbon cloth with superior lithium storage properties. *Journal of Physics and Chemistry of Solids*, **2018**, 122, 261-267	3.9	26
139	Binder-Free Co4N Nanoarray on Carbon Cloth as Flexible High-Performance Anode for Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2018**, 1, 4432-4439	6.1	11
138	Spontaneous Direct Band Gap, High Hole Mobility, and Huge Exciton Energy in Atomic-Thin TiO2 Nanosheet. *Chemistry of Materials*, **2018**, 30, 6449-6457	9.6	31
137	Interconnected silicon nanoparticles originated from halloysite nanotubes through the magnesiothermic reduction: A high-performance anode material for lithium-ion batteries. *Applied Clay Science*, **2018**, 162, 499-506	5.2	22
136	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. *ACS Nano*, **2018**, 12, 12337-12346	16.7	83
135	Monolayer Attachment of Metallic MoS2 on Restacked Titania Nanosheets for Efficient Photocatalytic Hydrogen Generation. *ACS Applied Energy Materials*, **2018**, 1, 6912-6918	6.1	12
134	Facile Synthesis of Superstructured MoS2 and Graphitic Nanocarbon Hybrid for Efficient Hydrogen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14441-14449	8.3	30
133	Serpentine Ni Ge O (OH) Nanosheets with Tailored Layers and Size for Efficient Oxygen Evolution Reactions. *Small*, **2018**, 14, e1803015	11	15
132	Three-dimensionally interconnected Si frameworks derived from natural halloysite clay: a high-capacity anode material for lithium-ion batteries. *Dalton Transactions*, **2018**, 47, 7522-7527	4.3	21

131	Terbium-Doped Layered Yttrium Hydroxide Nanocone: Controlled Synthesis, Structure Variations, Phase Conversion to Oxide/Oxysulfate Nanocone and Their Luminescence Properties. *Particle and Particle Systems Characterization*, **2018**, 35, 1800075	3.1	2
130	Controllable Fabrication of Rare-Earth-Doped Gd2O2SO4@SiO2 Double-Shell Hollow Spheres for Efficient Upconversion Luminescence and Magnetic Resonance Imaging. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 10463-10471	8.3	10
129	Redox Active Cation Intercalation/Deintercalation in Two-Dimensional Layered MnO Nanostructures for High-Rate Electrochemical Energy Storage. *ACS Applied Materials & Interfaces*, **2017**, 9, 6282-6291	9.5	65
128	Hierarchical yolk□shell layered potassium niobate for tuned pH-dependent photocatalytic H2 evolution. *Catalysis Science and Technology*, **2017**, 7, 1000-1005	5.5	24
127	Facile synthesis and characterization of core-shell structured Ag3PO4@Hal nanocomposites for enhanced photocatalytic properties. *Applied Clay Science*, **2017**, 141, 132-137	5.2	13
126	Single-layer nanosheets with exceptionally high and anisotropic hydroxyl ion conductivity. *Science Advances*, **2017**, 3, e1602629	14.3	105
125	Large-Scale Preparation, Chemical Exfoliation, and Structural Modification of Layered Zinc Hydroxide Nanocones: Transformation into Zinc Oxide Nanocones for Enhanced Photocatalytic Properties. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5869-5879	8.3	13
124	Morphological Evolution and Magnetic Property of Rare-Earth-Doped Hematite Nanoparticles: Promising Contrast Agents for T1-Weighted Magnetic Resonance Imaging. *Advanced Functional Materials*, **2017**, 27, 1606821	15.6	24
123	Flexible Lithium-Ion Fiber Battery by the Regular Stacking of Two-Dimensional Titanium Oxide Nanosheets Hybridized with Reduced Graphene Oxide. *Nano Letters*, **2017**, 17, 3543-3549	11.5	119
122	Layered rare-earth hydroxide nanocones with facile host composition modification and anion-exchange feature: topotactic transformation into oxide nanocones for upconversion. *Nanoscale*, **2017**, 9, 8185-8191	7.7	10
121	Stability and Nature of Chemically Exfoliated MoS in Aqueous Suspensions. *Inorganic Chemistry*, **2017**, 56, 7620-7623	5.1	28
120	Neat monolayer tiling of molecularly thin two-dimensional materials in 1 min. *Science Advances*, **2017**, 3, e1700414	14.3	41
119	Controllable synthesis of layered Co□Ni hydroxide hierarchical structures for high-performance hybrid supercapacitors. *Journal of Physics and Chemistry of Solids*, **2016**, 88, 8-13	3.9	17
