

Shu-Hua Zhang

List of Publications by Year in descending order

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docs citations

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times ranked

1498
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#	ARTICLE	IF	CITATIONS
1	Microwave-assisted synthesis, crystal structure and properties of a disc-like heptanuclear Co(II) cluster and a heterometallic cubanic Co(II) cluster. <i>CrystEngComm</i> , 2009, 11, 865.	2.6	109
2	Structures and magnetism of {Ni ₂ Na ₂ }, {Ni ₄ } and {Ni ₆ IIINiIII} 2-hydroxy-3-alkoxy-benzaldehyde clusters. <i>Dalton Transactions</i> , 2011, 40, 3000.	3.3	101
3	Anion induced diversification from heptanuclear to tetranuclear clusters: Syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2011, 40, 11402.	3.3	79
4	A family of cubane cobalt and nickel clusters: Syntheses, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , 2013, 396, 119-125.	2.4	75
5	Hollow Cu@TiO ₂ /C nanospheres derived from a Ti precursor encapsulated MOF coating for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7175-7181.	10.3	74
6	Microwave-assisted synthesis, crystal structure and fluorescence of novel coordination complexes with Schiff base ligands. <i>Journal of Molecular Structure</i> , 2010, 977, 62-66.	3.6	66
7	Highly efficient electrochemiluminescence based on 4-amino-1,2,4-triazole Schiff base two-dimensional Zn/Cd coordination polymers. <i>Dalton Transactions</i> , 2017, 46, 410-419.	3.3	58
8	Diacylhydrazone-assembled {Ln ₁₁ } nanoclusters featuring a "double-boats conformation" topology: synthesis, structures and magnetism. <i>Dalton Transactions</i> , 2018, 47, 2337-2343.	3.3	56
9	Efficient SO ₂ Removal Using a Microporous Metal-Organic Framework with Molecular Sieving Effect. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 874-882.	3.7	51
10	A Multifunctional Lanthanide Carbonate Cluster Based Metal-Organic Framework Exhibits High Proton Transport and Magnetic Entropy Change. <i>Inorganic Chemistry</i> , 2018, 57, 9020-9027.	4.0	47
11	Preparation of 4-([2,6-(2-terpyridin)-4-yl]-N,N-diethylaniline Ni II and Pt II complexes and exploration of their <i>in vitro</i> cytotoxic activities. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 1-12.	3.5	46
12	Structural variation from heterometallic heptanuclear or heptanuclear to cubane clusters based on 2-hydroxy-3-ethoxy-benzaldehyde: effects of pH and temperature. <i>RSC Advances</i> , 2014, 4, 54837-54846.	3.6	45
13	Complexes of lanthanides(III) with mixed 2,2'-bipyridyl and 5,7-dibromo-8-quinolinoline chelating ligands as a new class of promising anti-cancer agents. <i>Metallomics</i> , 2019, 11, 1005-1015.	2.4	44
14	A novel highly efficient adsorbent {[Co ₄ (L) ₂ (1/43-OH) ₂ (H ₂ O) ₃ (4,4'-bipy) ₂ ·(H ₂ O) ₂] _n : Synthesis, crystal structure, magnetic and arsenic (V) absorption capacity. <i>Journal of Solid State Chemistry</i> , 2018, 261, 22-30.	2.9	34
15	A study of GUPT-2 , a water-stable zinc-based metal-organic framework as a highly selective and sensitive fluorescent sensor in the detection of Al ³⁺ and Fe ³⁺ ions. <i>CrystEngComm</i> , 2021, 23, 4059-4068.	2.6	34
16	Five novel dinuclear copper(II) complexes: Crystal structures, properties, Hirshfeld surface analysis and <i>in vitro</i> antitumor activity study. <i>Inorganica Chimica Acta</i> , 2016, 453, 507-515.	2.4	32
17	Zn Metal-Organic Framework with High Stability and Sorption Selectivity for CO ₂ . <i>Organometallics</i> , 2022, 41, 829-835.	2.3	32
18	Ligand induced diversification from tetranuclear to mononuclear compounds: Syntheses, structures and magnetic properties. <i>Polyhedron</i> , 2014, 74, 49-56.	2.2	29

