Tao Liu

List of Publications by Year in descending order

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104 papers	4,360 citations	101384 36 h-index	114278 63 g-index
105 all docs	105 docs citations	105 times ranked	4202 citing authors

#	Article	IF	Citations
1	Thermal and photoinduced spin-crossover of mononuclear Fe^{II} complexes based on bppCHO ligand. Dalton Transactions, 2022, 51, 602-607.	1.6	4
2	Manipulating Selective Metalâ€toâ€Metal Electron Transfer to Achieve Multiâ€Phase Transitions in an Asymmetric [Fe₂Co]â€Assembled Mixedâ€Valence Chain. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
3	The substituent effect on the spin-crossover behaviour in a series of mononuclear Fe(<scp>ii</scp>) complexes from thio-pybox ligands. Inorganic Chemistry Frontiers, 2022, 9, 2343-2352.	3.0	7
4	Achieving large thermal hysteresis in an anthracene-based manganese(II) complex via photo-induced electron transfer. Nature Communications, 2022, 13, 2646.	5.8	35
5	Slow magnetic relaxation in mononuclear octa-coordinate Fe(<scp>ii</scp>) and Co(<scp>ii</scp>) complexes from a Bpybox ligand. Dalton Transactions, 2022, 51, 8865-8873.	1.6	2
6	Construction of spin-crossover dinuclear cobalt(<scp>ii</scp>) compounds based on complementary terpyridine ligand pairing. Dalton Transactions, 2022, 51, 9888-9893.	1.6	3
7	Spinâ€Crossover Tuned Rotation of Pyrazolyl Rings in a 2D Iron(II) Complex towards Synergetic Magnetic and Dielectric Transitions. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
8	Ferromagnetic Archimedean polyhedra {Fe24M18} (M = Fe, Ni, and Mn) with tunable electron configurations. Inorganic Chemistry Frontiers, 2021, 8, 4239-4246.	3.0	1
9	Asymmetric Coordination Toward a Photoinduced Singleâ€Chain Magnet Showing High Coercivity Values. Angewandte Chemie, 2021, 133, 10631-10635.	1.6	0
10	Asymmetric Coordination Toward a Photoinduced Singleâ€Chain Magnet Showing High Coercivity Values. Angewandte Chemie - International Edition, 2021, 60, 10537-10541.	7.2	19
11	Switching the magnetic hysteresis of an [Feiiâ€“NCâ€“W v]-based coordination polymer by photoinduced reversible spin crossover. Nature Chemistry, 2021, 13, 698-704.	6.6	61
12	Construction of Magnetoâ€Fluorescent Bifunctional Spinâ€Crossover Fe(II) Complex from Pyreneâ€Decorated Pybox Ligand. European Journal of Inorganic Chemistry, 2021, 2021, 3992-3999.	1.0	7
13	Ligand symmetry significantly affects spin crossover behaviour in isomeric [Fe(pybox)₂]²⁺ complexes. Dalton Transactions, 2021, 50, 3369-3378.	1.6	8
14	Weak exchange coupling effects leading to fast magnetic relaxations in a trinuclear dysprosium single-molecule magnet. Inorganic Chemistry Frontiers, 2020, 7, 447-454.	3.0	15
15	Construction of SCO-Active Fe(II) Mononuclear Complexes from the Thio-pybox Ligand. Inorganic Chemistry, 2020, 59, 7398-7407.	1.9	14
16	A Mixedâ€Valence {Fe 13 } Cluster Exhibiting Metalâ€toâ€Metal Chargeâ€Transferâ€Switched Spin Crossover. Angewandte Chemie, 2020, 132, 16535.	1.6	4
17	A Mixedâ€Valence {Fe₁₃} Cluster Exhibiting Metalâ€toâ€Metal Chargeâ€Transferâ€Switched Spin Crossover. Angewandte Chemie - International Edition, 2020, 59, 16393-16397.	7.2	30
18	Effect of Intermolecular Interactions on Metalâ€toâ€Metal Charge Transfer: A Combined Experimental and Theoretical Investigation. Angewandte Chemie, 2019, 131, 17165-17171.	1.6	1

