Xiao-jing Yang

List of Publications by Year
in descending order

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150 papers	6,934 citations	61984 43 h-index	66911 78 g-index
157 all docs	157 docs citations	157 times ranked	8706 citing authors

#	Article	IF	Citations
1	Organicâ€Baseâ€Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. Angewandte Chemie - International Edition, 2016, 55, 14569-14574.	13.8	480
2	Efficient Uranium Capture by Polysulfide/Layered Double Hydroxide Composites. Journal of the American Chemical Society, 2015, 137, 3670-3677.	13.7	404
3	Grapheneâ€Based Mesoporous SnO₂ with Enhanced Electrochemical Performance for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2013, 23, 3570-3576.	14.9	253
4	Hexagonal and cubic Ni nanocrystals grown on graphene: phase-controlled synthesis, characterization and their enhanced microwave absorption properties. Journal of Materials Chemistry, 2012, 22, 15190.	6.7	249
5	Intercalation of Organic Ammonium Ions into Layered Graphite Oxide. Langmuir, 2002, 18, 4926-4932.	3.5	245
6	A facile green strategy for rapid reduction of graphene oxide by metallic zinc. RSC Advances, 2012, 2, 8827.	3.6	213
7	Structural Characterization of Self-Assembled MnO2Nanosheets from Birnessite Manganese Oxide Single Crystals. Chemistry of Materials, 2004, 16, 5581-5588.	6.7	198
8	Enhancing the Electromagnetic Performance of Co through the Phase-Controlled Synthesis of Hexagonal and Cubic Co Nanocrystals Grown on Graphene. ACS Applied Materials & Interfaces, 2013, 5, 12716-12724.	8.0	190
9	Synthesis of Graphene Peroxide and Its Application in Fabricating Super Extensible and Highly Resilient Nanocomposite Hydrogels. ACS Nano, 2012, 6, 8194-8202.	14.6	185
10	Highly selective and efficient heavy metal capture with polysulfide intercalated layered double hydroxides. Journal of Materials Chemistry A, 2014, 2, 10280-10289.	10.3	172
11	Organicâ€Baseâ€Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. Angewandte Chemie, 2016, 128, 14789-14794.	2.0	167
12	Facile Formation of Anatase/Rutile TiO2 Nanocomposites with Enhanced Photocatalytic Activity. Molecules, 2019, 24, 2996.	3.8	142
13	Highly Efficient Iodine Capture by Layered Double Hydroxides Intercalated with Polysulfides. Chemistry of Materials, 2014, 26, 7114-7123.	6.7	132
14	High adsorption selectivity of ZnAl layered double hydroxides and the calcined materials toward phosphate. Journal of Colloid and Interface Science, 2010, 343, 225-231.	9.4	121
15	Preparation of a Polycation-Intercalated Layered Manganese Oxide Nanocomposite by a Delamination/Reassembling Process. Chemistry of Materials, 2002, 14, 4800-4806.	6.7	109
16	Intercalation of Macrocyclic Crown Ether into Well-Crystallized LDH: Formation of Staging Structure and Secondary Hostâ‹¯Guest Reaction. Chemistry of Materials, 2009, 21, 3602-3610.	6.7	94
17	Synthesis of Li1.33Mn1.67O4 spinels with different morphologies and their ion adsorptivities after delithiation. Journal of Materials Chemistry, 2000, 10, 1903-1909.	6.7	89
18	Preparation of graphene-encapsulated mesoporous metal oxides and their application as anode materials for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 16318.	6.7	87

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19	Preparation of Plate-Form Manganese Oxide by Selective Lithium Extraction from Monoclinic Li2MnO3under Hydrothermal Conditions. Chemistry of Materials, 2000, 12, 3271-3279.	6.7	86
20	Coassembly of Inorganic Macromolecule of Exfoliated LDH Nanosheets with Cellulose. Journal of Physical Chemistry C, 2009, 113, 9157-9163.	3.1	80
21	Platinum Nanoparticle-Deposited Ti₃C₂T_x MXene for Hydrogen Evolution Reaction. Industrial & Engineering Chemistry Research, 2020, 59, 1822-1828.	3.7	79
