

Yuan-Zhu Zhang

List of Publications by Year in descending order

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81
papers

4,872
citations

136885

32
h-index

91828

69
g-index

88
all docs

88
docs citations

88
times ranked

3662
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallography, Packing Mode, and Aggregation State of Chlorinated Isomers for Efficient Organic Solar Cells. <i>CCS Chemistry</i> , 2023, 5, 1118-1129.	4.6	21
2	Thermally Induced Reversible Metal-to-Metal Charge Transfer in Mixed-Valence $\{Fe^{III}_4\}$ Cubes. <i>CCS Chemistry</i> , 2022, 4, 2452-2459.	4.6	7
3	Desolvation-Induced Solvation-Induced Reversible On-Off Switching of Two Memory Channels in a Cobalt(II) Coordination Polymer: Overlay of Spin Crossover and Structural Phase Transition. <i>CCS Chemistry</i> , 2022, 4, 3064-3075.	4.6	9
4	A trinuclear $\{Fe^{II}_2Fe^{III}\}$ complex involving both spin and non-spin transitions exhibits three-step and wide thermal hysteresis. <i>Science China Chemistry</i> , 2022, 65, 532-538.	4.2	14
5	Manipulating the spin crossover behaviour in a series of cyanide-bridged $\{Fe^{II}_2Fe^{II}\}$ molecular squares through NCE ⁺ co-ligands. <i>Dalton Transactions</i> , 2022, 51, 5596-5602.	1.6	8
6	$[Au^{I}(CN)_2]$ -Armed $[Fe^{III}_2Fe^{II}_2]$ Square Complex Showing Unusual Spin-Crossover Behavior Due to a Symmetry-Breaking Phase Transition. <i>Inorganic Chemistry</i> , 2022, 61, 5855-5860.	1.9	9
7	Polyoxometalate-Assisted Assembly of Pearl-Chain-Like Cyanide-Bridged Single-Chain Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 931-938.	1.9	11
8	Self-assembly of Ni(II) metallacycles (a square and a triangle) supported by tetrazine radical bridges. <i>Dalton Transactions</i> , 2022, 51, 7644-7649.	1.6	3
9	Polyoxometalate steric hindrance driven chirality-selective separation of subnanometer carbon nanotubes. <i>Chemical Science</i> , 2022, 13, 5920-5928.	3.7	10
10	Slow magnetic relaxation in a Dy_3 triangle and a bistriangular Dy_6 cluster. <i>Dalton Transactions</i> , 2022, 51, 9404-9411.	1.6	8
11	17.1% Efficient Eco-Compatible Organic Solar Cells from a Dissymmetric 3D Network Acceptor. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3238-3246.	7.2	156
12	17.1% Efficient Eco-Compatible Organic Solar Cells from a Dissymmetric 3D Network Acceptor. <i>Angewandte Chemie</i> , 2021, 133, 3275-3283.	1.6	28
13	An azido-bridged $[Fe^{II}_4]$ grid-like molecule showing spin crossover behaviour. <i>Dalton Transactions</i> , 2021, 50, 14303-14308.	1.6	5
14	Self-Assembly of a Dodecanuclear $[Ni_{12}]$ Wheel. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1305-1310.	1.0	1
15	Strong Coupling and Slow Relaxation of the Magnetization for an Air-Stable $[Co_4]$ Square with Both Tetrazine Radicals and Azido Bridges. <i>Inorganic Chemistry</i> , 2021, 60, 3651-3656.	1.9	12
16	Host-Guest Molecular Interaction Enabled Separation of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10120-10130.	6.6	44
17	A smart post-synthetic route towards $[Fe_2Co_2]$ molecular capsules with electron transfer and bidirectional switching behaviors. <i>Science China Chemistry</i> , 2021, 64, 1340-1348.	4.2	16
18	Anion-Dependent Electron Transfer in the Cyanide-Bridged $[Fe_2Co_2]$ Capsules. <i>Inorganic Chemistry</i> , 2021, 60, 14330-14335.	1.9	11