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19	DMF as Methine Source: Copper-Catalyzed Direct Annulation of Hydrazides to 1,3,4-Oxadiazoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3986-3990.	4.3	28
20	Cadmium-Based Coordination Polymers from 1D to 3D: Synthesis, Structures, and Photoluminescent and Electrochemiluminescent Properties. <i>ChemPlusChem</i> , 2019, 84, 190-202.	2.8	28
21	($\hat{3}$ -Methoxy propyl amine) ₂ PbBr ₄ : a novel two-dimensional halide hybrid perovskite with efficient bluish white-light emission. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2119-2124.	6.0	28
22	Tetranuclear cobalt(II) complex and trinuclear copper(II) complex with the ligand 2-hydroxy-3-[(2-sulfoethylimino)-methyl]-benzoic acid: synthesis, structure and properties. <i>Journal of Coordination Chemistry</i> , 2008, 61, 1927-1934.	2.2	25
23	Dinuclear copper(II) complex and 1-D copper(II) complex with taurine Schiff base: synthesis, crystal structure, and properties. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3697-3705.	2.2	25
24	Tunable optical absorption in lead-free perovskite-like hybrids by iodide management. <i>Chemical Communications</i> , 2019, 55, 14174-14177.	4.1	23
25	Discovery of thirteen cobalt(II) and copper(II) salicylaldehyde Schiff base complexes that induce apoptosis and autophagy in human lung adenocarcinoma A549/DDP cells and that can overcome cisplatin resistance <i>in vitro</i> and <i>in vivo</i> . <i>Dalton Transactions</i> , 2022, 51, 4068-4078.	3.3	22
26	Room temperature syntheses, crystal structures and properties of two new heterometallic polymers based on 3-ethoxy-2-hydroxybenzaldehyde ligand. <i>Journal of Solid State Chemistry</i> , 2014, 220, 206-212.	2.9	21
27	Syntheses, crystal structures and biological evaluation of two new Cu(II) and Co(II) complexes based on (E)-2-(((4H-1,2,4-triazol-4-yl)imino)methyl)-6-methoxyphenol. <i>Journal of Inorganic Biochemistry</i> , 2019, 193, 52-59.	3.5	21
28	Studies on the removal of phosphate in water through adsorption using a novel Zn-MOF and its derived materials. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103955.	4.9	21
29	Dodecanuclear water cluster in bowl: microwave-assisted synthesis of a heptanuclear cobalt(II) cluster. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3155-3166.	2.2	19
30	Microwave-Assisted Synthesis, Structure, and Properties of a Heptanuclear Cobalt Cluster with 2-Ethyliminomethyl-6-methoxyphenol. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1403-1407.	1.2	19
31	Ti ₄ (embonate) ₆ Based Cage-Cluster Construction in a Stable Metal-Organic Framework for Gas Sorption and Separation. <i>Crystal Growth and Design</i> , 2020, 20, 29-32.	3.0	19
32	Novel bifluorescent Zn(II)-cryptolepine-cyclen complexes trigger apoptosis induced by nuclear and mitochondrial DNA damage in cisplatin-resistant lung tumor cells. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114418.	5.5	18
33	Complexes of Zn(II) with a mixed tryptanthrin derivative and curcumin chelating ligands as new promising anticancer agents. <i>Dalton Transactions</i> , 2022, 51, 5024-5033.	3.3	17
34	Comparative Studies on the Structure-Performance Relationships of Phenothiazine-Based Organic Dyes for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2021, 6, 6817-6823.	3.5	16
35	A new class of nickel(II) oxyquinoline-bipyridine complexes as potent anticancer agents induces apoptosis and autophagy in A549/DDP tumor cells through mitophagy pathways. <i>Dalton Transactions</i> , 2022, 51, 7154-7163.	3.3	16
36	Syntheses, crystal structures and antibacterial activities of [Cu ₂ (C ₁₁ H ₁₁ NO ₅ S) ₂ (H ₂ O) ₄]·5H ₂ O and [Ni ₂ (C ₁₁ H ₁₁ NO ₅ S) ₂ (H ₂ O) ₄]·2H ₂ O. <i>Journal of Coordination Chemistry</i> , 2009, 62, 427-439.	2.2	15