118	Controllable Fabrication of Amorphous Co-Ni Pyrophosphates for Tuning Electrochemical Performance in Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 23114-21	9.5	82
117	Intrinsic high water/ion selectivity of graphene oxide lamellar membranes in concentration gradient-driven diffusion. *Chemical Science*, **2016**, 7, 6988-6994	9.4	53
116	Acetate-induced controlled-synthesis of hematite polyhedra enclosed by high-activity facets for enhanced photocatalytic performance. *RSC Advances*, **2016**, 6, 66879-66883	3.7	11
115	Monoclinic Tungsten Oxide with {100} Facet Orientation and Tuned Electronic Band Structure for Enhanced Photocatalytic Oxidations. *ACS Applied Materials & Interfaces*, **2016**, 8, 10367-74	9.5	86
114	Highly selective charge-guided ion transport through a hybrid membrane consisting of anionic graphene oxide and cationic hydroxide nanosheet superlattice units. *NPG Asia Materials*, **2016**, 8, e259-e259	10.3	42

113	Development of efficient electrocatalysts via molecular hybridization of NiMn layered double hydroxide nanosheets and graphene. *Nanoscale*, **2016**, 8, 10425-32	7.7	107
112	Polypyrrole-Modified NH4NiPO4H2O Nanoplate Arrays on Ni Foam for Efficient Electrode in Electrochemical Capacitors. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5578-5584	8.3	33
111	Coreshell Fe3O4@SiO2@HNbMoO6 nanocomposites: new magnetically recyclable solid acid for heterogeneous catalysis. *Journal of Materials Chemistry A*, **2015**, 3, 3456-3464	13	20
110	Highly efficient quasi-static water desalination using monolayer graphene oxide/titania hybrid laminates. *NPG Asia Materials*, **2015**, 7, e162-e162	10.3	78
109	Perovskite solar cell using a two-dimensional titania nanosheet thin film as the compact layer. *ACS Applied Materials & Interfaces*, **2015**, 7, 15117-22	9.5	17
108	Needle-like CoO nanowires grown on carbon cloth for enhanced electrochemical properties in supercapacitors. *RSC Advances*, **2015**, 5, 41627-41630	3.7	20
107	Macroscopic and Strong Ribbons of Functionality-Rich Metal Oxides from Highly Ordered Assembly of Unilamellar Sheets. *Journal of the American Chemical Society*, **2015**, 137, 13200-8	16.4	28
106	Highly Enhanced and Switchable Photoluminescence Properties in Pillared Layered Hydroxides Stabilizing Ce3+. *Journal of Physical Chemistry C*, **2015**, 119, 26229-26236	3.8	13
105	Two-dimensional oxide and hydroxide nanosheets: controllable high-quality exfoliation, molecular assembly, and exploration of functionality. *Accounts of Chemical Research*, **2015**, 48, 136-43	24.3	338
104	Efficient photoinduced charge accumulation in reduced graphene oxide coupled with titania nanosheets to show highly enhanced and persistent conductance. *ACS Applied Materials & Interfaces*, **2015**, 7, 11436-43	9.5	19
103	Tuning the surface charge of 2D oxide nanosheets and the bulk-scale production of superlatticelike composites. *Journal of the American Chemical Society*, **2015**, 137, 2844-7	16.4	56
102	A superlattice of alternately stacked Ni-Fe hydroxide nanosheets and graphene for efficient splitting of water. *ACS Nano*, **2015**, 9, 1977-84	16.7	519
101	Dendritic silica nanoparticles synthesized by a block copolymer-directed seed-regrowth approach. *Langmuir*, **2015**, 31, 1610-4	4	7
100	Gigantic swelling of inorganic layered materials: a bridge to molecularly thin two-dimensional nanosheets. *Journal of the American Chemical Society*, **2014**, 136, 5491-500	16.4	109
99	All-nanosheet ultrathin capacitors assembled layer-by-layer via solution-based processes. *ACS Nano* , **2014**, 8, 2658-66	16.7	71
98	Superlattice assembly of graphene oxide (GO) and titania nanosheets: fabrication, in situ photocatalytic reduction of GO and highly improved carrier transport. *Nanoscale*, **2014**, 6, 14419-27	7.7	22
97	Molecular-scale heteroassembly of redoxable hydroxide nanosheets and conductive graphene into superlattice composites for high-performance supercapacitors. *Advanced Materials*, **2014**, 26, 4173-8	24	144