22	Intercalation of organic sensitisers into layered europium hydroxide and enhanced luminescence property. Dalton Transactions, 2012, 41, 7409.	3.3	74
23	Crepe Cake Structured Layered Double Hydroxide/Sulfur/Graphene as a Positive Electrode Material for Liâ€“S Batteries. ACS Nano, 2020, 14, 8220-8231.	14.6	73
24	Sandwich-structural graphene-based metal oxides as anode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 6928.	10.3	68
25	Structural and photoluminescent investigation of LTbH/LEuH nanosheets and their color-tunable colloidal hybrids. Journal of Materials Chemistry C, 2013, 1, 3584.	5.5	68
26	In situ growth of Sn, SnO on graphene nanosheets and their application as anode materials for lithium-ion batteries. Electrochimica Acta, 2013, 92, 412-420.	5.2	68
27	Nanocage Structure Derived from Sulfonated Î²-Cyclodextrin Intercalated Layered Double Hydroxides and Selective Adsorption for Phenol Compounds. Inorganic Chemistry, 2014, 53, 1521-1529.	4.0	66
28	Efficient Hg Vapor Capture with Polysulfide Intercalated Layered Double Hydroxides. Chemistry of Materials, 2014, 26, 5004-5011.	6.7	64
29	Selective Lithiationâ€“Expansionâ€“Microexplosion Synthesis of Two-Dimensional Fluoride-Free Mxene. , 2019, 1, 628-632.		64
30	Synthesis of lithium manganese oxide in different lithiumâ€containing fluxes. Journal of Materials Chemistry, 1999, 9, 2683-2690.	6.7	63
31	Preparation of Î²-MnO2nanocrystal/acetylene black composites for lithium batteries. Journal of Materials Chemistry, 2003, 13, 2989-2995.	6.7	62
32	Graphene-encapsulated mesoporous SnO2 composites as high performance anodes for lithium-ion batteries. Journal of Materials Science, 2013, 48, 3870-3876.	3.7	60
33	Conformal carbon coated TiO2 aerogel as superior anode for lithium-ion batteries. Chemical Engineering Journal, 2018, 351, 825-831.	12.7	60
34	Synthesis of Thermally Stable Silica-Pillared Layered Manganese Oxide by an Intercalation/Solvothermal Reaction. Chemistry of Materials, 2001, 13, 473-478.	6.7	57
35	Direct Synthesis of Unilamellar MgAl-LDH Nanosheets and Stacking in Aqueous Solution. Langmuir, 2015, 31, 12464-12471.	3.5	57
36	Novel Synthesis of Layered Graphite Oxideâ^'Birnessite Manganese Oxide Nanocomposite. Chemistry of Materials, 2003, 15, 1228-1231.	6.7	56

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37	Li+-clipping for edge S-vacancy MoS2 quantum dots as an efficient bifunctional electrocatalyst enabling discharge growth of amorphous Li2O2 film. Nano Energy, 2019, 65, 103996.	16.0	56
38	â€œLewis Base-Hungryâ€•Amorphousâ€“Crystalline Nickel Borateâ€“Nickel Sulfide Heterostructures by In Situ Structural Engineering as Effective Bifunctional Electrocatalysts toward Overall Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 23896-23903.	8.0	53
39	Intercalation of Bulk Guest into LDH via Osmotic Swelling/Restoration Reaction: Control of the Arrangements of Thiacalix[4]arene Anion Intercalates. Chemistry of Materials, 2010, 22, 1870-1877.	6.7	46
40	Intercalation of Azamacrocyclic Crown Ether into Layered Rare-Earth Hydroxide (LRH): Secondary Hostâ€“Guest Reaction and Efficient Heavy Metal Removal. Inorganic Chemistry, 2013, 52, 14010-14017.	4.0	46
41	Single Crystal Growth of Birnessite- and Hollandite-Type Manganese Oxides by a Flux Method. Crystal Growth and Design, 2003, 3, 409-415.	3.0	45
42	Preparation of fine single crystals of spinel-type lithium manganese oxide by LiCl flux method for rechargeable lithium batteries. Part 1. LiMn2O4. Journal of Materials Chemistry, 2002, 12, 2991-2997.	6.7	44
43	Hydrothermal Syntheses of Layered Lithium Nickel Manganese Oxides from Mixed Layered Ni(OH)2â^'Manganese Oxides. Chemistry of Materials, 2002, 14, 3844-3851.	6.7	44
44	Highly Swollen Layered Nickel Oxide with a Trilayer Hydrate Structure. Chemistry of Materials, 2008, 20, 479-485.	6.7	44
