

Renzhi

List of Publications by Year in descending order

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226
papers

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10986

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227
times ranked

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#	ARTICLE	IF	CITATIONS
1	Synthesis, Anion Exchange, and Delamination of Co ²⁺ /Al Layered Double Hydroxide: Assembly of the Exfoliated Nanosheet/Polyanion Composite Films and Magneto-Optical Studies. <i>Journal of the American Chemical Society</i> , 2006, 128, 4872-4880.	13.7	1,147
2	Nanosheets of Oxides and Hydroxides: Ultimate 2D Charge-Bearing Functional Crystallites. <i>Advanced Materials</i> , 2010, 22, 5082-5104.	21.0	883
3	Enhancement of the High-Rate Capability of Solid-State Lithium Batteries by Nanoscale Interfacial Modification. <i>Advanced Materials</i> , 2006, 18, 2226-2229.	21.0	739
4	A Superlattice of Alternately Stacked Ni ²⁺ /Fe Hydroxide Nanosheets and Graphene for Efficient Splitting of Water. <i>ACS Nano</i> , 2015, 9, 1977-1984.	14.6	635
5	Selective and Controlled Synthesis of 1 ⁺ - and 2 ⁺ -Cobalt Hydroxides in Highly Developed Hexagonal Platelets. <i>Journal of the American Chemical Society</i> , 2005, 127, 13869-13874.	13.7	624
6	LiNbO ₃ -coated LiCoO ₂ as cathode material for all solid-state lithium secondary batteries. <i>Electrochemistry Communications</i> , 2007, 9, 1486-1490.	4.7	620
7	Positively Charged Nanosheets Derived via Total Delamination of Layered Double Hydroxides. <i>Chemistry of Materials</i> , 2005, 17, 4386-4391.	6.7	487
8	Exfoliating layered double hydroxides in formamide: a method to obtain positively charged nanosheets. <i>Journal of Materials Chemistry</i> , 2006, 16, 3809.	6.7	475
9	Large-area graphene-nanomesh/carbon-nanotube hybrid membranes for ionic and molecular nanofiltration. <i>Science</i> , 2019, 364, 1057-1062.	12.6	475
10	Two-Dimensional Oxide and Hydroxide Nanosheets: Controllable High-Quality Exfoliation, Molecular Assembly, and Exploration of Functionality. <i>Accounts of Chemical Research</i> , 2015, 48, 136-143.	15.6	425
11	Hydrogen Uptake in Boron Nitride Nanotubes at Room Temperature. <i>Journal of the American Chemical Society</i> , 2002, 124, 7672-7673.	13.7	424
12	Synthesis and Exfoliation of Co ²⁺ /Fe ³⁺ -Layered Double Hydroxides: An Innovative Topochemical Approach. <i>Journal of the American Chemical Society</i> , 2007, 129, 5257-5263.	13.7	355
13	Nanotubes of lepidocrocite titanates. <i>Chemical Physics Letters</i> , 2003, 380, 577-582.	2.6	344
14	Topochemical Synthesis, Anion Exchange, and Exfoliation of Co ²⁺ /Ni Layered Double Hydroxides: A Route to Positively Charged Co ²⁺ /Ni Hydroxide Nanosheets with Tunable Composition. <i>Chemistry of Materials</i> , 2010, 22, 371-378.	6.7	323
15	Layered MnO ₂ Nanobelts: Hydrothermal Synthesis and Electrochemical Measurements. <i>Advanced Materials</i> , 2004, 16, 918-922.	21.0	313
16	Fabrication of aluminum-carbon nanotube composites and their electrical properties. <i>Carbon</i> , 1999, 37, 855-858.	10.3	299
17	Interfacial modification for high-power solid-state lithium batteries. <i>Solid State Ionics</i> , 2008, 179, 1333-1337.	2.7	297
18	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> , 2005, 109, 6210-6214.	2.6	290