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19	Effect of Intermolecular Interactions on Metalâ€toâ€Metal Charge Transfer: A Combined Experimental and Theoretical Investigation. Angewandte Chemie - International Edition, 2019, 58, 17009-17015.	7.2	37
20	Magnetic investigations over reversibly switched chiral (phthalocyaninato)(porphyrinato) dysprosium double-decker compounds. Dalton Transactions, 2019, 48, 1586-1590.	1.6	9
21	Design principle of half-sandwich type erbium single-ion magnets through crystal field engineering: a combined magnetic and electronic structure study. Dalton Transactions, 2019, 48, 10407-10411.	1.6	10
22	Photo-switched magnetic coupling in spin-crossover complexes. Chemical Communications, 2019, 55, 8359-8373.	2.2	33
23	Spin crossover and photomagnetic behaviors in one-dimensional looped coordination polymers. Dalton Transactions, 2019, 48, 9243-9249.	1.6	15
24	Synergistic catalysis for light-driven proton reduction using a polyoxometalate-based Cuâ€“Ni heterometallicâ€“organic framework. Chemical Communications, 2019, 55, 3805-3808.	2.2	40
25	Spin crossover and structural phase transition in homochiral and heterochiral Fe[(pybox)2]2+ complexes. Dalton Transactions, 2019, 48, 6323-6327.	1.6	15
26	Manipulating Spin Transition To Achieve Switchable Multifunctions. Accounts of Chemical Research, 2019, 52, 1369-1379.	7.6	113
27	Fluorescence modulation via photoinduced spin crossover switched energy transfer from fluorophores to Fe^{II} ions. Chemical Science, 2018, 9, 2892-2897.	3.7	67
28	Dual-Excitation Polyoxometalate-Based Frameworks for One-Pot Light-Driven Hydrogen Evolution and Oxidative Dehydrogenation. ACS Applied Materials & Interfaces, 2018, 10, 13462-13469.	4.0	36
29	Switching single chain magnet behaviorviaphotoinduced bidirectional metal-to-metal charge transfer. Chemical Science, 2018, 9, 617-622.	3.7	57
30	Steuerung des Metallâ€Metallâ€Chargeâ€Transfers zur Erzeugung schaltbarer Materialien. Angewandte Chemie, 2018, 130, 12394-12405.	1.6	28
31	Simultaneous Modulation of Magnetic and Dielectric Transition via Spinâ€Crossoverâ€Tuned Spin Arrangement and Charge Distribution. Angewandte Chemie - International Edition, 2018, 57, 8468-8472.	7.2	67
32	Simultaneous Modulation of Magnetic and Dielectric Transition via Spinâ€Crossoverâ€Tuned Spin Arrangement and Charge Distribution. Angewandte Chemie, 2018, 130, 8604-8608.	1.6	15
33	Manipulating Metalâ€toâ€Metal Charge Transfer for Materials with Switchable Functionality. Angewandte Chemie - International Edition, 2018, 57, 12216-12226.	7.2	132
34	Controllable antiferromagnetic to ferromagnetic coupling in polynuclear Fe(III)â€“Co(II) heterobimetallic complexes. Inorganic Chemistry Communication, 2017, 76, 55-58.	1.8	9
35	¹¹⁹Sn MÃ¶ssbauer and Ferromagnetic Studies on Hierarchical Tin- and Nitrogen-Codoped TiO₂ Microspheres with Efficient Photocatalytic Performance. Journal of Physical Chemistry C, 2017, 121, 6662-6673.	1.5	17
36	Lightâ€Induced Bidirectional Metalâ€toâ€Metal Charge Transfer in a Linear Fe₂Co Complex. Angewandte Chemie, 2017, 129, 7771-7776.	1.6	17

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37	Lightâ€Induced Bidirectional Metalâ€toâ€Metal Charge Transfer in a Linear Fe₂Co Complex. Angewandte Chemie - International Edition, 2017, 56, 7663-7668.	7.2	52