45	3D Porous Amorphous Î³-CrOOH on Ni Foam as Bifunctional Electrocatalyst for Overall Water Splitting. Inorganic Chemistry, 2019, 58, 4014-4018.	4.0	44
46	Structure and dehydration of layered perovskite niobate with bilayer hydrates prepared by exfoliation/self-assembly process. Journal of Solid State Chemistry, 2008, 181, 1684-1694.	2.9	41
47	Amorphous Boron Oxide Coated NiCo Layered Double Hydroxide Nanoarrays for Highly Efficient Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 14257-14263.	6.7	40
48	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.	2.9	39
49	Photocatalytic and Dye-Sensitized Solar Cell Performances of {010}-Faceted and [111]-Faceted Anatase TiO₂ Nanocrystals Synthesized from Tetratitanate Nanoribbons. ACS Applied Materials & Interfaces, 2014, 6, 16007-16019.	8.0	39
50	FeNi3 alloy nanocrystals grown on graphene: Controllable synthesis, in-depth characterization and enhanced electromagnetic performance. Journal of Alloys and Compounds, 2016, 678, 468-477.	5.5	39
51	Engineering borate modified NiFe layer double hydroxide nanoarrays as â€œhydroxyl ions hungryâ€• electrocatalysts for enhanced oxygen evolution. Chemical Communications, 2019, 55, 1334-1337.	4.1	39
52	Improved electrochemical performance of CoOx-NiO/Ti3C2Tx MXene nanocomposites by atomic layer deposition towards high capacitance supercapacitors. Journal of Alloys and Compounds, 2021, 862, 158546.	5.5	38
53	Biomass-derived hierarchical N, P codoped porous 3D-carbon framework@TiO2 hybrids as advanced anode for lithium ion batteries. Journal of Colloid and Interface Science, 2022, 606, 577-587.	9.4	38
54	Ultrathin NiO/NiFe2O4 Nanoplates Decorated Graphene Nanosheets with Enhanced Lithium Storage Properties. Electrochimica Acta, 2016, 194, 17-25.	5.2	36

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55	Novel synthesis of metal sulfides-loaded porous carbon as anode materials for lithium-ion batteries. Chemical Engineering Journal, 2017, 314, 19-26.	12.7	36
56	A facile synthesis of mesoporous graphene-tin composites as high-performance anodes for lithium-ion batteries. Materials Research Bulletin, 2013, 48, 1575-1580.	5.2	34
57	Topotactic intercalation of a bulky organic anion (thiacalix[4]arene) into LDH through an osmotic swelling/restoration reaction in formamide. Chemical Communications, 2009, , 331-333.	4.1	33
58	Intercalation of Amino Acids into Eu³⁺â€Doped Layered Gadolinium Hydroxide and Quenching of Eu³⁺ Luminescence. European Journal of Inorganic Chemistry, 2012, 2012, 4407-4412.	2.0	33
59	Needle grass-like cobalt hydrogen phosphate on Ni foam as an effective and stable electrocatalyst for the oxygen evolution reaction. Chemical Communications, 2019, 55, 9729-9732.	4.1	33
60	Synthesis of lithium-rich LixMn2O4 spinels by lithiation and heat-treatment of defective spinels. Journal of Materials Chemistry, 2002, 12, 489-495.	6.7	32
61	Pore length control of mesoporous Co3O4and its influence on the capacity of porous electrodes for lithium-ion batteries. RSC Advances, 2012, 2, 1794-1797.	3.6	32
62	A rapid, one-step, variable-valence metal ion assisted reduction method for graphene oxide. Nanotechnology, 2011, 22, 405602.	2.6	31
63	Structure and luminescence behaviour of as-synthesized, calcined, and restored MgAlEu-LDH with high crystallinity. Dalton Transactions, 2012, 41, 12175.	3.3	31
64	MnO2 nanoshells/Ti3C2Tx MXene hybrid film as supercapacitor electrode. Applied Surface Science, 2021, 560, 150040.	6.1	30
65	Structural adjustment during intercalation of macrocyclic crown ether into LDH via swelling/restoration reaction: staging formation and mechanism insights. Dalton Transactions, 2011, 40, 9835.	3.3	29
66	Two-dimensional ultrathin networked CoP derived from Co(OH)2 as efficient electrocatalyst for hydrogen evolution. Advanced Composites and Hybrid Materials, 2022, 5, 2421-2428.	21.1	29
