

Guo-Ming Wang

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.

111
papers

2,203
citations

25
h-index

41
g-index

120
ext. papers

2,773
ext. citations

5.1
avg. IF

5.76
L-index

#	Paper	IF	Citations
111	Recent advances in crystalline hybrid photochromic materials driven by electron transfer. <i>Coordination Chemistry Reviews</i> , 2022 , 452, 214304	23.2	24
110	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
109	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
108	NaSb ₃ O ₂ (SO ₄) ₃ H ₂ O: A New Alkali-Metal Antimony(III) Sulfate with a Unique Sb ₆ O ₂₀ H ₄ Unit and Moderate Birefringence. <i>Crystal Growth and Design</i> , 2022 , 22, 478-484	3.5	0
107	Achieving large thermal hysteresis in an anthracene-based manganese(II) complex via photo-induced electron transfer.. <i>Nature Communications</i> , 2022 , 13, 2646	17.4	3
106	Highly Efficient Blue Phosphorescence from Pillar-Layer MOFs by Ligand Functionalization. <i>Advanced Materials</i> , 2021 , e2107612	24	12
105	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
104	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
103	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
102	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
101	Light enhanced proton conductivity in a terbium phosphonate photochromic chain complex. <i>Science China Chemistry</i> , 2021 , 64, 1170-1176	7.9	15
100	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
99	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
98	Two Photochromic Complexes Assembled by a Nonphotochromic Ligand: Photogenerated Radical Enhanced Room-Temperature Phosphorescence. <i>Inorganic Chemistry</i> , 2021 , 60, 108-114	5.1	14
97	Novel silver(I) cluster-based coordination polymers as efficient luminescent thermometers. <i>CrystEngComm</i> , 2021 , 23, 56-63	3.3	5
96	Sb O (SO) : A Promising Ultraviolet Nonlinear Optical Material with an Enhanced Second-Harmonic-Generation Response Activated by Sb Lone-Pair Stereoactivity. <i>Chemistry - A European Journal</i> , 2021 , 27, 5880-5884	4.8	15
95	Metalorganic complex-derived 3D porous carbon-supported g-C ₃ N ₄ /TiO ₂ as photocatalysts for the efficient degradation of antibiotic. <i>CrystEngComm</i> , 2021 , 23, 4717-4723	3.3	1

94	Optically actuating ultra-stable radicals in a large π -conjugated ligand constructed photochromic complex. <i>Science China Chemistry</i> , 2021 , 64, 432-438	7.9	40
93	Penta-nuclear [Ag ₅ I ₆] Cluster-Based Photochromic Hybrid: Synthesis, Structure, Dye Sorption, and Separation. <i>Crystal Growth and Design</i> , 2021 , 21, 1055-1061	3.5	7
92	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
91	Light actuated stable radicals of the 9-anthracene carboxylic acid for designing new photochromic complexes. <i>Chemical Communications</i> , 2021 , 57, 4295-4298	5.8	14
90	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
89	Engineering hydrophobic carbon sponge from metal-organic complexes@melamine foam composite for advanced volatile organic compounds adsorption. <i>Journal of Materials Science</i> , 2021 , 56, 9093-9105	4.3	
88	Linear and Nonlinear Optical Properties of Centrosymmetric SbOSO and Noncentrosymmetric SbO(SO)(OH) Induced by Lone Pair Stereoactivity. <i>Inorganic Chemistry</i> , 2021 , 60, 11648-11654	5.1	5
87	Template syntheses of cadmium/lead halides as luminescence thermometers. <i>Inorganic Chemistry Communication</i> , 2021 , 131, 108765	3.1	1
86	Metal-dependent photochromic performance in two isostructural supramolecular chains. <i>Dalton Transactions</i> , 2021 , 50, 546-552	4.3	12
85	Conjugated-Polypyridine-Derivative-Derived Semiconductive Iodoplumbates with Tunable Architectures and Efficient Visible-Light-Induced Photocatalytic Property. <i>Inorganic Chemistry</i> , 2021 , 60, 2105-2111	5.1	4
84	Ultraviolet nonlinear optical crystal: (NH ₄)ZnPO ₄ . <i>Inorganic Chemistry Communication</i> , 2020 , 113, 107803	3.1	2
83	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
82	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
81	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
80	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
79	Novel CoNi-metal-organic framework crystal-derived CoNi@C: synthesis and effective cascade catalysis. <i>Dalton Transactions</i> , 2020 , 49, 10567-10573	4.3	3
78	Room-Temperature Phosphorescence with Variable Lifetime of Halogen-Comprising Coordination Polymers. <i>Inorganic Chemistry</i> , 2020 , 59, 17870-17874	5.1	6
77	Optical and photocatalytic properties of conjugated-organic-templates derived semiconducting iodocuprates hybrids. <i>Optical Materials</i> , 2020 , 109, 110376	3.3	3

