

Qi Liu

List of Publications by Year in descending order

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2,519
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304743

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docs citations

64
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3501
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#	ARTICLE	IF	CITATIONS
1	Aqueous Li-ion battery enabled by halogen conversion intercalation chemistry in graphite. <i>Nature</i> , 2019, 569, 245-250.	27.8	590
2	Cobalt-Based Layered Metal-Organic Framework as an Ultrahigh Capacity Supercapacitor Electrode Material. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4585-4591.	8.0	323
3	Manganese-Based Layered Coordination Polymer: Synthesis, Structural Characterization, Magnetic Property, and Electrochemical Performance in Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , 2013, 52, 2817-2822.	4.0	188
4	Chemical-free synthesis of graphene-carbon nanotube hybrid materials for reversible lithium storage in lithium-ion batteries. <i>Carbon</i> , 2012, 50, 4557-4565.	10.3	106
5	Graphene homogeneously anchored with Ni(OH) ₂ nanoparticles as advanced supercapacitor electrodes. <i>CrystEngComm</i> , 2013, 15, 10007.	2.6	99
6	A copper-based layered coordination polymer: synthesis, magnetic properties and electrochemical performance in supercapacitors. <i>Dalton Transactions</i> , 2015, 44, 19175-19184.	3.3	78
7	Layered manganese-based metal-organic framework as a high capacity electrode material for supercapacitors. <i>RSC Advances</i> , 2017, 7, 29611-29617.	3.6	71
8	Large-scale synthesis of single-crystalline CuO nanoplatelets by a hydrothermal process. <i>Materials Research Bulletin</i> , 2006, 41, 697-702.	5.2	62
9	Solution phase synthesis of CuO nanorods. <i>Materials Chemistry and Physics</i> , 2006, 98, 519-522.	4.0	60
10	Hydrothermal synthesis of CoFe ₂ O ₄ nanoplatelets and nanoparticles. <i>Materials Chemistry and Physics</i> , 2008, 108, 269-273.	4.0	60
11	Nickel metal-organic framework nanoparticles as electrode materials for Li-ion batteries and supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2415-2423.	2.5	54
12	One-Dimensional Zinc-Based Coordination Polymer as a Higher Capacity Anode Material for Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2017, 56, 11603-11609.	4.0	47
13	Hydrothermal synthesis and magnetic properties of NiFe ₂ O ₄ nanoparticles and nanorods. <i>Journal of Materials Science</i> , 2009, 44, 1187-1191.	3.7	38
14	Synthesis of cobalt-based layered coordination polymer nanosheets and their application in lithium-ion batteries as anode materials. <i>RSC Advances</i> , 2016, 6, 4442-4447.	3.6	38
15	Three-dimensional five-connected coordination polymer [M ₂ (C ₃ H ₂ O ₄) ₂ (H ₂ O) ₂ (1/4-hmt)] _n with 4466 topologies (M=Zn, Cu; hmt=hexamethylenetetramine). <i>Journal of Solid State Chemistry</i> , 2004, 177, 4701-4705.	2.9	37
16	Aqueous zinc batteries using N-containing organic cathodes with Zn ²⁺ and H ⁺ Co-uptake. <i>Chemical Engineering Journal</i> , 2022, 431, 134253.	12.7	37
17	A Three-Dimensional Copper Coordination Polymer Constructed by 3-Methyl-1H-pyrazole-4-carboxylic Acid with Higher Capacitance for Supercapacitors. <i>Crystal Growth and Design</i> , 2018, 18, 280-285.	3.0	36
18	Folic acid-functionalized magnetic ZnFe ₂ O ₄ hollow microsphere core/mesoporous silica shell composite particles: Synthesis and application in drug release. <i>Materials Science and Engineering C</i> , 2013, 33, 2879-2884.	7.3	34