67	Hybrid of Europiumâ€Doped Layered Yttrium Hydroxide and Organic Sensitizer â€“ Effect of Solvent on Structure and Luminescence Behavior. European Journal of Inorganic Chemistry, 2013, 2013, 32-38.	2.0	28
68	Controllable luminescence of layered rare-earth hydroxide composites with a fluorescent molecule: blue emission by delamination in formamide. Chemical Communications, 2015, 51, 2514-2517.	4.1	28
69	Hydrothermal synthesis and formation mechanism of the anatase nanocrystals with co-exposed high-energy {001}, {010} and [111]-facets for enhanced photocatalytic performance. RSC Advances, 2017, 7, 24616-24627.	3.6	28
70	Origin of CO32- Shortage in MgAl Layered Double Hydroxides with Mg/Al < 2. European Journal of Inorganic Chemistry, 2010, 2010, 2079-2083.	2.0	27
71	Synthesis, characterization and electromagnetic performance of nanocomposites of graphene with Î±-LiFeO₂and Î²-LiFe₅O₈. Journal of Materials Chemistry C, 2015, 3, 5457-5466.	5.5	27
72	Urea Coordinated Titanium Trichloride TiIII[OC(NH)2]6Cl3:Â A Single Molecular Precursor Yielding Highly Visible Light Responsive TiO2Nanocrystallites. Journal of Physical Chemistry B, 2006, 110, 14611-14618.	2.6	26

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73	Perovskite La_{0.5}Sr_{0.5}CoO_{3â^'Î´} Grown on Ti₃C₂T_x MXene Nanosheets as Bifunctional Efficient Hybrid Catalysts for Liâ€“Oxygen Batteries. ACS Applied Energy Materials, 2019, 2, 4144-4150.	5.1	26
74	Amorphous TiO2 nanofilm interface coating on mesoporous carbon as efficient sulfur host for Lithiumâ€“Sulfur batteries. Electrochimica Acta, 2020, 332, 135458.	5.2	26
75	Intercalation of Diverse Organic Guests into Layered Europium Hydroxides â€“ Structural Tuning and Photoluminescence Behavior. European Journal of Inorganic Chemistry, 2014, 2014, 559-566.	2.0	25
76	Engineering Lithium Ions Embedded in NiFe Layered Double Hydroxide Lattices To Activate Laminated Ni²⁺ Sites as Highâ€Efficiency Oxygen Evolution Reaction Catalysts. Chemistry - A European Journal, 2020, 26, 7244-7249.	3.3	25
77	Graphene-Based Mesoporous SnO₂ Nanosheets as Multifunctional Hosts for High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2019, 2, 5009-5018.	5.1	23
78	Eu3+ luminescence enhancement by intercalation of benzenepolycarboxylic guests into Eu3+-doped layered gadolinium hydroxide. Materials Research Bulletin, 2014, 53, 234-239.	5.2	22
79	Delaminated layered rare-earth hydroxide composites with ortho-coumaric acid: color-tunable luminescence and blue emission due to energy transfer. Journal of Materials Chemistry C, 2015, 3, 7143-7152.	5.5	22
80	Synthesis and characterization of lithium manganese oxides with core-shell Li4Mn5O12@Li2MnO3 structure as lithium battery electrode materials. Solid State Ionics, 2011, 196, 34-40.	2.7	21
81	Intercalation of coumaric acids into layered rare-earth hydroxides: controllable structure and photoluminescence properties. Journal of Materials Chemistry C, 2015, 3, 4742-4750.	5.5	21
82	Enhanced Tb3+ luminescence in layered terbium hydroxide by intercalation of benzenepolycarboxylic species. Materials Research Bulletin, 2017, 88, 301-307.	5.2	20
83	Microwave-Assisted Synthesis of High-Energy Faceted TiO2 Nanocrystals Derived from Exfoliated Porous Metatitanic Acid Nanosheets with Improved Photocatalytic and Photovoltaic Performance. Materials, 2019, 12, 3614.	2.9	19
84	Wellâ€Crystallized CO₃^{2â€“}â€Type LiAlâ€“LDH from Urea Hydrolysis of an Aqueous Chloride Solution. European Journal of Inorganic Chemistry, 2012, 2012, 3859-3865.	2.0	18
85	An in situ constructed topological rich vacancy-defect nitrogen-doped nanocarbon as a highly-effective metal-free oxygen catalyst for Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2019, 7, 21918-21926.	10.3	18