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19	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> , 2007, 129, 8000-8007.	13.7	288
20	General Synthesis and Delamination of Highly Crystalline Transition-Metal-Bearing Layered Double Hydroxides. <i>Langmuir</i> , 2007, 23, 861-867.	3.5	238
21	General Synthesis and Structural Evolution of a Layered Family of $\text{Ln}_{0.75}\text{Co}_{1.25}(\text{OH})_2\text{Cl}_4$ ($\text{Ln} = \text{Nd, Sm, Eu, Gd, Tb, Tm, Yb}$) Layered Double Hydroxides. <i>Journal of the American Chemical Society</i> , 2007, 129, 14314-14321.	17.1	434
22	Topochemical Synthesis of Monometallic (Co^{2+} or Co^{3+}) Layered Double Hydroxide and Its Exfoliation into Positively Charged $\text{Co}(\text{OH})_2$ Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 86-89.	13.8	215
23	Directly Rolling Nanosheets into Nanotubes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2115-2119.	2.6	212
24	A General Strategy to Layered Transition-Metal Hydroxide Nanocones: Tuning the Composition for High Electrochemical Performance. <i>Advanced Materials</i> , 2012, 24, 2148-2153.	21.0	209
25	Topochemical Synthesis of $\text{Co}^{\sim}\text{Fe}$ Layered Double Hydroxides at Varied Fe/Co Ratios: Unique Intercalation of Triiodide and Its Profound Effect. <i>Journal of the American Chemical Society</i> , 2011, 133, 613-620.	13.7	198
26	Tetrahedral $\text{Co}(\text{II})$ Coordination in A^{\pm} -Type Cobalt Hydroxide: Rietveld Refinement and X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2006, 45, 3964-3969.	4.0	191
27	Interface Modulation of Two-Dimensional Superlattices for Efficient Overall Water Splitting. <i>Nano Letters</i> , 2019, 19, 4518-4526.	9.1	191
28	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> , 2004, 126, 10382-10388.	13.7	190
29	Anion-Exchangeable Layered Materials Based on Rare-Earth Phosphors: Unique Combination of Rare-Earth Host and Exchangeable Anions. <i>Accounts of Chemical Research</i> , 2010, 43, 1177-1185.	15.6	184
30	Unilamellar Metallic MoS_2 /Graphene Superlattice for Efficient Sodium Storage and Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018, 3, 997-1005.	17.4	184
31	Study of electrochemical capacitors utilizing carbon nanotube electrodes. <i>Journal of Power Sources</i> , 1999, 84, 126-129.	7.8	182
32	New Layered Rare-Earth Hydroxides with Anion-Exchange Properties. <i>Chemistry - A European Journal</i> , 2008, 14, 9255-9260.	3.3	173
33	Molecular-Scale Heteroassembly of Redoxable Hydroxide Nanosheets and Conductive Graphene into Superlattice Composites for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2014, 26, 4173-4178.	21.0	161
34	Single-layer nanosheets with exceptionally high and anisotropic hydroxyl ion conductivity. <i>Science Advances</i> , 2017, 3, e1602629.	10.3	154
35	Flexible Lithium-Ion Fiber Battery by the Regular Stacking of Two-Dimensional Titanium Oxide Nanosheets Hybridized with Reduced Graphene Oxide. <i>Nano Letters</i> , 2017, 17, 3543-3549.	9.1	148
36	Synthesis and Delamination of Layered Manganese Oxide Nanobelts. <i>Chemistry of Materials</i> , 2007, 19, 6504-6512.	6.7	146

