

Yuan-Zhu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3197885/publications.pdf>

Version: 2024-02-01

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	Control of Magnetic Properties through External Stimuli. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2152-2187.	7.2	1,021
2	An Azide-Bridged Homospin Single-Chain Magnet: $[Co(2,2\text{-bithiazoline})(N_3)_2]_n$. <i>Journal of the American Chemical Society</i> , 2003, 125, 13976-13977.	6.6	479
3	The Observation of Superparamagnetic Behavior in Molecular Nanowires. <i>Journal of the American Chemical Society</i> , 2004, 126, 8900-8901.	6.6	247
4	Reversible Thermally and Photoinduced Electron Transfer in a Cyano-Bridged $\{Fe_2Co_2\}$ Square Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3752-3756.	7.2	206
5	Trifluoromethylation Enables a 3D Interpenetrated Low-Band-Gap Acceptor for Efficient Organic Solar Cells. <i>Joule</i> , 2020, 4, 688-700.	11.7	206
6	An azido-bridged disc-like heptanuclear cobalt(ii) cluster: towards a single-molecule magnet. <i>Chemical Communications</i> , 2006, , 3302.	2.2	202
7	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
8	Thermochromic and Photoresponsive Cyanometalate Fe/Co Squares: Toward Control of the Electron Transfer Temperature. <i>Journal of the American Chemical Society</i> , 2014, 136, 16854-16864.	6.6	123
9	Trigonal antiprismatic Co(ii) single molecule magnets with large uniaxial anisotropies: importance of Raman and tunneling mechanisms. <i>Chemical Science</i> , 2016, 7, 6519-6527.	3.7	112
10	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
11	Reversible On/Off Switching of a Single-Molecule Magnet via a Crystal-to-Crystal Chemical Transformation. <i>Journal of the American Chemical Society</i> , 2017, 139, 11714-11717.	6.6	97
12	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
13	Rational Synthesis and Magnetic Properties of a Family of Low-Dimensional Heterometallic Cr ^{III} Mn Complexes Based on the Versatile Building Block $[Cr(2,2\text{-bipyridine})(CN)_4]^-$. <i>Inorganic Chemistry</i> , 2005, 44, 4534-4545.	1.9	91
14	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
15	Single-Chain Magnetic Behavior in a Heterospin Complex Mediated by Supramolecular Interactions with TCNQ ^{•-} Radicals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11567-11570.	7.2	79
16	First Fe(ii)-based cyano-bridged single molecule magnet $[CrIIIFeII_2]$ with a large anisotropy. <i>Chemical Communications</i> , 2010, 46, 6959.	2.2	65
17	Structures and magnetism of cyano-bridged grid-like two-dimensional 4 ⁺ 3d arrays. <i>Journal of Materials Chemistry</i> , 2006, 16, 2625-2634.	6.7	56
18	One-Dimensional Ferromagnetic Complexes Built with MnIII3O Units. <i>Inorganic Chemistry</i> , 2006, 45, 4877-4879.	1.9	51