86	Ultrathin hexagonal boron nitride as a van der Waalsâ€™ force initiator activated graphene for engineering efficient non-metal electrocatalysts of Li-CO2 battery. Nano Research, 2022, 15, 1171-1177.	10.4	18
87	Synthesis of a New Layered Manganese Oxide Nanocomposite through a Delamination/Reassembling Process. Chemistry Letters, 2002, 31, 680-681.	1.3	17
88	Intercalation of cobaltammine complex ions into layered manganese oxide. Journal of Colloid and Interface Science, 2003, 265, 115-120.	9.4	17
89	A novel route to synthesize cubic ZrW2â^'xMoxO8 (x=0â€“1.3) solid solutions and their negative thermal expansion properties. Journal of Solid State Chemistry, 2007, 180, 3160-3165.	2.9	17
90	Structural change from homogenous structure to staging in benzoic acid intercalated LDH: experimental and molecular dynamics simulation insights. Physical Chemistry Chemical Physics, 2012, 14, 9067.	2.8	17

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91	Fluorescence of Znâ€“Alâ€“Eu ternary layered hydroxide response to phenylalanine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 625-630.	3.9	17
92	Fabrication of graphene-encapsulated CoO/CoFe2O4 composites derived from layered double hydroxides and their application as anode materials for lithium-ion batteries. Journal of Materials Science, 2014, 49, 8031-8039.	3.7	17
93	Delithation, Exfoliation, and Transformation of Rock-Salt-Structured Li₂TiO₃ to Highly Exposed {010}-Faceted Anatase. ACS Applied Materials & Interfaces, 2015, 7, 7995-8004.	8.0	17
94	Synthesis of Anatase TiO₂ Nanocrystals with Defined Morphologies from Exfoliated Nanoribbons: Photocatalytic Performance and Application in Dyeâ€sensitized Solar Cell. ChemistrySelect, 2019, 4, 4443-4457.	1.5	16
95	Hydrothermal Synthesis of Carbon Nanoâ€Onions from Citric Acid. Chemistry - an Asian Journal, 2020, 15, 3428-3431.	3.3	16
96	Intercalation of Ga3+-salicylidene-amino acid Schiff base complexes into layered double hydroxides: Synthesis, characterization, acid resistant property, in vitro release kinetics and antimicrobial activity. Applied Clay Science, 2013, 83-84, 182-190.	5.2	15
97	Structural transformation and photoluminescence behavior during calcination of the layered europium-doped yttrium hydroxide intercalate with organic-sensitizer. Materials Research Bulletin, 2013, 48, 4460-4468.	5.2	15
98	A new method for fast intercalation of bulk crown ether guest into LDH. Journal of Colloid and Interface Science, 2013, 393, 29-35.	9.4	15
99	Facile Synthesis of {101}, {010} and [111]â€Faceted Anataseâ€TiO₂ Nanocrystals Derived from Porous Metatitanic Acid H₂TiO₃ for Enhanced Photocatalytic Performance. ChemistrySelect, 2018, 3, 2867-2876.	1.5	15
100	A unique delaminated MoS₄/OS-LEuH composite exhibiting turn-on luminescence sensing for detection of water in formamide. Dalton Transactions, 2017, 46, 3110-3114.	3.3	14
101	Two-dimensional Î²-cobalt hydroxide phase transition exfoliated to atom layers as efficient catalyst for lithium-oxygen batteries. Electrochimica Acta, 2018, 281, 420-428.	5.2	14
102	Lithium storage performance of {010}-faceted and [111]-faceted anatase TiO2 nanocrystals. Journal of Central South University, 2019, 26, 1530-1539.	3.0	14
103	Soft-chemistry synthesis, solubility and interlayer spacing of carbon nano-onions. RSC Advances, 2021, 11, 6850-6858.	3.6	14
104	Preparation and Alkali Metal Ion Exchange Properties of Protonated Rb8Nb22O59 Compound. Chemistry of Materials, 2005, 17, 5420-5427.	6.7	13
105	Ultrathin amorphous TiO 2 nanofilm-coated graphene with superior electrochemical performance for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 716, 13-20.	5.5	13
106	Crystal structure and magnetic property of a metal-organic framework (MOF) containing double-stranded chain with metallomacrocycles and dinuclear Mn(II) subunits. Journal of Molecular Structure, 2008, 891, 357-363.	3.6	12