38	Twoâ€Step Spinâ€Crossover with Three Inequivalent Fe^{II} Sites in a Twoâ€Dimensional Hofmannâ€Type Coordination Polymer. Chemistry - A European Journal, 2017, 23, 10034-10037.	1.7	31
39	A Material Showing Colossal Positive and Negative Volumetric Thermal Expansion with Hysteretic Magnetic Transition. Angewandte Chemie - International Edition, 2017, 56, 13052-13055.	7.2	33
40	A Material Showing Colossal Positive and Negative Volumetric Thermal Expansion with Hysteretic Magnetic Transition. Angewandte Chemie, 2017, 129, 13232-13235.	1.6	7
41	A Series of Linear {Fe^{III}₂Fe^{II}} Complexes with Paramagnetic Buildingâ€Blockâ€Modified Spin Crossover Behaviors. Chemistry - A European Journal, 2017, 23, 15930-15936.	1.7	26
42	Synergic on/off Photoswitching Spin State and Magnetic Coupling between Spin Crossover Centers. Inorganic Chemistry, 2017, 56, 10674-10680.	1.9	29
43	Three Properties in One Coordination Complex: Chirality, Spin Crossover, and Dielectric Switching. European Journal of Inorganic Chemistry, 2017, 2017, 3144-3149.	1.0	29
44	Structural and Magnetic Properties of ⁵⁷Feâ€Doped TiO₂ and ⁵⁷Fe/Snâ€Codoped TiO₂ Prepared by a Softâ€Chemical Process. European Journal of Inorganic Chemistry, 2016, 2016, 2131-2135.	1.0	7
45	Coexistence of the single chain magnet and spin-glass behavior in a cyano-bridged {FeIII2FeII} chain. Inorganic Chemistry Communication, 2016, 66, 55-58.	1.8	7
46	Syntheses, structures, and magnetic properties of three new cyano-bridged heterobimetallic chains based on [Fe(Tp*)(CN)₃]^{â^'}. New Journal of Chemistry, 2016, 40, 8451-8458.	1.4	7
47	Magnetic fluorescent bifunctional spin-crossover complexes. Dalton Transactions, 2016, 45, 18552-18558.	1.6	34
48	Construction of solvent-dependent self-assembled porous Ni(<scp>ii</scp>)-coordinated frameworks as effective catalysts for chemical transformation of CO₂. RSC Advances, 2016, 6, 108010-108016.	1.7	6
49	Spin transitions in a series of [Fe(pybox)₂]²⁺ complexes modulated by ligand structures, counter anions, and solvents. Inorganic Chemistry Frontiers, 2016, 3, 1624-1636.	3.0	38
50	Single-molecule magnet behavior in a tetranuclear cyano-bridged FeIII2NiII2 cluster. Inorganic Chemistry Communication, 2016, 74, 12-15.	1.8	8
51	Coexistence of metamagnetism and single chain magnet behavior in a FeII 2CoII layer compound. Science China Chemistry, 2016, 59, 735-739.	4.2	8
52	Organized Aggregation Makes Insoluble Perylene Diimide Efficient for the Reduction of Aryl Halides via Consecutive Visible Light-Induced Electron-Transfer Processes. Journal of the American Chemical Society, 2016, 138, 3958-3961.	6.6	235
53	A ferromagnetically coupled Fe42 cyanide-bridged nanocage. Nature Communications, 2015, 6, 5955.	5.8	104
54	Charge Transfer Induced Multifunctional Transitions with Sensitive Pressure Manipulation in a Metalâ€“Organic Framework. Inorganic Chemistry, 2015, 54, 6433-6438.	1.9	49

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55	12-Metal 36-membered ring based W^Vâ€“Co^{II}layers showing spin-glass behavior. Dalton Transactions, 2015, 44, 12613-12617.	1.6	6
56	Rational enhancement of the energy barrier of bis(tetrapyrrole) dysprosium SMMs via replacing atom of porphyrin core. Chemical Science, 2015, 6, 5947-5954.	3.7	90