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37	Growth and Characterization of Iron Oxide Nanorods/Nanobelts Prepared by a Simple Iron-Water Reaction. <i>Small</i> , 2006, 2, 422-427.	10.0	145
38	Engineered Interfaces of Artificial Perovskite Oxide Superlattices via Nanosheet Deposition Process. <i>ACS Nano</i> , 2010, 4, 6673-6680.	14.6	141
39	Constructing Conductive Interfaces between Nickel Oxide Nanocrystals and Polymer Carbon Nitride for Efficient Electrocatalytic Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2019, 29, 1904020.	14.9	140
40	Metal-Organic Framework Hexagonal Nanoplates: Bottom-up Synthesis, Topotactic Transformation, and Efficient Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 7317-7321.	13.7	140
41	Development of efficient electrocatalysts via molecular hybridization of NiMn layered double hydroxide nanosheets and graphene. <i>Nanoscale</i> , 2016, 8, 10425-10432.	5.6	134
42	Growth, Morphology, and Structure of Boron Nitride Nanotubes. <i>Chemistry of Materials</i> , 2001, 13, 2965-2971.	6.7	131
43	CVD synthesis of boron nitride nanotubes without metal catalysts. <i>Chemical Physics Letters</i> , 2001, 337, 61-64.	2.6	131
44	Exfoliated Nanosheet Crystallite of Cesium Tungstate with 2D Pyrochlore Structure: Synthesis, Characterization, and Photochromic Properties. <i>ACS Nano</i> , 2008, 2, 1689-1695.	14.6	130
45	Oriented Monolayer Film of $Gd_2O_3:0.05\%Eu$ Crystallites: Quasi-Topotactic Transformation of the Hydroxide Film and Drastic Enhancement of Photoluminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3846-3849.	13.8	128
46	Gigantic Swelling of Inorganic Layered Materials: A Bridge to Molecularly Thin Two-Dimensional Nanosheets. <i>Journal of the American Chemical Society</i> , 2014, 136, 5491-5500.	13.7	125
47	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> , 2012, 134, 19915-19921.	13.7	122
48	Genuine Unilamellar Metal Oxide Nanosheets Confined in a Superlattice-like Structure for Superior Energy Storage. <i>ACS Nano</i> , 2018, 12, 1768-1777.	14.6	122
49	Controllable Fabrication of Amorphous $CoNi$ Pyrophosphates for Tuning Electrochemical Performance in Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23114-23121.	8.0	120
50	Shape-Controlled Synthesis and Magnetic Properties of Monodisperse Fe_3O_4 Nanocubes. <i>Crystal Growth and Design</i> , 2010, 10, 2888-2894.	3.0	113
51	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> , 2013, 25, 3137-3146.	6.7	111
52	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. <i>ACS Nano</i> , 2018, 12, 12337-12346.	14.6	111
53	Synthesis and Properties of Well-Crystallized Layered Rare-Earth Hydroxide Nitrates from Homogeneous Precipitation. <i>Inorganic Chemistry</i> , 2009, 48, 6724-6730.	4.0	110
54	Controlled Synthesis of BN Nanotubes, Nanobamboos, and Nanocables. <i>Advanced Materials</i> , 2002, 14, 366.	21.0	107

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55	Monoclinic Tungsten Oxide with {100} Facet Orientation and Tuned Electronic Band Structure for Enhanced Photocatalytic Oxidations. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10367-10374.	8.0	106
56	$\text{Ln}_{2}(\text{OH})_{4}\text{SO}_{4}\cdot\text{H}_{2}\text{O}$ (Ln = Pr to Tb; $x = \frac{1}{4}, 2$): A New Family of Layered Rare-Earth Hydroxides Rigidly Pillared by Sulfate Ions. <i>Chemistry of Materials</i> , 2010, 22, 6001-6007.	6.7	104
57	Uniform MgO nanobelts formed from in situ $\text{Mg}_{3}\text{N}_{2}$ precursor. <i>Chemical Physics Letters</i> , 2003, 370, 770-773.	2.6	102
58	Colloidal Unilamellar Layers of Tantalum Oxide with Open Channels. <i>Inorganic Chemistry</i> , 2007, 46, 4787-4789.	4.0	99
59	New UV-Vis Photodetector Based on Individual Potassium Niobate Nanowires with High Performance. <i>Advanced Optical Materials</i> , 2014, 2, 771-778.	7.3	97
60	Highly efficient quasi-static water desalination using monolayer graphene oxide/titania hybrid laminates. <i>NPG Asia Materials</i> , 2015, 7, e162-e162.	7.9	94
61	Engineering of carbon and other protective coating layers for stabilizing silicon anode materials. , 2019, 1, 219-245.		94
62	Layered Metal Hydroxides and Their Derivatives: Controllable Synthesis, Chemical Exfoliation, and Electrocatalytic Applications. <i>Advanced Energy Materials</i> , 2020, 10, 1902535.	19.5	90
63	2D Free-Standing Nitrogen-Doped $\text{Ni}_{3}\text{S}_{2}$ @Carbon Nanoplates Derived from Metal-Organic Frameworks for Enhanced Oxygen Evolution Reaction. <i>Small</i> , 2019, 15, e1900348.	10.0	88
64	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> , 2006, 18, 1235-1239.	6.7	86
65	Controllable atomic defect engineering in layered $\text{Ni}_{x}\text{Fe}_{1-x}(\text{OH})_{2}$ nanosheets for electrochemical overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14432-14443.	10.3	84
66	All-Nanosheet Ultrathin Capacitors Assembled Layer-by-Layer via Solution-Based Processes. <i>ACS Nano</i> , 2014, 8, 2658-2666.	14.6	82
67	Processing and Performance of Electric Double-Layer Capacitors with Block-Type Carbon Nanotube Electrodes. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 2563-2566.	3.2	80
68	Redox Active Cation Intercalation/Deintercalation in Two-Dimensional Layered MnO_{2} Nanostructures for High-Rate Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6282-6291.	8.0	80
69	Synthesis of a Solid Solution Series of Layered $\text{Eu}_{x}\text{Gd}_{1-x}(\text{OH})_{2.5}\text{Cl}_{0.5}\cdot 0.9\text{H}_{2}\text{O}$ and Its Transformation into $(\text{Eu}_{x}\text{Gd}_{1-x})_{2}\text{O}_{3}$ with Enhanced Photoluminescence Properties. <i>Inorganic Chemistry</i> , 2018, 49, 2368-2368.	4.0	78
70	Nanowires of metal borates. <i>Applied Physics Letters</i> , 2002, 81, 3467-3469.	3.3	76
71	High-Yield Preparation, Versatile Structural Modification, and Properties of Layered Cobalt Hydroxide Nanocones. <i>Advanced Functional Materials</i> , 2014, 24, 4292-4302.	14.9	75
72	Layer-by-Layer Assembly of TaO_{3} Nanosheet/Polycation Composite Nanostructures: Multilayer Film, Hollow Sphere, and Its Photocatalytic Activity for Hydrogen Evolution. <i>Chemistry of Materials</i> , 2010, 22, 2582-2587.	6.7	74