107	Energy transfer between rare earths in layered rare-earth hydroxides. RSC Advances, 2018, 8, 3592-3598.	3.6	12
108	Facile synthesis of TiO₂/Ag₃PO₄ composites with co-exposed high-energy facets for efficient photodegradation of rhodamine B solution under visible light irradiation. RSC Advances, 2020, 10, 24555-24569.	3.6	12

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109	Cultured Diatoms Suitable for the Advanced Anode of Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 844-852.	6.7	12
110	Phase transition behavior for ZrW2â^'xMoxO8 compositions at elevated temperatures. Journal of Solid State Chemistry, 2009, 182, 2030-2035.	2.9	11
111	Effect of Yb substitution on microstructure, physical and mechanical properties of negative thermal expansion Zr1â^'xYbxWMoO8â^'x/2 (x=0â€“0.05) ceramic. Journal of Alloys and Compounds, 2009, 470, 379-382.	5.5	11
112	Strategy for Lowering Li Source Dosage While Keeping High Reactivity in Solvothermal Synthesis of LiMnO₂ Nanocrystals. ACS Sustainable Chemistry and Engineering, 2013, 1, 570-573.	6.7	11
113	The optical sensitive detection of molybdate ions by layered europium hydroxides. Optical Materials, 2020, 100, 109597.	3.6	11
114	Formation and Growth of Spinel-type LiMn2O4Single Crystals by LiClâ€“MnCl2Flux Evaporation. Chemistry Letters, 2001, 30, 524-525.	1.3	10
115	Novel hybrids of Cu2+ ternary complexes of salicylidene-amino acid Schiff base with phenanthroline (or bipyridine) intercalated in Mg/Al-NO3-layered double hydroxide. Chinese Chemical Letters, 2013, 24, 593-596.	9.0	10
116	Coâ€Assembly of LDH Nanosheets with Crown Ethers: Structural Transformation and Waterâ€Adsorption Behavior. European Journal of Inorganic Chemistry, 2013, 2013, 1363-1370.	2.0	10
117	Tunable and purified luminescence via energy transfer and delamination of LRH (R = Tb, Y) composites with 8-hydroxypyrene-1,3,6-trisulphonate. Journal of Colloid and Interface Science, 2017, 496, 353-363.	9.4	10
118	Orientation of (Hetero)aromatic Anions in the LEuH Interlayer and Enhanced Photoluminescence. Journal of Physical Chemistry C, 2019, 123, 7467-7474.	3.1	10
119	Co-Precipitation Synthesis of Acetylene Black/Li-Birnessite Composite Suitable for a Li-Rechargeable Battery. Electrochemical and Solid-State Letters, 2002, 5, A191.	2.2	9
120	Structural and optical properties of ZnS/niobate composites synthesized by exfoliation/self-assembly processing. Journal of Solid State Chemistry, 2010, 183, 823-828.	2.9	9
121	Influence of Al3+ ions on the morphology and structure of layered LiMn1â€“xAlxO2 cathode materials for the lithium ion battery. Journal of Alloys and Compounds, 2013, 569, 67-75.	5.5	9
122	Enhanced lithium storage properties of graphene-based metal oxides by coating with amorphous TiO2 nanofilms. Journal of Alloys and Compounds, 2018, 769, 293-300.	5.5	9
123	Hollow Square RodLike Microtubes Composed of Anatase Nanocuboids with Coexposed {100}, {010}, and {001} Facets for Improved Photocatalytic Performance. ACS Omega, 2020, 5, 14147-14156.	3.5	9
124	Preparation and electrochemical properties of Li-rich spinel-type lithium manganate coated LiMn2O4. Materials Research Bulletin, 2011, 46, 2450-2455.	5.2	8
125	Modification and Restacking of Layered Terbium Hydroxide 2D Crystals. European Journal of Inorganic Chemistry, 2017, 2017, 4861-4865.	2.0	8
126	Synthesis, Transformation Mechanism and Photocatalytic Properties of Various Morphologies Anatase TiO₂ Nanocrystals Derived From Tetratitanate Nanobelts. ChemistrySelect, 2018, 3, 9953-9959.	1.5	8

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127	Novel Trigonal ZrWMoO8 Structure and Its Transformations. Chemistry of Materials, 2008, 20, 1733-1740.	6.7	7