76	Optimizing the Proton Conductivity of Fe-Diphosphonates by Increasing the Relative Number of Protons and Carrier Densities. <i>Inorganic Chemistry</i> , 2020 , 59, 11834-11840	5.1	5
75	Triple responsive room temperature luminescence, photochromism and photomagnetism in a Dy(III)-based linear chain complex. <i>CrystEngComm</i> , 2020 , 22, 7538-7542	3.3	7
74	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
73	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
72	Pure Inorganic Iodocuprate Framework Embedding In Situ Generated [Pb(OH)] Cubic Template. <i>Inorganic Chemistry</i> , 2019 , 58, 1746-1749	5.1	13
71	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
70	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
69	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
68	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
67	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
66	A 3D Iodoplumbate Semiconducting Open Framework with Visible-light-induced Photocatalytic Performance. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2086-2090	4.5	16
65	Photochromism and photomagnetism in crystalline hybrid materials actuated by nonphotochromic units. <i>Chemical Communications</i> , 2019 , 55, 5631-5634	5.8	128
64	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
63	Two bismuth(III) halides directed by in situ generated tripyridine-derivatives: Syntheses, structures and photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2019 , 108, 107516	3.1	1
62	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
61	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
60	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
59	Zinc-diphosphonates with extended dipyrindine units: synthesis, structures, in situ reactions, and photochromism. <i>Dalton Transactions</i> , 2019 , 48, 3955-3961	4.3	15

58	Zeolitic Open-Framework Borates with Noncentrosymmetric Structures and Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 3527-3534	5.1	13
57	Three-Shell Cu@Co@Ni Nanoparticles Stabilized with a Metal-Organic Framework for Enhanced Tandem Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 940-947	9.5	40
56	Tripyridine-Derivative-Derived Semiconducting Iodo-Argentate/Cuprate Hybrids with Excellent Visible-Light-Induced Photocatalytic Performance. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 269-277	4.5	18
55	Two Cobalt-diphosphonates Templated by Long-Chain Flexible Amines: Synthesis, Structures, Proton Conductivity, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2018 , 18, 3477-3483	3.5	15
54	Dual Ligand Strategy for Constructing a Series of d10 Coordination Polymers: Syntheses, Structures, Photoluminescence, and Sensing Properties. <i>Crystal Growth and Design</i> , 2018 , 18, 1882-1890	3.5	30
53	Bipyridine-triggered modulation of structure and properties of zinc-diphosphonates: coordination role vs. template rule. <i>Dalton Transactions</i> , 2018 , 47, 1650-1656	4.3	13
52	Syntheses, structures and efficient visible light-driven photocatalytic properties of layered cuprous halides based on two types of building units. <i>Dalton Transactions</i> , 2018 , 47, 6965-6972	4.3	29
51	An organic-inorganic hybrid zinc phosphite framework with room temperature phosphorescence. <i>Chemical Communications</i> , 2018 , 54, 3712-3714	5.8	101
50	Two- and three-dimensional hybrid zinc phosphites: syntheses, structures and photoluminescence properties. <i>Dalton Transactions</i> , 2018 , 47, 12468-12473	4.3	15
49	An inorganic-organic hybrid framework from the assembly of an electron-rich diphosphonate and electron-deficient tripyridyl moiety. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9341-9344	7.1	57
48	An excellent cryogenic magnetic cooler: magnetic and magnetocaloric study of an inorganic frame material. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2327-2332	7.8	22
47	Layered Hybrid Zincophosphites for Room Temperature Phosphorescent Emission. <i>Inorganic Chemistry</i> , 2018 , 57, 14497-14500	5.1	7
46	The Iodoargentate Framework as a High-Performance Sweeper For Specific Dye Pollutant. <i>Crystal Growth and Design</i> , 2018 , 18, 6421-6425	3.5	13
45	Cluster-Based Anionic Template Assisted in the Formation of 3D Cobalt Cationic Framework: A Bridge Connecting MOFs and Halometallates?. <i>Inorganic Chemistry</i> , 2018 , 57, 11318-11321	5.1	18
44	Solvated Lanthanide Cationic Template Strategy for Constructing Iodoargentates with Photoluminescence and White Light Emission. <i>Crystal Growth and Design</i> , 2018 , 18, 7041-7047	3.5	50
43	The structures, photoluminescence and photocatalytic properties of two types of iodocuprate hybrids. <i>Inorganic Chemistry Communication</i> , 2018 , 97, 119-124	3.1	4
42	Inorganic-organic hybrid zinc phosphites with fluorescence/phosphorescence dual emission performances. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10411-10414	7.1	34
41	A 3D Cu(I)-organic framework constructed from discrete Cu ₂ L ₂ moiety and infinite [Cu] _n chain. <i>Inorganic Chemistry Communication</i> , 2018 , 92, 106-109	3.1	1