57	Two cyano-bridged {FeIII4MII2}c (M=FeII, CoII) hexanuclear complexes with dominant ferromagnetic interactions. Inorganic Chemistry Communication, 2015, 57, 33-35.	1.8	3
58	Two octacyanometallate based WVNiII and MoVNiII chains with dominant ferromagnetic interactions. Inorganic Chemistry Communication, 2015, 57, 29-32.	1.8	2
59	A cyano-bridged tubular coordination polymer with dominant ferromagnetic interactions. Dalton Transactions, 2015, 44, 464-467.	1.6	8
60	Structural phase transition in a multi-induced mononuclear FeII spin-crossover complex. Dalton Transactions, 2015, 44, 20906-20912.	1.6	25
61	Selective on/off switching at room temperature of a magnetic bistable {Fe₂Co₂} complex with single crystal-to-single crystal transformation via intramolecular electron transfer. Chemical Communications, 2014, 50, 1665-1667.	2.2	48
62	Enhanced Spin-Crossover Behavior Mediated by Supramolecular Cooperative Interactions. Inorganic Chemistry, 2014, 53, 8129-8135.	1.9	21
63	Cyano-bridged Fe 2 Cu clusters: Control of magnetic properties through cisâ€“trans arrangement. Inorganic Chemistry Communication, 2014, 48, 8-11.	1.8	5
64	From tetranuclear cluster with single-molecule-magnet behavior to 1D alternating spin-canting chain in a Fe(III)â€“Mn(III) bimetallic system. Inorganic Chemistry Communication, 2014, 47, 155-158.	1.8	7
65	Cyano-bridged Fe2Cu double-zigzag chains: From metamagnetism to coexistence of metamagnetism and single-chain magnet behavior. Inorganic Chemistry Communication, 2014, 49, 147-150.	1.8	8
66	Binuclear Phthalocyanineâ€Based Sandwichâ€Type Rare Earth Complexes: Unprecedented Two Ï€â€Bridged Biradicalâ€Metal Integrated SMMs. Chemistry - A European Journal, 2013, 19, 11162-11166.	1.7	74
67	Mixed (phthalocyaninato)(Schiff-base) di-dysprosium sandwich complexes. Effect of magnetic coupling on the SMM behavior. Dalton Transactions, 2013, 42, 15355.	1.6	30
68	Synthesis, Structure, and Singleâ€Molecule Magnetic Properties of Rareâ€Earth Sandwich Complexes with Mixed Phthalocyanine and Schiff Base Ligands. Chemistry - A European Journal, 2013, 19, 2266-2270.	1.7	48
69	A light-induced spin crossover actuated single-chain magnet. Nature Communications, 2013, 4, .	5.8	162
70	Field-induced slow relaxation of magnetization in a tetrahedral Co(ii) complex with easy plane anisotropy. Dalton Transactions, 2013, 42, 15326.	1.6	124
71	Slow magnetic relaxation in a cyano-bridged ferromagnetic {FeIIINiII} alternating chain. Dalton Transactions, 2013, 42, 7693.	1.6	21
72	A photoactive basket-like metalâ€“organic tetragon worked as an enzymatic molecular flask for light driven H₂production. Chemical Communications, 2013, 49, 627-629.	2.2	52

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73	Naphthyridine-based lanthanide complexes worked as magnetic resonance imaging contrast for guanosine 5â€²-monophosphate in vivo. Talanta, 2013, 117, 412-418.	2.9	14
74	Synthesis, structures and single chain magnet behavior of a cyano-bridged {Fe2Cu} chain. Inorganic Chemistry Communication, 2012, 24, 153-156.	1.8	7
75	A hexanuclear gadoliniumâ€“organic octahedron as a sensitive MRI contrast agent for selectively imaging glucosamine in aqueous media. Chemical Communications, 2012, 48, 9290.	2.2	28