128	Structure and optical property of CdS/niobate composite synthesized by exfoliation/self-assembly processing. Journal of Non-Crystalline Solids, 2010, 356, 1272-1276.	3.1	7
129	Catalytic graphitization assisted synthesis of Fe₃C/Fe/graphitic carbon with advanced pseudocapacitance. RSC Advances, 2022, 12, 7935-7940.	3.6	7
130	New Route for Preparation of Layered Manganese Oxides with Multivalent Metals in the Interlayer. Chemistry Letters, 2001, 30, 612-613.	1.3	6
131	Improved Cycleability of Li-Birnessite by Coprecipitation with Nafion. Chemistry Letters, 2003, 32, 1160-1161.	1.3	6
132	A novel layered rare-earth hydroxides/polyvinyl alcohol hydrogel with multicolor photoluminescence behavior. European Polymer Journal, 2021, 147, 110324.	5.4	6
133	Crystal Structures and Magnetic Properties of 2D Supramolecular Architectures Assembled from Benzimidazolecarboxylatoâ€Bridged 1D Doubleâ€Stranded Coordinating Chains Featuring Metallomacrocycles as Subunits. European Journal of Inorganic Chemistry, 2008, 2008, 3776-3785.	2.0	5
134	Structure, Delamination and Luminescence of Layered Dysprosium Hydroxides and the Generation of White Light with 2D Crystals. ChemistrySelect, 2016, 1, 17-22.	1.5	5
135	Isolation and Stabilization of LDH 2D Crystals with Ultrahigh Surface Exposure via Polymer Gel Formation. Advanced Materials Interfaces, 2017, 4, 1700740.	3.7	4
136	Vacancy-defects turn off conjugated Ï€ bond shield activated catalytic molecular adsorption process. Applied Surface Science, 2021, 543, 148790.	6.1	4
137	Structure and photoluminescence of ZnO/niobate composites self-assembled from solution with different pH and contents. Journal of Non-Crystalline Solids, 2010, 356, 509-516.	3.1	3
138	Synthesis and characterization of negative thermal expansion HfW2â^'xVxO8â^'x/2 solid solutions. Journal of Solid State Chemistry, 2012, 196, 119-124.	2.9	3
139	Solvothermal synthesis of monodispersed CoZr4(PO4)6 microspheres and their application as microwave absorber. Materials Research Bulletin, 2012, 47, 602-607.	5.2	3
140	Eu3+-doped layered gadolinium hydroxides as drug carriers and their bactericidal behavior. Materials Science and Engineering C, 2021, 127, 112213.	7.3	3
141	Ion exchange for ZnAlâ€LDHs using ammoniumâ€salt method in aqueous medium. Micro and Nano Letters, 2018, 13, 104-107.	1.3	1
142	A Route to Synthesize MgAlâ€Layered Double Hydroxides via Topotactic Reaction of Mg²⁺ with Al(OH)₃. European Journal of Inorganic Chemistry, 2018, 2018, 2900-2904.	2.0	1
143	Enhanced photoluminescence of layered terbium hydroxides by graphene quantum dots in-situ synthesized in the interlayer. Optical Materials, 2021, 120, 111424.	3.6	1
144	The pseudo-capacitance of graphitic nanoribbons aerogel with encapsulated Fe nanoparticles. Journal of Alloys and Compounds, 2021, 883, 160742.	5.5	1

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145	Lithium Magnesium Manganese Oxides Prepared from Mg-Birnessite or Mg-Todorokite by a LiNO3Flux Method. Chemistry Letters, 2000, 29, 1192-1193.	1.3	0
146	Preparation and Selective Lithium Extraction from Li2Mn1-xTixO4 (x.LEQ.0.5) in an H2SO4 Solution. Journal of Ion Exchange, 2003, 14, 117-120.	0.3	0
147	Preparation and Alkali Metal Ion Exchange Properties of Protonated Rb8Nb22O59 Compound.. ChemInform, 2006, 37, no.	0.0	0
148	Nanocomposite Hydrogels: Isolation and Stabilization of LDH 2D Crystals with Ultrahigh Surface Exposure via Polymer Gel Formation (Adv. Mater. Interfaces 20/2017). Advanced Materials Interfaces, 2017, 4, .	3.7	0
149	Enhanced photoluminescence of LEuH nanosheets: 2D photonic crystals self-assembled by coreâ€“shell SiO₂@LEuH spheres. RSC Advances, 2019, 9, 8131-8136.	3.6	0
150	Synthesis of New Zn-containing Derivative by Multi-step Ion-exchanges. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 806-810.	1.3	0