- 40 Template synthesis and photochromism of a layered zinc diphosphonate. *CrystEngComm*, **2017**, 19, 11603-1164 54
- 39 Hydrothermal Synthesis and Structural Characterization of a New Hybrid Zinc Borate, [Zn(dap)₂][B₄O₆(OH)₂]. *Journal of Cluster Science*, **2017**, 28, 1453-1462 3 7
- 38 [Zn(dap)₃][Zn(dap)B₅O₈(OH)₂]₂: A Novel Organic-Inorganic Hybrid Chain-Like Zincoborate Made of [B₅O₈(OH)₂]₃ Clusters and [Zn(dap)]₂⁺ Linkers. *Journal of Cluster Science*, **2017**, 28, 1421-1429 3 6
- 37 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
- 36 Two hybrid transition metal triphosphonates decorated with a tripodal imidazole ligand: synthesis, structures and properties. *Dalton Transactions*, **2017**, 46, 808-813 4-3 25
- 35 In Situ Ligand Modification Strategy for the Construction of One-, Two-, and Three-Dimensional Heterometallic Iodides. *Inorganic Chemistry*, **2017**, 56, 13785-13793 5-1 26
- 34 A porous copper-organic framework with intersecting channels and gas adsorption properties. *Dalton Transactions*, **2017**, 46, 13952-13956 4-3 10
- 33 Syntheses and Crystal Structures of Three Organically Templated Gallium Phosphates. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2017**, 643, 1011-1015 1-3 1
- 32 Low-Dimensional Lead(II) Halides with In Situ Generated Tripyridine-Derivatives as Counterions: Synthesis, Structures and Properties. *Journal of Cluster Science*, **2017**, 28, 2669-2679 3 6
- 31 Synthesis and structural characterization of five zinc bisphosphonate compounds. *Solid State Sciences*, **2017**, 70, 47-53 3-4 6
- 30 Two hybrid lanthanide complexes exhibiting a large magnetocaloric effect and slow magnetic relaxation. *Dalton Transactions*, **2017**, 46, 10023-10028 4-3 15
- 29 Template-directed syntheses of two 3D metal oxalates: in situ N-methylation and crystal structures. *Journal of Coordination Chemistry*, **2017**, 70, 84-92 1-6 2
- 28 Ligand-oriented assembly of a porous metal-organic framework by [Cu₄L₄] clusters and paddle-wheel [Cu₂(COO)₄(H₂O)₂] subunits. *CrystEngComm*, **2016**, 18, 8362-8365 3-3 13
- 27 Series of open-framework aluminoborates containing [B₅O₁₀] clusters. *Dalton Transactions*, **2015**, 44, 1420-6 4-3 17
- 26 An open-framework beryllium phosphite with extra-large 18-ring channels. *CrystEngComm*, **2015**, 17, 8414-8417 3-3 20
- 25 Concise template syntheses of gallium phosphates driven by in situ direct alkylation of aliphatic and aromatic precursors by methanol. *RSC Advances*, **2015**, 5, 74811-74820 3-7 9
- 24 Hydrothermal Synthesis of New Organically Templated Beryllium Phosphite and Phosphate with 3,4-connected Networks. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 688-693 1-3 3
- 23 Syntheses and Crystal Structures of Two New Pentaborates Templated by Transition-Metal Complexes. *Journal of Cluster Science*, **2014**, 25, 1295-1305 3 4