96	New UV-A Photodetector Based on Individual Potassium Niobate Nanowires with High Performance. *Advanced Optical Materials*, **2014**, 2, 771-778	8.1	88

95	Layered zinc hydroxide nanocones: synthesis, facile morphological and structural modification, and properties. *Nanoscale*, **2014**, 6, 13870-5	7.7	22
94	Hollow spherical rare-earth-doped yttrium oxysulfate: A novel structure for upconversion. *Nano Research*, **2014**, 7, 1093-1102	10	38
93	High-Yield Preparation, Versatile Structural Modification, and Properties of Layered Cobalt Hydroxide Nanocones. *Advanced Functional Materials*, **2014**, 24, 4292-4302	15.6	65
92	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. *Chemistry of Materials*, **2013**, 25, 3137-3146	9.6	92
91	Nickel dichalcogenide hollow spheres: controllable fabrication, structural modification, and magnetic properties. *Chemistry - A European Journal*, **2013**, 19, 15467-71	4.8	20
90	Controlled fabrication and optical properties of uniform CeO2 hollow spheres. *RSC Advances*, **2013**, 3, 3544	3.7	13
89	New family of lanthanide-based inorganic-organic hybrid frameworks: Ln2(OH)4[O3S(CH2)nSO3]□2H2O (Ln = La, Ce, Pr, Nd, Sm; n = 3, 4) and their derivatives. *Inorganic Chemistry*, **2013**, 52, 1755-61	5.1	11
88	General synthetic strategy for high-yield and uniform rare-earth oxysulfate (RE2O2SO4, RE = La, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Y, Ho, and Yb) hollow spheres. *RSC Advances*, **2012**, 2, 9362	3.7	26
87	General insights into structural evolution of layered double hydroxide: underlying aspects in topochemical transformation from brucite to layered double hydroxide. *Journal of the American Chemical Society*, **2012**, 134, 19915-21	16.4	101
86	Graphene oxide/titania hybrid films with dual-UV-responsive surfaces of tunable wettability. *RSC Advances*, **2012**, 2, 10829	3.7	14
85	Well-defined crystallites autoclaved from the nitrate/NH4OH reaction system as the precursor for (Y,Eu)2O3 red phosphor: Crystallization mechanism, phase and morphology control, and luminescent property. *Journal of Solid State Chemistry*, **2012**, 192, 229-237	3.3	33
84	A general strategy to layered transition-metal hydroxide nanocones: tuning the composition for high electrochemical performance. *Advanced Materials*, **2012**, 24, 2148-53	24	190
83	The formation of graphene–titania hybrid films and their resistance change under ultraviolet irradiation. *Carbon*, **2012**, 50, 4518-4523	10.4	14
82	Synthesis of LDH nanosheets and their layer-by-layer assembly. *Recent Patents on Nanotechnology*, **2012**, 6, 159-68	1.2	14
81	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. *Journal of Materials Chemistry*, **2011**, 21, 6903		66
80	Structural study of a series of layered rare-earth hydroxide sulfates. *Inorganic Chemistry*, **2011**, 50, 6667-72	5.1	28
79	Topochemical synthesis of Co-Fe layered double hydroxides at varied Fe/Co ratios: unique intercalation of triiodide and its profound effect. *Journal of the American Chemical Society*, **2011**, 133, 613-20	16.4	164
78	Impact of perovskite layer stacking on dielectric responses in KCa2Nan–3NbnO3n+1 (n=3–6) Dion–Jacobson homologous series. *Applied Physics Letters*, **2010**, 96, 182903	3.4	20

77	Self-Assembled Nanofilm of Monodisperse Cobalt Hydroxide Hexagonal Platelets: Topotactic Conversion into Oxide and Resistive Switching. *Chemistry of Materials*, **2010**, 22, 6341-6346	9.6	40
76	Shape-Controlled Synthesis and Magnetic Properties of Monodisperse Fe3O4 Nanocubes. *Crystal Growth and Design*, **2010**, 10, 2888-2894	3.5	101
75	Ln2(OH)4SO4□nH2O (Ln = Pr to Tb; n ~ 2): A New Family of Layered Rare-Earth Hydroxides Rigidly Pillared by Sulfate Ions. *Chemistry of Materials*, **2010**, 22, 6001-6007	9.6	91
74	Anion-exchangeable layered materials based on rare-earth phosphors: unique combination of rare-earth host and exchangeable anions. *Accounts of Chemical Research*, **2010**, 43, 1177-85	24.3	168
73	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. *Inorganic Chemistry*, **2010**, 49, 2960-8	5.1	72
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