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37	Comparative analysis of phenothiazine and phenoxazine sensitizers for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2019, 247, 228-232.	3.9	15
38	Dy ^{III} single-molecule magnets from ligands incorporating both amine and acylhydrazine Schiff base groups: the centrosymmetric {Dy ₂ } displaying dual magnetic relaxation behaviors. <i>Dalton Transactions</i> , 2020, 49, 15739-15749.	3.3	15
39	A self-sensitized Co (II)-MOF for efficient visible-light-driven hydrogen evolution without additional cocatalysts. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122609.	2.9	15
40	Two novel trinuclear cluster-based coordination polymers with 2,6-Diimidazol-1-yl-pyridine: solvothermal syntheses, crystal structures, properties and Hirshfeld surface analysis. <i>Supramolecular Chemistry</i> , 2016, 28, 231-238.	1.2	14
41	Self-Assembly of a Ti ₄ (embonate) ₆ Cage toward Silver. <i>Inorganic Chemistry</i> , 2020, 59, 14861-14865.	4.0	14
42	Manganese trinuclear clusters based on schiff base: Synthesis, characterization, magnetic and electrochemiluminescence properties. <i>Inorganica Chimica Acta</i> , 2018, 471, 530-536.	2.4	13
43	A Heterotetranuclear Metal Complex {Ni ₂ Na ₂ } with Azido Bridges. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 112-116.	1.2	12
44	Synthesis and Crystal Structures of Two Heterobinuclear Nickel Polymers [NiNaL(dca)] _n and [NiNaL(dca)] ₂ n·(CH ₃ COOCH ₃) _n ·(H ₂ O) _n . <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 990-994.	0.6	12
45	Synthesis, crystal structure, properties and thermoanalysis of complexes of Cu(II) and Ni(II) with taurine-5-chlorosalicylaldehyde schiff base. <i>Chinese Journal of Chemistry</i> , 2004, 22, 1303-1307.	4.9	11
46	Microwave-assisted synthesis, structure and property of a spin-glass heptanuclear nickel cluster with 2-iminomethyl-6-methoxy-phenol. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015, 230, 479-484.	0.8	11
47	Syntheses, Structures and Properties of Three New Trinuclear Nickel Clusters with (2-Hydroxy-4-methoxyphenyl)-phenyl-methanone. <i>Journal of Cluster Science</i> , 2015, 26, 1129-1142.	3.3	11
48	Rationally Designing Metal-Organic Frameworks Based on [Ln ₂] Magnetic Building Blocks Utilizing 2-Hydroxyisophthalate and Fine-Tuning the Magnetic Properties of Dy Analogues by Terminal Coordinated Solvents. <i>Inorganic Chemistry</i> , 2020, 59, 16924-16935.	4.0	11
49	Synthesis, crystal structures, fluorescence, electrochemiluminescent properties, and Hirshfeld surface analysis of four Cu/Mn Schiff-base complexes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5712.	3.5	11
50	Room Temperature Syntheses, Structures and Magnetic Properties of Two Heterometallic Tetranuclear Clusters. <i>Journal of Cluster Science</i> , 2014, 25, 1541-1552.	3.3	10
51	Tetranuclear nickel(II) clusters: syntheses, crystal structures, magnetic properties and Hirshfeld surface analysis. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1938-1948.	2.2	10
52	Syntheses, crystal structures and fluorescent properties of two metal-organic frameworks based on pamoic acid. <i>Journal of Solid State Chemistry</i> , 2019, 270, 335-338.	2.9	10
53	Cobalt Cubane Clusters Based on Schiff Base: Synthesis, Characterization, Magnetic Properties and Hirshfeld Surface Analysis. <i>Journal of Cluster Science</i> , 2020, 31, 685-691.	3.3	9
54	Stepwise Coordination Assembly Approach toward Aluminum-Lanthanide-based Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 13760-13766.	4.0	9