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73	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> , 2015, 137, 2844-2847.	13.7	73
74	Nanometer-thin layered hydroxide platelets of $(Y_{0.95}Eu_{0.05})_2(OH)_5NO_3 \cdot xH_2O$: 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> , 2011, 21, 6903.	6.7	72
75	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 32, 93-104.	12.9	70
76	Coaxial nanocables: Fe nanowires encapsulated in BN nanotubes with intermediate C layers. <i>Chemical Physics Letters</i> , 2001, 350, 1-5.	2.6	69
77	Nanotubes of Magnesium Borate. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1836-1838.	13.8	69
78	Synthesis of boron nitride nanofibers and measurement of their hydrogen uptake capacity. <i>Applied Physics Letters</i> , 2002, 81, 5225-5227.	3.3	66
79	Investigation on the Growth of Boron Carbide Nanowires. <i>Chemistry of Materials</i> , 2002, 14, 4403-4407.	6.7	66
80	Intrinsic high water/ion selectivity of graphene oxide lamellar membranes in concentration gradient-driven diffusion. <i>Chemical Science</i> , 2016, 7, 6988-6994.	7.4	66
81	Simple Approaches to Quality Large-Scale Tungsten Oxide Nanoneedles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15572-15577.	2.6	64
82	Two-dimensional organic-inorganic superlattice-like heterostructures for energy storage applications. <i>Energy and Environmental Science</i> , 2020, 13, 4834-4853.	30.8	64
83	Photoluminescence properties of lamellar aggregates of titania nanosheets accommodating rare earth ions. <i>Applied Physics Letters</i> , 2004, 85, 4187-4189.	3.3	63
84	Neat monolayer tiling of molecularly thin two-dimensional materials in 1 min. <i>Science Advances</i> , 2017, 3, e1700414.	10.3	63
85	The effects of extra Li content, synthesis method, sintering temperature on synthesis and electrochemistry of layered $LiNi_{1/3}Mn_{1/3}Co_{1/3}O_2$. <i>Journal of Power Sources</i> , 2006, 162, 629-635.	7.8	57
86	Rare Cobalt-Based Phosphate Nanoribbons with Unique 5-Coordination for Electrocatalytic Water Oxidation. <i>ACS Energy Letters</i> , 2018, 3, 1254-1260.	17.4	57
87	Electrical conductivity and field emission characteristics of hot-pressed sintered carbon nanotubes. <i>Materials Research Bulletin</i> , 1999, 34, 741-747.	5.2	56
88	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> , 2016, 8, e259-e259.	7.9	56
89	Recent advances in developing high-performance nanostructured electrocatalysts based on 3d transition metal elements. <i>Nanoscale Horizons</i> , 2019, 4, 789-808.	8.0	53
90	High purity single crystalline boron carbide nanowires. <i>Chemical Physics Letters</i> , 2002, 364, 314-317.	2.6	52