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19	Syntheses, crystal structures, and luminescence of two main-group metal complexes based on 3,4-pyrazoledicarboxylic acid. <i>Journal of Coordination Chemistry</i> , 2012, 65, 923-933.	2.2	31
20	Two coordinated-solvent directed zinc(II) coordination polymers with rare topological 3D framework and 1D zigzag chain. <i>Inorganic Chemistry Communication</i> , 2011, 14, 300-303.	3.9	28
21	Two rod-based 3-D lead(II) tetrafluoroterephthalate coordination frameworks with sra topology: Syntheses, structures, and properties. <i>Inorganic Chemistry Communication</i> , 2009, 12, 835-838.	3.9	26
22	Synthesis, crystal structures, and luminescent properties of Pb(II) and Sr(II) coordination polymers constructed by 5-methyl-1H-pyrazole-3-carboxylic acid. <i>Journal of Coordination Chemistry</i> , 2014, 67, 215-226.	2.2	23
23	Nanoscale zinc-based metal-organic framework with high capacity for lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	23
24	Functionalization of graphene oxide with naphthalenediimide diamine for high-performance cathode materials of lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 803-810.	4.9	23
25	High yield synthesis of PbS nanocubes using one-step solid-state reaction in the presence of an anionic surfactant. <i>Materials Chemistry and Physics</i> , 2005, 89, 379-382.	4.0	22
26	Facile synthesis of reduced graphene oxide nanosheets by a sodium diphenylamine sulfonate reduction process and its electrochemical property. <i>Materials Science and Engineering C</i> , 2013, 33, 3811-3816.	7.3	22
27	Realizing high-rate aqueous zinc-ion batteries using organic cathode materials containing electron-withdrawing groups. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2523-2531.	4.9	21
28	Solvothermal synthesis of CoFe ₂ O ₄ hollow spheres. <i>Journal of Materials Science</i> , 2007, 42, 10113-10117.	3.7	19
29	A Manganese-Based Coordination Polymer Containing No Solvent as a High Performance Anode in Li-Ion Batteries. <i>Crystal Growth and Design</i> , 2019, 19, 6503-6510.	3.0	19
30	A three-dimensional Co ₅ -cluster-based MOF as a high-performance electrode material for supercapacitor. <i>Ionics</i> , 2020, 26, 5189-5197.	2.4	19
31	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 786-789.	1.4	15
32	Synthesis, crystal structure and magnetism of [Mn(tfbdc)(MeOH) ₄] (tfbdc =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,222 Td (tetrafluoroterephthalate). <i>Inorganic Chemistry Communication</i> , 2011, 14, 300-303.	2.2	15
33	Synthesis and structural diversity of d ¹⁰ metal coordination polymers constructed from new semi-rigid bis(3-methyl-1H-pyrazole-4-carboxylic acid)alkane ligands. <i>New Journal of Chemistry</i> , 2017, 41, 5151-5160.	2.8	15
34	High-yield Synthesis of Branched Gold Nanocrystals by a Sodium Diphenylamine Sulfonate Reduction Process in Polyethylene Glycol Aqueous Solution. <i>Chinese Journal of Chemistry</i> , 2010, 28, 537-542.	4.9	14
35	Three metal complexes derived from 3-methyl-1H-pyrazole-4-carboxylic acid: synthesis, crystal structures, luminescence and electrocatalytic properties. <i>RSC Advances</i> , 2016, 6, 52040-52047.	3.6	14
36	A Cu ₄ cluster-based MOF as a supercapacitor electrode material with ultrahigh capacitance. <i>Ionics</i> , 2021, 27, 1699-1707.	2.4	14