#	ARTICLE	IF	CITATIONS
19	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
20	A cyano-based octanuclear {FeIII4NiII4} single-molecule magnet. <i>Chemical Communications</i> , 2010, 46, 4953.	2.2	45
21	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
22	Heterometallic Cr ^{III} Mn Complexes Containing Cyanide and Oxalate Bridges. <i>Inorganic Chemistry</i> , 2006, 45, 5447-5454.	1.9	42
23	Irreversible solvent-driven conversion in cyanometalate {Fe2Ni}n (n = 2, 3) single-molecule magnets. <i>Chemical Communications</i> , 2011, 47, 7194.	2.2	42
24	Construction and Magnetic Study of a Trigonal-Prismatic Cobalt(II) Single-Ion Magnet. <i>Inorganic Chemistry</i> , 2018, 57, 14047-14051.	1.9	42
25	Enforcing Ising-like magnetic anisotropy via trigonal distortion in the design of a W ^V Co ^{II} cyanide single-chain magnet. <i>Chemical Science</i> , 2018, 9, 119-124.	3.7	40
26	Slow Magnetic Relaxation in a Mixed-Valence Mn(II/III) Complex: $[MnII_2(bispicen)_2(1/43-Cl)2MnIII(Cl4Cat)2MnIII(Cl4Cat)2(H2O)2] \cdot nH_2O$. <i>Inorganic Chemistry</i> , 2004, 43, 849-851.	1.9	37
27	Pyrazolylborates and Their Importance in Tuning Single-Molecule Magnet Properties of {Fe ^{III} 2Ni ^{II} } Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 10537-10539.	1.9	37
28	A Single-Chain Magnet Tape Based on Hexacyanomanganate(III). <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5583-5587.	7.2	36
29	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
30	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
31	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
32	Linear trinuclear cobalt(II) single molecule magnet. <i>Dalton Transactions</i> , 2015, 44, 2865-2870.	1.6	31
33	Imidodiphosphonate Ligands for Enhanced Sensitization and Shielding of Visible and Near-Infrared Lanthanides. <i>Inorganic Chemistry</i> , 2019, 58, 13268-13275.	1.9	29
34	Synthesis and magnetic studies of pentagonal bipyramidal metal complexes of Fe, Co and Ni. <i>Dalton Transactions</i> , 2019, 48, 3243-3248.	1.6	29
35	Structure-Property Relationships of Precisely Chlorinated Thiophene-Substituted Acceptors. <i>Advanced Functional Materials</i> , 2021, 31, 2106524.	7.8	29
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Structure–property trends in cyanido-bridged tetranuclear FeIII/NiII single-molecule magnets. <i>Polyhedron</i> , 2013, 52, 115-121.	1.0	17
40	Variations in topology and magnetic properties of hepta- and octacyanometallates of molybdenum with manganese(μ_2). <i>Dalton Transactions</i> , 2014, 43, 6802-6810.	1.6	17
41	A smart post-synthetic route towards [Fe ₂ Co ₂] molecular capsules with electron transfer and bidirectional switching behaviors. <i>Science China Chemistry</i> , 2021, 64, 1340-1348.	4.2	16
42	In situ tetrazole templated chair-like decanuclear azido-cobalt(μ_2) SMM containing both tetra- and octa-hedral Co(μ_2) ions. <i>Dalton Transactions</i> , 2015, 44, 480-483.	1.6	15
43	Spin and valence isomerism in cyanide-bridged {FeII ₂ M ^{II} } (M = Fe and Co) clusters. <i>Dalton Transactions</i> , 2021, 50, 9768-9774.	1.6	15
44	Manipulating the spin crossover behavior in a series of {FeII ₂ Fe ^{II} } complexes. <i>Dalton Transactions</i> , 2020, 49, 5949-5956.	1.6	14
45	A trinuclear {FeII ₂ FeII} 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
46	Synthesis and Characterization of Di- and Trivalent Pyrazolylborate \hat{I}^2 -Diketonates and Cyanometallates. <i>Inorganic Chemistry</i> , 2011, 50, 5153-5164.	1.9	12
47	An Azido–Cyanide Mixed-Bridged [Fe ₄ Ni ₄] Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 7127-7130.	1.9	12
48	Cyanide-Bridged Fe-Co Polynuclear Clusters Based on Four-Coordinate Cobalt(II). <i>Inorganic Chemistry</i> , 2020, 59, 8025-8033.	1.9	12
49	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
50	Structure–Property Relationships in Tricyanoferrate(III) Building Blocks and Trinuclear Cyanide–Bridged Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2432-2442.	1.0	11
51	Azido-Cyanide Mixed-Bridged Fe ^{III} –Ni ^{II} Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 16215-16224.	1.9	11
52	Anion-Dependent Electron Transfer in the Cyanide-Bridged [Fe ₂ Co ₂] Capsules. <i>Inorganic Chemistry</i> , 2021, 60, 14330-14335.	1.9	11
53	Polyoxometalate-Assisted Assembly of Pearl-Chain-Like Cyanide-Bridged Single-Chain Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 931-938.	1.9	11
54	EPR studies of a cyano-bridged {Fe ₂ IIINiII} coordination complex and its corresponding FeIII mononuclear building-block. <i>Polyhedron</i> , 2013, 59, 48-51.	1.0	10