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19	Secondary Metal Coordination Using a Tetranuclear Complex as Ligand Leading to Hexanuclear Complexes with Enhanced Thermal Barriers for Electron Transfer. <i>CCS Chemistry</i> , 2021, 3, 2530-2538.	4.6	9
20	Structure-Property Relationships of Precisely Chlorinated Thiophene-Substituted Acceptors. <i>Advanced Functional Materials</i> , 2021, 31, 2106524.	7.8	29
21	Spin and valence isomerism in cyanide-bridged $\{Fe_{II}2M^{II}\}$ (M = Fe and Co) clusters. <i>Dalton Transactions</i> , 2021, 50, 9768-9774.	1.6	15
22	A seven-coordinated Dy^{III} single-ion magnet with C_{2v} symmetry constructed by a multidentate Schiff-base ligand. <i>CrystEngComm</i> , 2021, 23, 1718-1722.	1.3	3
23	A cyanide-bridged Fe-Co pearl-chain-like single-chain magnet containing 4-coordinate cobalt ions. <i>Dalton Transactions</i> , 2021, 50, 17372-17377.	1.6	6
24	A Dicobalt(II) Single-Molecule Magnet via a Well-Designed Dual-Capping Tetrazine Radical Ligand. <i>Inorganic Chemistry</i> , 2021, , .	1.9	10
25	Incorporating Trigonal-Prismatic Cobalt(II) Blocks into an Exchange-Coupled $[Co_2Cu]$ System. <i>Inorganic Chemistry</i> , 2020, 59, 10389-10394.	1.9	8
26	Azido-Cyanide Mixed-Bridged $Fe^{III}-Ni^{II}$ Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 16215-16224.	1.9	11
27	Probing the Axial Distortion Effect on the Magnetic Anisotropy of Octahedral Co(II) Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 7622-7630.	1.9	34
28	Cyanide-Bridged Fe-Co Polynuclear Clusters Based on Four-Coordinate Cobalt(II). <i>Inorganic Chemistry</i> , 2020, 59, 8025-8033.	1.9	12
29	Two azido-bridged $[2\bar{A}-2]$ cobalt grids featuring single-molecule magnet behaviour. <i>Dalton Transactions</i> , 2020, 49, 9218-9222.	1.6	8
30	Trigonal Prismatic Cobalt(II) Single-Ion Magnets: Manipulating the Magnetic Relaxation Through Symmetry Control. <i>Inorganic Chemistry</i> , 2020, 59, 8505-8513.	1.9	32
31	Trifluoromethylation Enables a 3D Interpenetrated Low-Band-Gap Acceptor for Efficient Organic Solar Cells. <i>Joule</i> , 2020, 4, 688-700.	11.7	206
32	Manipulating the spin crossover behavior in a series of $\{Fe_{II}2Fe^{II}\}$ complexes. <i>Dalton Transactions</i> , 2020, 49, 5949-5956.	1.6	14
33	Two azido-bridged homospin Fe/Co coordination polymers featuring single-chain magnet behavior. <i>Dalton Transactions</i> , 2020, 49, 4805-4810.	1.6	7
34	Structure-property studies of a new one-dimensional Fe(III)/Mn(II) chain. <i>Polyhedron</i> , 2020, 179, 114376.	1.0	4
35	Imidodiphosphonate Ligands for Enhanced Sensitization and Shielding of Visible and Near-Infrared Lanthanides. <i>Inorganic Chemistry</i> , 2019, 58, 13268-13275.	1.9	29
36	An Azido-Cyanide Mixed-Bridged $[Fe_4Ni_4]$ Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 7127-7130.	1.9	12