76	Above-Room-Temperature Magnetodielectric Coupling in a Possible Molecule-Based Multiferroic: Triethylmethylammonium Tetrabromoferrate(III). Journal of the American Chemical Society, 2012, 134, 18487-18490.	6.6	110
77	Dual-Functional Gadolinium-Based Copper(II) Probe for Selective Magnetic Resonance Imaging and Fluorescence Sensing. Inorganic Chemistry, 2012, 51, 2325-2331.	1.9	77
78	Mild hydrothermal synthesis, structure and characterization of the vanadyl phosphate hydrate Pb(VOPO4)2Â·3H2O: the formation of spin dimers in a three dimensional crystal structure. Journal of Materials Chemistry, 2012, 22, 19872.	6.7	6
79	Synthesis, structures, electrochemistry and magnetic properties of a cyano-bridged {Fe2Co2} molecular square. Inorganic Chemistry Communication, 2012, 21, 84-87.	1.8	16
80	Post-modification of a MOF through a fluorescent-labeling technology for the selective sensing and adsorption of Ag+ in aqueous solution. Dalton Transactions, 2012, 41, 10153.	1.6	48
81	Luminescent Metalâ€Organic Frameworks for Selectively Sensing Nitric Oxide in an Aqueous Solution and in Living Cells. Advanced Functional Materials, 2012, 22, 1698-1703.	7.8	198
82	Photoswitchable Dynamic Magnetic Relaxation in a Wellâ€Isolated {Fe₂Co} Doubleâ€Zigzag Chain. Angewandte Chemie - International Edition, 2012, 51, 5119-5123.	7.2	119
83	Reversible Electron Transfer in a Linear {Fe₂Co} Trinuclear Complex Induced by Thermal Treatment and Photoirraditaion. Angewandte Chemie - International Edition, 2012, 51, 4367-4370.	7.2	81
84	Tetrakis(phthalocyaninato) Rareâ€Earthâ€“Cadmiumâ€“Rareâ€Earth Quadrupleâ€Decker Sandwich SMMs: Suppression of QTM by Longâ€Distance fâ€“f Interactions. Chemistry - A European Journal, 2012, 18, 7691-7694.	1.7	59
85	Spin-canting and weak ferromagnetism in two novel 1D alternating chains with single cis-end-to-end azido bridges. Science China Chemistry, 2012, 55, 1031-1036.	4.2	1
86	Synthesis, structure, and magnetic properties of a cyanidebridged Fe(III)-Cu(II) bimetallic double-zigzag chain with slow relaxation of the magnetization. Science China Chemistry, 2012, 55, 1018-1021.	4.2	6
87	Synthesis, crystal structure, and magnetic property of a rarely seen Î¼1,1-OMe-bridged dimeric manganese(III) complex derived from 2-[1-(2-methylaminoethylimino)ethyl]phenol. Inorganic Chemistry Communication, 2012, 19, 47-50.	1.8	8
88	Waterâ€Switching of Spin Transitions Induced by Metalâ€toâ€Metal Charge Transfer in a Microporous Framework. Angewandte Chemie - International Edition, 2010, 49, 8645-8648.	7.2	72
89	Photoinduced Metal-to-Metal Charge Transfer toward Single-Chain Magnet. Journal of the American Chemical Society, 2010, 132, 8250-8251.	6.6	177
90	Interconversion between a Nonporous Nanocluster and a Microporous Coordination Polymer Showing Selective Gas Adsorption. Journal of the American Chemical Society, 2010, 132, 912-913.	6.6	87

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91	Reversible Single-Crystal-to-Single-Crystal Transformation from Achiral Antiferromagnetic Hexanuclears to a Chiral Ferrimagnetic Double Zigzag Chain. Journal of the American Chemical Society, 2009, 131, 7942-7943.	6.6	145
92	Syntheses, Structures and Magnetic Properties of Two Mixedâ€Valent Discâ€like Heptaâ€nuclear Compounds of [Fe^{II}Fe^{III}₆(tea)₆](ClO₄)₂ and [Mn^{II}₃Mn^{III}₄(nmdea)₆(N₃)₆]Â·CH<s		