22	Synthesis, structure and properties of a new noncentrosymmetric aluminoborate. <i>Inorganic Chemistry Communication</i> , 2014 , 40, 168-171	3.1	7
21	Series of crystalline beryllium phosphates including new templates generated by in situ N-methylation transformation. <i>CrystEngComm</i> , 2014 , 16, 3296	3.3	18
20	Deoxy-liquefaction of three different species of macroalgae to high-quality liquid oil. <i>Bioresource Technology</i> , 2014 , 169, 110-118	11	17
19	Synthesis, Structural Characterization and Properties of Two Strontium Borates Constructed from Oxo Boron Clusters. <i>Journal of Cluster Science</i> , 2014 , 25, 1319-1329	3	3
18	Conversion of <i>Enteromorpha prolifera</i> to high-quality liquid oil via deoxy-liquefaction. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 104, 494-501	6	24
17	Deoxy-Liquefaction of <i>Laminaria japonica</i> to High-Quality Liquid Oil over Metal Modified ZSM-5 Catalysts. <i>Energy & Fuels</i> , 2013 , 27, 5207-5214	4.1	20
16	In situ template generation via N-alkylation in the syntheses of open-framework zinc phosphites and phosphate. <i>Dalton Transactions</i> , 2013 , 42, 13084-91	4.3	27
15	Syntheses and structures of two open-framework zinc phosphites with extra-large 24-ring channels. <i>Solid State Sciences</i> , 2012 , 14, 1030-1035	3.4	15
14	Synthesis and structure of QD-6: a novel aluminoborate constructed from unprecedented [B@Al6O24] and polyborate clusters. <i>Dalton Transactions</i> , 2012 , 41, 734-6	4.3	10
13	Bis(ethyl-enediammonium) tetra-deca-borate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o798-9		1
12	Poly[bis(mu4-benzene-1,2-dicarboxylato)di-mu3-isonicotinato-dilanthanum(III)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009 , 65, m469-71		3
11	Poly[tetra-aqua-(B)-benzene-1,2-di-carboxyl-ato-(B)-bromido-penta-(D)-bromido-octa-(B)-isonicotinato-hepta-copper(I)]n. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m550-1		
10	Synthesis and characterization of QD-3: the first organically templated aluminoborate with 11-, 12-, and 14-ring intersecting channels. <i>Inorganic Chemistry</i> , 2008 , 47, 1270-2	5.1	47
9	QD-2: a novel open-framework aluminoborate with intersecting three-dimensional helical channels. <i>Inorganic Chemistry</i> , 2008 , 47, 5039-41	5.1	53
8	Poly[di-aqua-penta-kis((4)-benzene-1,2-dicarboxyl-ato)((B)-benzene-1,2-dicarboxyl-ato)tetra-thulium(III)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m468-9		3
7	Synthesis and Characterization of [(C2H8NO)2Zn5(HPO3)6(H2O)2][(H2O)2]: a New 2D Hybrid Zinc Phosphite with Neutral Framework. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1149-1153	1.3	4
6	Synthesis and Characterization of the First 1-D Borate Templated by Transition Metal Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1192-1196	1.3	22
5	Poly[tetra-aqua-(4)-bromido-di-(D)-bromido-(D)-hydroxido-di-(B)-iso-nicotinato-tetra-(D)-isonicotinato-tetra-copper(I)]n. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m1260-1		1

4	Syntheses, Characterizations, and Crystal Structures of Two New Organically Templated Borates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 336-340	1.3	49
3	Synthesis and Crystal Structure of a Novel Potassium Borate with an Unprecedented [B ₁₂ O ₁₆ (OH) ₈] ⁴⁻ Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1586-1590	1.3	30
2	A germanate framework containing 24-ring channels, Ni-Ge bonds, and chiral [Ni@Ge ₁₄ O ₂₄ (OH) ₃] cluster motifs transferred from chiral metal complexes. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6881-4	16.4	113
1	Ultrathin metal-organic framework nanosheet arrays and derived self-supported electrodes for overall water splitting. <i>Journal of Materials Chemistry A</i> ,	13	7