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37	Synthesis and magnetic studies of pentagonal bipyramidal metal complexes of Fe, Co and Ni. Dalton Transactions, 2019, 48, 3243-3248.	1.6	29
38	Enforcing Ising-like magnetic anisotropy <i>via</i> trigonal distortion in the design of a W(ν) $\text{Co}(\text{ii})$ cyanide single-chain magnet. Chemical Science, 2018, 9, 119-124.	3.7	40
39	A linear trinuclear ferrous single molecule magnet. Dalton Transactions, 2018, 47, 16704-16708.	1.6	4
40	Construction and Magnetic Study of a Trigonal-Prismatic Cobalt(II) Single-Ion Magnet. Inorganic Chemistry, 2018, 57, 14047-14051.	1.9	42
41	Magneto-Structural Analysis of Iron(III) Keggin Polyoxometalates. Journal of Physical Chemistry A, 2017, 121, 1310-1318.	1.1	10
42	Synthesis and characterization of first row transition metal p-toluenesulfonate complexes and chains. Polyhedron, 2017, 123, 344-352.	1.0	5
43	Hydrothermal syntheses and structures of cobalt(II) and copper(II) coordination polymers with 1-tetrazole-phenyl-4-methylphosphonate ligands. Inorganica Chimica Acta, 2017, 458, 109-115.	1.2	6
44	Reversible On \leftrightarrow Off Switching of a Single-Molecule Magnet via a Crystal-to-Crystal Chemical Transformation. Journal of the American Chemical Society, 2017, 139, 11714-11717.	6.6	97
45	Structure \leftrightarrow Property Relationships in Tricyanoferrate(III) Building Blocks and Trinuclear Cyanide \leftrightarrow Bridged Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 2432-2442.	1.0	11
46	Trigonal antiprismatic Co(ii) single molecule magnets with large uniaxial anisotropies: importance of Raman and tunneling mechanisms. Chemical Science, 2016, 7, 6519-6527.	3.7	112
47	A Single \leftrightarrow Chain Magnet Tape Based on Hexacyanomanganate(III). Angewandte Chemie - International Edition, 2015, 54, 5583-5587.	7.2	36
48	Linear trinuclear cobalt(ii) single molecule magnet. Dalton Transactions, 2015, 44, 2865-2870.	1.6	31
49	In situ tetrazole templated chair-like decanuclear azido-cobalt(ii) SMM containing both tetra- and octa-hedral Co(ii) ions. Dalton Transactions, 2015, 44, 480-483.	1.6	15
50	Thermochromic and Photoresponsive Cyanometalate Fe/Co Squares: Toward Control of the Electron Transfer Temperature. Journal of the American Chemical Society, 2014, 136, 16854-16864.	6.6	123
51	Single \leftrightarrow Chain Magnetic Behavior in a Hetero \leftrightarrow Tri \leftrightarrow Spin Complex Mediated by Supramolecular Interactions with TCNQ \cdot^- Radicals. Angewandte Chemie - International Edition, 2014, 53, 11567-11570.	7.2	79
52	Hydrothermal synthesis, structure and magnetic properties of a three-dimensional cobalt(ii) $\text{Co}(\text{ii})$ aminophenyltetrazolate coordination polymer. Dalton Transactions, 2014, 43, 7263-7268.	1.6	4
53	Variations in topology and magnetic properties of hepta- and octacyanometallates of molybdenum with manganese(ii). Dalton Transactions, 2014, 43, 6802-6810.	1.6	17
54	Reprint of EPR studies of a cyano-bridged $\{\text{Fe}(\text{II})\text{Ni}(\text{II})\}$ coordination complex and its corresponding $\text{Fe}(\text{III})$ mononuclear building-block. Polyhedron, 2013, 66, 279-282.	1.0	1