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55	Two Linear Trinuclear Clusters Based on Schiff Base: Syntheses, Structures and Magnetic Properties. <i>Journal of Cluster Science</i> , 2015, 26, 2033-2042.	3.3	8
56	A family of 3d metal clusters based on Nâ€“N single bonds bridged quasi-linear trinuclear cores: the Mn analogue displaying single-molecule magnet behavior. <i>RSC Advances</i> , 2018, 8, 6218-6224.	3.6	8
57	Pentaâ€“Nuclear Fe(III) Cluster: Synthesis, Structure, Magnetic Properties and Hirshfeld Surface Analysis. <i>ChemistrySelect</i> , 2018, 3, 9841-9844.	1.5	8
58	Six novel complexes based on 5-Acetoxy-1-(6-chloro-pyridin-2-yl)-1H-pyrazole-3-carboxylic acid methyl ester derivatives: Syntheses, crystal structures, and anti-cancer activity. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103237.	4.9	8
59	Polarization-sensitive photodetection in a two-dimensional interlayer-multiple-cation hybrid perovskite bulk single crystal. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5882-5886.	5.5	8
60	A novel porphyrin dye with phenoxazine as donor unit for efficient dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2021, 190, 109308.	3.7	7
61	Crystal Structure, Thermal Stability and Luminescence of Coordination Polymer [Cd(BBP)(p-PDOA)] _n . <i>Chinese Journal of Chemistry</i> , 2007, 25, 1121-1125.	4.9	6
62	Two New Cubane-Type Tetranuclear Compounds of Copper(II), Nickel(II) Derived from Reduced Schiff Base Ligand: Syntheses, Structures and Magnetic Properties. <i>Journal of Cluster Science</i> , 2016, 27, 2001-2011.	3.3	6
63	Synthesis, Structure and Properties of a Novel Tetranuclear Copper Cluster-Based Polymer with Di-Schiff-Base. <i>Journal of Cluster Science</i> , 2017, 28, 3241-3252.	3.3	6
64	A series of zirconium-oxo cluster complexes based on arsenate or phosphonate ligands. <i>Inorganic Chemistry Communication</i> , 2018, 97, 125-128.	3.9	6
65	Syntheses of new zeolitic imidazolate frameworks in dimethyl sulfoxide. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2011-2015.	6.0	6
66	Syntheses, Crystal Structure and Property of a Heterometallic Heptanuclear Cluster. <i>Journal of Cluster Science</i> , 2016, 27, 1933-1943.	3.3	5
67	Tuning a layer to a three-dimensional cobalt-tris(4-â€“carboxybiphenyl)amine framework by introducing potassium ions. <i>Inorganic Chemistry Communication</i> , 2018, 90, 65-68.	3.9	5
68	Synthesis, crystal structures and magnetic and electrochemiluminescence properties of three manganese(II) complexes. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 236-243.	0.5	5
69	Room Temperature Synthesis, Crystal Structure and Magnetic Property of a Two-Dimensional Copper(II) Polymer Bridged by End-On and End-to-End Azide Bridges. <i>Journal of Cluster Science</i> , 2015, 26, 949-958.	3.3	4
70	Mononuclear, Dinuclear, and 1-D Chain Structural Variations in Zinc(4-fluoro-2-hydroxy-benzoic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1. <i>Crystallography</i> , 2020, 50, 308-318.	1.1	4
71	Synthesis, structures, and luminescent properties of two cadmium polymers of 4-carboxyl phenoxyacetate and 2-(2-pyridyl)benzimidazole. <i>Structural Chemistry</i> , 2008, 19, 771-775.	2.0	3
72	Solvothermal synthesis and structure of a cubane cobalt cluster with 3,5-dibromo-2-hydroxybenzaldehyde. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 893-896.	1.6	3

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73	Synthesis and Photoelectric Properties of Metal-Organic Zeolites Built from TO ₄ and Organotin. <i>Inorganic Chemistry</i> , 2019, 58, 12521-12525.	4.0	3
74	Synthesis, crystal structure, and Hirshfeld surface analysis of Ni(II) complex [Ni(H _{1.5} bhm) ₂ (AcO)]·11H ₂ O containing supra-water network. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 423-426.	1.6	2
75	Stepwise assembly of multidimensional Al-Pb based coordination polymers. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121804.	2.9	2
76	Room Temperature Syntheses, Crystal Structures and Magnetic Properties of One Novel Decanuclear Copper Cluster Based on 3-amino-1,2,4 triazole Schiff Base. <i>Journal of Cluster Science</i> , 0, , 1.	3.3	2
77	Synthesis, Crystal Structures, Hirshfeld Surface Analysis, and Magnetic Properties of Two Cu/Ni-Schiff-Base Complexes. <i>Journal of Cluster Science</i> , 2022, 33, 1561-1568.	3.3	2
78	Room-Temperature Reversible Ir-Dimerization of a Phenalenyl Radical. <i>Chinese Journal of Chemistry</i> , 0, , .	4.9	2
79	The catenation of a singlet diradical dication and modulation of diradical character by metal coordination. <i>Chemical Communications</i> , 2022, 58, 6457-6460.	4.1	2
80	Heterometallic One-Dimensional Tetranuclear Cu-Na Cluster-Based Polymers: Room Temperature Synthesis, Structures, and Properties. <i>Journal of Cluster Science</i> , 2021, 32, 499-505.	3.3	1
81	A Double-Layered {Cu ₉ } Nanocage with Diacylhydrazine: Synthesis, Structure and Magnetic Properties. <i>Journal of Cluster Science</i> , 2021, 32, 765-772.	3.3	1
82	Synthesis, structure and magnetism of a new ionic pentanuclear iron cluster. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 690-694.	0.5	1
83	Syntheses, crystal structures and Hirshfeld surface analysis of (<i>Z</i>)-3-[(3-acetyl-2-hydroxyphenyl)amino]-2-bromoprop-2-enal and a novel Zn ^{II} complex. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 123-130.	0.5	1
84	Room Temperature Synthesis, Crystal Structure, and Properties of a New Heterometallic One-Dimensional Cu-Na Polymer. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1462-1467.	0.6	0
85	Crystal structure of aquachloridobis(2-ethoxy-6-formylphenolato- λ^2 O1,O6)iron(III) acetonitrile hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 269-271.	0.2	0