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91	Ni ₂ P ₂ O ₇ Nanoarrays with Decorated C ₃ N ₄ Nanosheets as Efficient Electrode for Supercapacitors. ACS Applied Energy Materials, 2018, 1, 2016-2023.	5.1	50
92	Spontaneous Direct Band Gap, High Hole Mobility, and Huge Exciton Energy in Atomic-Thin TiO ₂ Nanosheet. Chemistry of Materials, 2018, 30, 6449-6457.	6.7	50
93	Potassium niobate nanoscrolls incorporating rhodium hydroxide nanoparticles for photocatalytic hydrogen evolution. Journal of Materials Chemistry, 2008, 18, 5982.	6.7	49
94	Layered materials for supercapacitors and batteries: Applications and challenges. Progress in Materials Science, 2021, 118, 100763.	32.8	48
95	Cobalt-doped Ni-Mn layered double hydroxide nanoplates as high-performance electrocatalyst for oxygen evolution reaction. Applied Clay Science, 2018, 165, 277-283.	5.2	47
96	CoNiFe Layered Double Hydroxide/RuO _{2.1} Nanosheet Superlattice as Carbon-Free Electrocatalysts for Water Splitting and Li-O ₂ Batteries. ACS Applied Materials & Interfaces, 2020, 12, 33083-33093.	8.0	47
97	Single-Crystal Al ₁₈ B ₄ O ₃₃ Microtubes. Journal of the American Chemical Society, 2002, 124, 10668-10669.	13.7	46
98	Polypyrrole-Modified NH ₄ NiPO ₄ ·H ₂ O Nanoplate Arrays on Ni Foam for Efficient Electrode in Electrochemical Capacitors. ACS Sustainable Chemistry and Engineering, 2016, 4, 5578-5584.	6.7	46
99	Highly Swollen Layered Nickel Oxide with a Trilayer Hydrate Structure. Chemistry of Materials, 2008, 20, 479-485.	6.7	44
100	Recent progress on exploring exceptionally high and anisotropic H ⁺ /OH ⁻ ion conduction in two-dimensional materials. Chemical Science, 2018, 9, 33-43.	7.4	44
101	Advanced Electrocatalytic Performance of Ni-Based Materials for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 341-349.	6.7	43
102	Simultaneous growth of silicon carbide nanorods and carbon nanotubes by chemical vapor deposition. Chemical Physics Letters, 2002, 354, 264-268.	2.6	42
103	Thermally Stable Luminescent Composites Fabricated by Confining Rare Earth Complexes in the Two-Dimensional Gallery of Titania Nanosheets and Their Photophysical Properties. Journal of Physical Chemistry B, 2006, 110, 9863-9868.	2.6	42
104	Self-Assembled Nanofilm of Monodisperse Cobalt Hydroxide Hexagonal Platelets: Topotactic Conversion into Oxide and Resistive Switching. Chemistry of Materials, 2010, 22, 6341-6346.	6.7	42
105	Hollow spherical rare-earth-doped yttrium oxysulfate: A novel structure for upconversion. Nano Research, 2014, 7, 1093-1102.	10.4	42
106	Room-Temperature Ferromagnetism in Doped Face-Centered Cubic Fe Nanoparticles. Small, 2006, 2, 804-809.	10.0	41
107	Facile Synthesis of Superstructured MoS ₂ and Graphitic Nanocarbon Hybrid for Efficient Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 14441-14449.	6.7	41
108	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.	6.7	41

