

Song-De Han

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

2,023
citations

26
h-index

42
g-index

79
ext. papers

2,457
ext. citations

5.4
avg, IF

5.68
L-index

#	Paper	IF	Citations
74	Recent advances in crystalline hybrid photochromic materials driven by electron transfer. <i>Coordination Chemistry Reviews</i> , 2022 , 452, 214304	23.2	24
73	Inserting protonated phenanthroline derivatives into the interchain voids of anionic halometallate units to generate hybrid materials with tunable photochromic performance.. <i>Dalton Transactions</i> , 2022 ,	4.3	2
72	Electron transfer photochromism of Ln-based (Ln = Dy, Tb) coordinated polymers for reversibly switching off/on single-molecule magnetic behavior. <i>Science China Materials</i> , 2022 , 65, 788-794	7.1	1
71	Modulating the structure and photochromic performance of hybrid metal chlorides with nonphotochromic 1,10-phenanthroline and its derivative. <i>Dalton Transactions</i> , 2021 ,	4.3	1
70	Luminescent Thermochromism and White-Light Emission of a 3D [AgBr] Cluster-Based Coordination Framework with Both Adamantane-like Node and Linker. <i>Inorganic Chemistry</i> , 2021 , 60, 4375-4379	5.1	30
69	Luminescent Turn-On/Turn-Off Sensing Properties of a Water-Stable Cobalt-Based Coordination Polymer. <i>Crystal Growth and Design</i> , 2021 , 21, 2332-2339	3.5	8
68	Quadruple Photoresponsive Functionality in a Crystalline Hybrid Material: Photochromism, Photomodulated Fluorescence, Magnetism and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2021 , 27, 7842-7846	4.8	35
67	Light enhanced proton conductivity in a terbium phosphonate photochromic chain complex. <i>Science China Chemistry</i> , 2021 , 64, 1170-1176	7.9	15
66	Proton coupled electron transfer mechanism for the design and construction of crystalline hybrid photochromic halometallates based on nonphotoactive polypyridine-derivative moieties. <i>Dyes and Pigments</i> , 2021 , 184, 108784	4.6	6
65	The Tri(imidazole)-Derivative Moiety: A New Category of Electron Acceptors for the Design of Crystalline Hybrid Photochromic Materials. <i>Chemistry - A European Journal</i> , 2021 , 27, 1410-1415	4.8	31
64	Novel silver(I) cluster-based coordination polymers as efficient luminescent thermometers. <i>CrystEngComm</i> , 2021 , 23, 56-63	3.3	5
63	Alkali-regulated Fe ₆ and Fe ₁₈ molecular clusters and their structural transformation. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 4186-4191	6.8	1
62	Decorating Metal Nitrate with a Coplanar Bipyridine Moiety: A Simple and General Method for Fabricating Photochromic Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 4709-4714	4.8	9
61	Heterometallic Organic Framework from [Cu ₂ I ₂] and [PbO] _n Chains: Photoluminescence, Sensing, and Photocatalytic Performance. <i>Crystal Growth and Design</i> , 2021 , 21, 5261-5267	3.5	1
60	Template syntheses of cadmium/lead halides as luminescence thermometers. <i>Inorganic Chemistry Communication</i> , 2021 , 131, 108765	3.1	1
59	Template syntheses of diverse haloargentates with reversible photochromism behaviors and efficient photocatalytic properties. <i>CrystEngComm</i> , 2021 , 23, 1588-1595	3.3	5
58	Metal-dependent photochromic performance in two isostructural supramolecular chains. <i>Dalton Transactions</i> , 2021 , 50, 546-552	4.3	12