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37	A Copper-Based Polycarbonyl Coordination Polymer as a Cathode for Li Ion Batteries. <i>Crystal Growth and Design</i> , 2021, 21, 3668-3676.	3.0	14
38	Two Metal Complexes Based on the Ligand 3, 4-Pyrazoledicarboxylic Acid: Synthesis, Structures, and Luminescent Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 552-557.	1.2	13
39	An insoluble naphthalenediimide derivative as a highly stable cathode material for lithium-ion batteries. <i>Materials Chemistry and Physics</i> , 2019, 236, 121815.	4.0	13
40	Synthesis, Crystal Structure and Magnetic Property of [Mn ₂ (mal) ₂ (H ₂ O) ₂ (μ ₂ -hmt)] _n : A Novel Three-Dimensional Network Self-Assembled by hmt (hmt = Hexamethylenetetramine and mal =) <i>Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 61</i>	1.0	10
41	Lanthanide(III)-based coordination monomers and polymers of 3,4-pyrazoledicarboxylate: Extended synergy within the ligand, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , 2015, 429, 22-29.	2.4	12
42	Synthesis and drug-loading properties of folic acid-modified superparamagnetic Fe ₃ O ₄ hollow microsphere core/mesoporous SiO ₂ shell composite particles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	11
43	Graphene oxide linked with N, N'-diamino-1,4,5,8-naphthalenetetracarboxylic bisimide as a stable cathode material for lithium-ion batteries. <i>Ionics</i> , 2019, 25, 2987-2995.	2.4	11
44	Two cobalt(II) coordination polymers constructed from tetrafluoroterephthalate and hexamethylenetetramine ligands. <i>Transition Metal Chemistry</i> , 2013, 38, 385-392.	1.4	10
45	Three transition metal complexes with uncoordinated carboxyl groups: synthesis, structures, and luminescence properties. <i>Transition Metal Chemistry</i> , 2014, 39, 559-566.	1.4	10
46	Effect of N ancillary ligands on the structure, nuclearity and magnetic behavior of Cu(II)-pyrazoledicarboxylate complexes. <i>New Journal of Chemistry</i> , 2016, 40, 10504-10511.	2.8	10
47	Highly efficient Cu(II)-pyrazoledicarboxylate heterogeneous catalysts for a base-free aerobic oxidation of benzylic alcohol to benzaldehyde with hydrogen peroxide as the oxidant. <i>Dalton Transactions</i> , 2020, 49, 7758-7765.	3.3	10
48	Large-Scale Synthesis of Single Crystal Silver Nanowires by a Sodium Diphenylamine Sulfonate Reduction Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 231-234.	0.9	10
49	Title is missing!. <i>Transition Metal Chemistry</i> , 2001, 26, 369-371.	1.4	8
50	Three trinuclear copper(II) complexes bridged by 1/4 3- with different coordination modes. <i>Journal of Coordination Chemistry</i> , 2012, 65, 3949-3959.	2.2	8
51	Synthesis, Crystal Structures and Electrochemical Properties of Complexes [M(ImH) ₄ (tfdc)(H ₂ O)] (M=Co, Ni). <i>Chinese Journal of Chemistry</i> , 2012, 30, 1045-1051.	4.9	8
52	Ligand concentration-dependent supramolecular complexes with uncoordinated carbonyl groups based on a new pyrazole carboxylic acid ligand. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1688-1704.	2.2	7
53	Hydrothermal synthesis of Fe ₃ O ₄ and Fe ₂ P-loaded Fe ₃ O ₄ hollow spheres and applications in gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 27-32.	7.8	6
54	Syntheses, Crystal Structures, Luminescence, and Magnetic Properties of Two Coordination Polymers Derived From Semirigid 1-Carboxymethyl-3, 5-Dimethyl-1H-Pyrazole-4-Carboxylic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 610-616.	1.2	5

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55	2D Coordination Polymer Derived Co ₃ O ₄ Nanocrystals as High Performance Anode Material of Lithium-Ion Batteries. <i>Nano</i> , 2018, 13, 1850139.	1.0	5
56	Achieving high-performance aqueous Zn-ion hybrid supercapacitors by utilizing zinc-based MOF-derived N-doped carbon. <i>Ionics</i> , 2022, 28, 3477-3488.	2.4	5
57	Synthesis, morphology and optical properties of multi-pods Au/FeO(OH) and Au/Fe ₂ O ₃ nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 321-326.	3.5	4
58	Three-dimensional supramolecular architecture in imidazolium hydrogen 2,3,5,6-tetrafluoroterephthalate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o179-o181.	0.4	3
59	Synthesis and Structural Diversity of Main Group Metal Coordination Complexes Constructed from V-shaped Bis(3-methyl-1H-pyrazole-4-carboxylic acid)alkane Ligands. <i>ChemistrySelect</i> , 2018, 3, 4811-4817.	1.5	3
60	Preparation and Photocatalytic Activity Research of Hollow Cubic TiO ₂ Particles. <i>Advanced Materials Research</i> , 2011, 356-360, 558-564.	0.3	0
61	Synthesis, Structure, Luminescent Property and Theoretical studies of 4-Chloro-2,6-Bis[(3,5-Dimethyl-1 <i>H</i> -pyrazol-1-yl)methyl]phenol. <i>Journal of Chemical Research</i> , 2014, 38, 528-531.	1.3	0
62	Metal-to-Ligand Ratio Controlled Assembly of Two Ni(II) Complexes: Structures, Luminescent and Electrochemical Properties. <i>Journal of Chemical Crystallography</i> , 2021, 51, 265-272.	1.1	0
63	Inorganic-organic hybrids assembled by flexible multidentate linker: design, structure and luminescence. <i>Transition Metal Chemistry</i> , 0, , 1.	1.4	0