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109	Insights into the critical dual-effect of acid treatment on Zn _x Cd _{1-x} S for enhanced photocatalytic production of syngas under visible light. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 119976.	20.2	41
110	Thin boron nitride nanotubes with unusual large inner diameters. <i>Chemical Physics Letters</i> , 2001, 350, 434-440.	2.6	39
111	Well-defined crystallites autoclaved from the nitrate/NH ₄ OH reaction system as the precursor for (Y,Eu) ₂ O ₃ red phosphor: Crystallization mechanism, phase and morphology control, and luminescent property. <i>Journal of Solid State Chemistry</i> , 2012, 192, 229-237.	2.9	39
112	Liquid Phase Exfoliation of MoS ₂ Assisted by Formamide Solvothermal Treatment and Enhanced Electrocatalytic Activity Based on (H ₃ Mo ₁₂ O ₄₀ /P/MoS ₂) _n Multilayer Structure. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5227-5237.	6.7	39
113	Post-synthesis isomorphous substitution of layered Co-Mn hydroxide nanocones with graphene oxide as high-performance supercapacitor electrodes. <i>Nanoscale</i> , 2019, 11, 6165-6173.	5.6	39
114	Advanced electrocatalysts based on two-dimensional transition metal hydroxides and their composites for alkaline oxygen reduction reaction. <i>Nanoscale</i> , 2020, 12, 21479-21496.	5.6	39
115	Stabilizing CuGaS ₂ by crystalline CdS through an interfacial Z-scheme charge transfer for enhanced photocatalytic CO ₂ reduction under visible light. <i>Nanoscale</i> , 2020, 12, 8693-8700.	5.6	39
116	Hierarchical CoO/MnCo ₂ O _{4.5} nanorod arrays on flexible carbon cloth as high-performance anode materials for lithium-ion batteries. <i>Dalton Transactions</i> , 2018, 47, 3775-3784.	3.3	38
117	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. <i>Science Advances</i> , 2020, 6, eaay8163.	10.3	37
118	Construction of a push-pull system in g-C ₃ N ₄ for efficient photocatalytic hydrogen evolution under visible light. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13299-13310.	10.3	37
119	β-cyclodextrin as Lithium-ion Diffusion Channel with Enhanced Kinetics for Stable Silicon Anode. <i>Energy and Environmental Materials</i> , 2021, 4, 72-80.	12.8	36
120	Stability and Nature of Chemically Exfoliated MoS ₂ in Aqueous Suspensions. <i>Inorganic Chemistry</i> , 2017, 56, 7620-7623.	4.0	35
121	Two-dimensional porous cuprous oxide nanoplatelets derived from metal-organic frameworks (MOFs) for efficient photocatalytic dye degradation under visible light. <i>Dalton Transactions</i> , 2018, 47, 7694-7700.	3.3	35
122	Activating Hematite Nanoplates via Partial Reduction for Electrocatalytic Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11841-11849.	6.7	35
123	Aluminum Borate-Boron Nitride Nanocables. <i>Advanced Materials</i> , 2003, 15, 1377-1379.	21.0	34
124	Morphological Evolution and Magnetic Property of Rare-Earth-Doped Hematite Nanoparticles: Promising Contrast Agents for T ₁ -Weighted Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , 2017, 27, 1606821.	14.9	34
125	Progress and perspective on two-dimensional unilamellar metal oxide nanosheets and tailored nanostructures from them for electrochemical energy storage. <i>Energy Storage Materials</i> , 2019, 19, 281-298.	18.0	34
126	Structural Study of a Series of Layered Rare-Earth Hydroxide Sulfates. <i>Inorganic Chemistry</i> , 2011, 50, 6667-6672.	4.0	33

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127	Novel Route to WO _x Nanorods and WS ₂ Nanotubes from WS ₂ Inorganic Fullerenes. Journal of Physical Chemistry B, 2006, 110, 18191-18195.	2.6	32
128	Macroscopic and Strong Ribbons of Functionality-Rich Metal Oxides from Highly Ordered Assembly of Unilamellar Sheets. Journal of the American Chemical Society, 2015, 137, 13200-13208.	13.7	32
129	Facile synthesis of porous FeCo ₂ O ₄ nanowire arrays on flexible carbon cloth with superior lithium storage properties. Journal of Physics and Chemistry of Solids, 2018, 122, 261-267.	4.0	32
130	Synthesis and Substitution Chemistry of Redox-Active Manganese/Cobalt Oxide Nanosheets. Chemistry of Materials, 2018, 30, 1517-1523.	6.7	31
131	<i>In situ</i> growth of metallic Ag ⁰ intercalated CoAl layered double hydroxides as efficient electrocatalysts for the oxygen reduction reaction in alkaline solutions. Dalton Transactions, 2019, 48, 1084-1094.	3.3	30
132	Tuning Interfacial Active Sites over Porous Mo ₂ N-Supported Cobalt Sulfides for Efficient Hydrogen Evolution Reactions in Acid and Alkaline Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 41573-41583.	8.0	30
133	In ⁺ Ni microballs catalyzed growth of dense and highly aligned silica nanowires. Chemical Physics Letters, 2003, 377, 177-183.	2.6	29
134	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	29
135	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.	5.1	29
136	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.	2.2	29
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