57	Manipulating On/Off Single-Molecule Magnet Behavior in a Dy(III)-Based Photochromic Complex. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2682-2689	16.4	184
56	Construction of Iodoargentates with Diverse Architectures: Template Syntheses, Structures, and Photocatalytic Properties. <i>Crystal Growth and Design</i> , 2020 , 20, 1130-1138	3.5	28
55	Enhanced Room-Temperature Phosphorescence of an Organic Ligand in 3D Hybrid Materials Assisted by Adjacent Halogen Atom. <i>Inorganic Chemistry</i> , 2020 , 59, 972-975	5.1	13
54	Mixed-Ligand Strategy for the Construction of Photochromic Metal-Organic Frameworks Driven by Electron-Transfer Between Nonphotoactive Units. <i>Crystal Growth and Design</i> , 2020 , 20, 7350-7355	3.5	77
53	Coordinate bond- and hydrogen bond-assisted electron transfer strategy towards the generation of photochromic metal phosphites. <i>Dalton Transactions</i> , 2020 , 49, 14598-14604	4.3	14
52	A pillared-layer strategy to construct water-stable Zn-organic frameworks for iodine capture and luminescence sensing of Fe. <i>Dalton Transactions</i> , 2019 , 48, 602-608	4.3	21
51	White-Light Emission and Magnetism Behaviors Endowed by Inorganic Lanthanide Templates in Iodocuprates. <i>Crystal Growth and Design</i> , 2019 , 19, 1825-1831	3.5	13
50	Pure Inorganic Iodocuprate Framework Embedding In Situ Generated [Pb(OH)] Cubic Template. <i>Inorganic Chemistry</i> , 2019 , 58, 1746-1749	5.1	13
49	A Series of Iodoargentates Directed by Solvated Metal Cations Featuring Uptake and Photocatalytic Degradation of Organic Dye Pollutants. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 640-646	4.5	6
48	Switching the Zinc Diphosphonates from 1D Chain to 2D Layer and 3D Framework by the Modulation of a Flexible Organic Amine. <i>Crystal Growth and Design</i> , 2019 , 19, 2919-2926	3.5	13
47	A large magnetocaloric effect in two hybrid Gd-complexes: the synergy of inorganic and organic ligands towards excellent cryo-magnetic coolants. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6352-6358	7.1	19
46	Coordination-driven strategy towards crystalline hybrid photochromic materials via the marriage of a non-photochromic extended dipyrindine unit and zincophosphate. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3920-3923	7.1	37
45	An anionic Cd-based coordination polymer exhibiting ion-exchange behavior for photoluminescence and selective dye adsorption. <i>Journal of Luminescence</i> , 2019 , 210, 70-74	3.8	20
44	Photochromism and photomagnetism in crystalline hybrid materials actuated by nonphotochromic units. <i>Chemical Communications</i> , 2019 , 55, 5631-5634	5.8	128
43	Construction of the Lanthanide Diphosphonates via a Template-Synthesis Strategy: Structures, Proton Conduction, and Magnetic Behavior. <i>Crystal Growth and Design</i> , 2019 , 19, 3045-3051	3.5	9
42	Multiple Detection Characteristics of Two Zinc Phosphonates: Syntheses, Crystal Structures, and Luminescent Properties. <i>Crystal Growth and Design</i> , 2019 , 19, 5326-5333	3.5	15
41	Tunable photochromic properties of hybrid solids controlled by the conjugated length of non-photochromic units. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2435-2440	6.8	18
40	Room-Temperature Phosphorescence with Excitation-Energy Dependence and External Heavy-Atom Effect in Hybrid Zincophosphites. <i>Inorganic Chemistry</i> , 2019 , 58, 9476-9481	5.1	16

- 39 Zinc-diphosphonates with extended dipyrindine units: synthesis, structures, in situ reactions, and photochromism. *Dalton Transactions*, **2019**, 48, 3955-3961 4.3 15
- 38 Tunable Ferromagnetic Strength in Niccolite Structural Heterometallic Formate Framework Based on Orthogonal Magnetic Orbital Interactions. *Inorganic Chemistry*, **2019**, 58, 1184-1190 5.1 11
- 37 Tripyridine-Derivative-Derived Semiconducting Iodo-Argentate/Cuprate Hybrids with Excellent Visible-Light-Induced Photocatalytic Performance. *Chemistry - an Asian Journal*, **2019**, 14, 269-277 4.5 18
- 36 Two Cobalt-diphosphonates Templated by Long-Chain Flexible Amines: Synthesis, Structures, Proton Conductivity, and Magnetic Properties. *Crystal Growth and Design*, **2018**, 18, 3477-3483 3.5 15
- 35 Bipyridine-triggered modulation of structure and properties of zinc-diphosphonates: coordination role vs. template rule. *Dalton Transactions*, **2018**, 47, 1650-1656 4.3 13
- 34 Syntheses, structures and efficient visible light-driven photocatalytic properties of layered cuprous halides based on two types of building units. *Dalton Transactions*, **2018**, 47, 6965-6972 4.3 29
- 33 An organic-inorganic hybrid zinc phosphite framework with room temperature phosphorescence. *Chemical Communications*, **2018**, 54, 3712-3714 5.8 101
- 32 Two- and three-dimensional hybrid zinc phosphites: syntheses, structures and photoluminescence properties. *Dalton Transactions*, **2018**, 47, 12468-12473 4.3 15
- 31 An inorganic-organic hybrid framework from the assembly of an electron-rich diphosphonate and electron-deficient tripyridyl moiety. *Journal of Materials Chemistry C*, **2018**, 6, 9341-9344 7.1 57
- 30 An excellent cryogenic magnetic cooler: magnetic and magnetocaloric study of an inorganic frame material. *Materials Chemistry Frontiers*, **2018**, 2, 2327-2332 7.8 22
- 29 Layered Hybrid Zincophosphites for Room Temperature Phosphorescent Emission. *Inorganic Chemistry*, **2018**, 57, 14497-14500 5.1 7
- 28 Cluster-Based Anionic Template Assisted in the Formation of 3D Cobalt Cationic Framework: A Bridge Connecting MOFs and Halometallates?. *Inorganic Chemistry*, **2018**, 57, 11318-11321 5.1 18
- 27 Solvated Lanthanide Cationic Template Strategy for Constructing Iodoargentates with Photoluminescence and White Light Emission. *Crystal Growth and Design*, **2018**, 18, 7041-7047 3.5 50
- 26 Inorganic-organic hybrid zinc phosphites with fluorescence/phosphorescence dual emission performances. *Journal of Materials Chemistry C*, **2018**, 6, 10411-10414 7.1 34
- 25 Template synthesis and photochromism of a layered zinc diphosphonate. *CrystEngComm*, **2017**, 19, 11603-11614 5.4 54
- 24 A Niccolite Structural Multiferroic Metal-Organic Framework Possessing Four Different Types of Bistability in Response to Dielectric and Magnetic Modulation. *Advanced Materials*, **2017**, 29, 1606966 2.4 90
- 23 3D Inorganic Cuprous Iodide Open-Framework Templated by In Situ N-Methylated 2,4,6-Tri(4-pyridyl)-1,3,5-triazine. *Crystal Growth and Design*, **2017**, 17, 3588-3591 3.5 42
- 22 Two hybrid transition metal triphosphonates decorated with a tripodal imidazole ligand: synthesis, structures and properties. *Dalton Transactions*, **2017**, 46, 808-813 4.3 25