#	ARTICLE	IF	CITATIONS
55	Magneto-Structural Analysis of Iron(III) Keggin Polyoxometalates. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1310-1318.	1.1	10
56	A Dicobalt(II) Single-Molecule Magnet via a Well-Designed Dual-Capping Tetrazine Radical Ligand. <i>Inorganic Chemistry</i> , 2021, , .	1.9	10
57	Polyoxometalate steric hindrance driven chirality-selective separation of subnanometer carbon nanotubes. <i>Chemical Science</i> , 2022, 13, 5920-5928.	3.7	10
58	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
59	Desolvationâ€“Solvation-Induced Reversible Onâ€“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
60	[Au ^I (CN) ₂]-Armed [Fe ^{III}] ₂ Fe ^{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
61	A cyanido-bridged trinuclear {Fe ^{III} 2Ni ^{II} } complex decorated with organic radicals. <i>Polyhedron</i> , 2013, 60, 110-115.	1.0	8
62	Incorporating Trigonal-Prismatic Cobalt(II) Blocks into an Exchange-Coupled [Co ₂ Cu] System. <i>Inorganic Chemistry</i> , 2020, 59, 10389-10394.	1.9	8
63	Two azido-bridged [2Å–2] cobalt(ⁱⁱ) grids featuring single-molecule magnet behaviour. <i>Dalton Transactions</i> , 2020, 49, 9218-9222.	1.6	8
64	Manipulating the spin crossover behaviour in a series of cyanide-bridged {Fe ^{III} 2Fe ^{II} } molecular squares through NCE ⁺ co-ligands. <i>Dalton Transactions</i> , 2022, 51, 5596-5602.	1.6	8
65	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
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	Two azido-bridged homospin Fe(ⁱⁱ)/Co(ⁱⁱ) coordination polymers featuring single-chain magnet behavior. <i>Dalton Transactions</i> , 2020, 49, 4805-4810.	1.6	7
68	Thermally Induced Reversible Metal-to-Metal Charge Transfer in Mixed-Valence {Fe ^{III}] ₄ Fe ^{II}] ₄ } Cubes. <i>CCS Chemistry</i> , 2022, 4, 2452-2459.	4.6	7
69	Hydrothermal syntheses and structures of cobalt(II) and copper(II) coordination polymers with 1-tetrazole-phenyl-4-methylphosphonate ligands. <i>Inorganica Chimica Acta</i> , 2017, 458, 109-115.	1.2	6
70	A cyanide-bridged Feâ€“Co pearl-chain-like single-chain magnet containing 4-coordinate cobalt(ⁱⁱ) ions. <i>Dalton Transactions</i> , 2021, 50, 17372-17377.	1.6	6
71	Synthesis and characterization of first row transition metal p-toluenesulfonate complexes and chains. <i>Polyhedron</i> , 2017, 123, 344-352.	1.0	5
72	An azido-bridged [Fe ^{II} 4] grid-like molecule showing spin crossover behaviour. <i>Dalton Transactions</i> , 2021, 50, 14303-14308.	1.6	5

#	ARTICLE	IF	CITATIONS
73	Control of Magnetic Properties through External Stimuli. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5049-5049.	7.2	4
74	Reprint of "A cyanido-bridged trinuclear {FeIII ₂ NiII} complex decorated with organic radicals". <i>Polyhedron</i> , 2013, 64, 393-398.	1.0	4
75	Hydrothermal synthesis, structure and magnetic properties of a three-dimensional cobalt(II) aminophenyltetrazolate coordination polymer. <i>Dalton Transactions</i> , 2014, 43, 7263-7268.	1.6	4
76	A linear trinuclear ferrous single molecule magnet. <i>Dalton Transactions</i> , 2018, 47, 16704-16708.	1.6	4
77	Structure-property studies of a new one-dimensional Fe(III)/Mn(II) chain. <i>Polyhedron</i> , 2020, 179, 114376.	1.0	4
78	A seven-coordinated Dy ^{III} single-ion magnet with <i>C</i> _{2v} symmetry constructed by a multidentate Schiff-base ligand. <i>CrystEngComm</i> , 2021, 23, 1718-1722.	1.3	3
79	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
80	Reprint of "EPR studies of a cyano-bridged {Fe ₂ III NiII} coordination complex and its corresponding FeIII mononuclear building-block". <i>Polyhedron</i> , 2013, 66, 279-282.	1.0	1
81	Self-Assembly of a Dodecanuclear [Ni ₁₂] Wheel. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1305-1310.	1.0	1