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55	Structure-property trends in cyanido-bridged tetranuclear Fe ^{III} /Ni ^{II} single-molecule magnets. <i>Polyhedron</i> , 2013, 52, 115-121.	1.0	17
56	Reprint of "A cyanido-bridged trinuclear {Fe ^{III} 2Ni ^{II} } complex decorated with organic radicals". <i>Polyhedron</i> , 2013, 64, 393-398.	1.0	4
57	A cyanido-bridged trinuclear {Fe ^{III} 2Ni ^{II} } complex decorated with organic radicals. <i>Polyhedron</i> , 2013, 60, 110-115.	1.0	8
58	EPR studies of a cyano-bridged {Fe ^{III} Ni ^{II} } coordination complex and its corresponding Fe ^{III} mononuclear building-block. <i>Polyhedron</i> , 2013, 59, 48-51.	1.0	10
59	Irreversible solvent-driven conversion in cyanometalate {Fe ₂ Ni _n } (n = 2, 3) single-molecule magnets. <i>Chemical Communications</i> , 2011, 47, 7194.	2.2	42
60	Synthesis and Characterization of Di- and Trivalent Pyrazolylborate ^{1,2} -Diketonates and Cyanometalates. <i>Inorganic Chemistry</i> , 2011, 50, 5153-5164.	1.9	12
61	Pyrazolylborates and Their Importance in Tuning Single-Molecule Magnet Properties of {Fe ^{III} ₂ Ni ^{II} } Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 10537-10539.	1.9	37
62	A Cyano-Bridged Cr ^{III} Co ^{II} Ferromagnet with a Chiral Nanotubular Structure Constituted of Interlocked Single and Double Helices. <i>Inorganic Chemistry</i> , 2010, 49, 1271-1273.	1.9	51
63	Reversible Thermally and Photoinduced Electron Transfer in a Cyano-Bridged {Fe ₂ Co ₂ } Square Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3752-3756.	7.2	206
64	First Fe(II)-based cyano-bridged single molecule magnet [Cr ^{III} Fe ^{II} 2] with a large anisotropy. <i>Chemical Communications</i> , 2010, 46, 6959.	2.2	65
65	A cyano-based octanuclear {Fe ^{III} 4Ni ^{II} 4} single-molecule magnet. <i>Chemical Communications</i> , 2010, 46, 4953.	2.2	45
66	Orbital-dependent magnetic properties of molecular cluster containing high-spin Co(II) ions. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 3368-3378.	1.0	7
67	Control of Magnetic Properties through External Stimuli. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2152-2187.	7.2	1,021
68	Control of Magnetic Properties through External Stimuli. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5049-5049.	7.2	4
69	Heterometallic Cr ^{III} Mn Complexes Containing Cyanide and Oxalate Bridges. <i>Inorganic Chemistry</i> , 2006, 45, 5447-5454.	1.9	42
70	Structures and magnetism of cyano-bridged grid-like two-dimensional 4 ² ×3 ² arrays. <i>Journal of Materials Chemistry</i> , 2006, 16, 2625-2634.	6.7	56
71	One-Dimensional Ferromagnetic Complexes Built with Mn ^{III} 3O Units. <i>Inorganic Chemistry</i> , 2006, 45, 4877-4879.	1.9	51
72	Three-Dimensional Heterometallic Chiral Cr ^{III} Mn Compound Constructed by Cyanide and Dicyanamide Bridges. <i>Inorganic Chemistry</i> , 2006, 45, 10404-10406.	1.9	33

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73	An azido-bridged disc-like heptanuclear cobalt(ii) cluster: towards a single-molecule magnet. <i>Chemical Communications</i> , 2006, , 3302.	2.2	202
74	Two Molecular Tapes Consisting of Serial or Parallel Azido-Bridged Eight-Membered Copper Rings. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5841-5846.	7.2	109
75	Rational Synthesis and Magnetic Properties of a Family of Low-Dimensional Heterometallic Cr ^{III} /Mn Complexes Based on the Versatile Building Block [Cr(2,2'-bipyridine)(CN) ₄] ⁻ . <i>Inorganic Chemistry</i> , 2005, 44, 4534-4545.	1.9	91
76	Linking cyano-bridged ladders by azide to form a layered metamagnet. Electronic supplementary information (ESI) available: crystal structure plots, more magnetic data and plots for 1 and 2. See http://www.rsc.org/suppdata/cc/b4/b405167j/ . <i>Chemical Communications</i> , 2004, , 1906.	2.2	80
77	The Observation of Superparamagnetic Behavior in Molecular Nanowires. <i>Journal of the American Chemical Society</i> , 2004, 126, 8900-8901.	6.6	247
78	Slow Magnetic Relaxation in a Mixed-Valence Mn(II/III) Complex: $[Mn^{II}_2(bispicen)_2(\frac{1}{4}Cl)_2Mn^{III}(Cl_4Cat)_2Mn^{III}(Cl_4Cat)_2(H_2O)_2]^{+}$. <i>Inorganic Chemistry</i> , 2004, 43, 849-851.	1.9	37
79	An Azide-Bridged Homospin Single-Chain Magnet: $[Co(2,2'-bithiazoline)(N_3)_2]_n$. <i>Journal of the American Chemical Society</i> , 2003, 125, 13976-13977.	6.6	479
80	Coexistence of Long-Range Ferromagnetic Ordering and Glassy Behavior in One-Dimensional Bimetallic Cyano-Bridged Polymers. <i>Inorganic Chemistry</i> , 2003, 42, 6123-6129.	1.9	91
81	Two-dimensional rare earth coordination polymers involving different coordination modes of thiodiglycolic acid. <i>Inorganic Chemistry Communication</i> , 2002, 5, 28-31.	1.8	22