21	In Situ Ligand Modification Strategy for the Construction of One-, Two-, and Three-Dimensional Heterometallic Iodides. <i>Inorganic Chemistry</i> , 2017 , 56, 13785-13793	5.1	26
20	Syntheses and Crystal Structures of Three Organically Templated Gallium Phosphates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1011-1015	1.3	1
19	Low-Dimensional Lead(II) Halides with In Situ Generated Tripyridine-Derivatives as Counterions: Synthesis, Structures and Properties. <i>Journal of Cluster Science</i> , 2017 , 28, 2669-2679	3	6
18	Synthesis and structural characterization of five zinc bisphosphonate compounds. <i>Solid State Sciences</i> , 2017 , 70, 47-53	3.4	6
17	Two hybrid lanthanide complexes exhibiting a large magnetocaloric effect and slow magnetic relaxation. <i>Dalton Transactions</i> , 2017 , 46, 10023-10028	4.3	15
16	Cluster- and chain-based magnetic MOFs derived from 3d metal ions and 1,3,5-benzenetricarboxylate. <i>New Journal of Chemistry</i> , 2016 , 40, 2680-2686	3.6	11
15	Two Six-Connected MOFs with Distinct Architecture: Synthesis, Structure, Adsorption, and Magnetic Properties. <i>ChemPlusChem</i> , 2016 , 81, 775-779	2.8	6
14	LnIII ion dependent magnetism in heterometallic Cu ^{II} Ln complexes based on an azido group and 1,2,3-triazole-4,5-dicarboxylate as co-ligands. <i>RSC Advances</i> , 2015 , 5, 62319-62324	3.7	7
13	A heterometallic strategy to achieve a large magnetocaloric effect in polymeric 3d complexes. <i>Chemical Communications</i> , 2015 , 51, 8288-91	5.8	30
12	An open-framework beryllium phosphite with extra-large 18-ring channels. <i>CrystEngComm</i> , 2015 , 17, 8414-8417	3.3	20
11	A series of cobalt and nickel clusters based on thiol-containing ligands accompanied by in situ ligand formation. <i>Dalton Transactions</i> , 2015 , 44, 560-7	4.3	28
10	Hydro(solvo)thermal synthetic strategy towards azido/formate-mediated molecular magnetic materials. <i>Coordination Chemistry Reviews</i> , 2015 , 289-290, 32-48	23.2	76
9	Anion-Triggered Modulation of Structure and Magnetic Properties of Copper(I)Dysprosium(III) Complexes Derived from 1-Hydroxybenzotriazolone. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 5379-5386	2.3	10
8	A three dimensional magnetically frustrated metal-organic framework via the vertices augmentation of underlying net. <i>Chemical Communications</i> , 2015 , 51, 4627-30	5.8	25
7	Solvent induced rapid modulation of micro/nano structures of metal carboxylates coordination polymers: mechanism and morphology dependent magnetism. <i>Scientific Reports</i> , 2014 , 4, 6023	4.9	27
6	Solvent-induced structural diversities from discrete cup-shaped Co ₈ clusters to Co ₈ cluster-based chains accompanied by in situ ligand conversion. <i>CrystEngComm</i> , 2014 , 16, 753-756	3.3	31
5	Step-by-step synthesis of one Fe ₆ wheel and two Fe ₁₀ clusters derived from a multidentate triethanolamine ligand. <i>CrystEngComm</i> , 2014 , 16, 5212-5215	3.3	13
4	Tuning the magnetic behaviors in [Fe ^{III} ₁₂ Ln ^{III} ₄] clusters with aromatic carboxylate ligands. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 200-206	6.8	31

3	Magnetocaloric effect and slow magnetic relaxation in two dense (3,12)-connected lanthanide complexes. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 549-552	6.8	79
2	Large magnetocaloric effect in a dense and stable inorganic-organic hybrid cobridged by in situ generated sulfate and oxalate. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 3116-20	4.5	43
1	Synthesis and ferrimagnetic properties of an unprecedented polynuclear cobalt complex composed of [Co ₂₄] macrocycles. <i>Chemical Communications</i> , 2013 , 49, 871-3	5.8	70