Jing-Yun Wu

List of Publications by Year
in descending order

74	1,606	304368	329751
papers	citations	22 h-index	37 g-index

75	75	75	1658
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Water-Stable 2-Fold Interpenetrating cds Net as a Bifunctional Fluorescence-Responsive Sensor for Selective Detection of Cr(III) and Cr(VI) Ions. Nanomaterials, 2022, 12, 158.	1.9	5
2	Synthesis and structures of copper coordination polymers incorporating a bis-pyridyl-bis-amine ligand. Journal of Solid State Chemistry, 2022, 307, 122863.	1.4	1
3	A Thermally Stable Undulated Coordination Layer Showing a Sequentially Interweaving 2D â†' 3D Net as a Turn-On Sensor for Luminescence Detection of Al³⁺ in Water. Crystal Growth and Design, 2022, 22, 228-236.	1.4	8
4	Hetero-interpenetrating porous coordination polymers. Dalton Transactions, 2022, 51, 7025-7034.	1.6	2
5	A thiadiazole-functionalized Zn(II)-based luminescent coordination polymer with seven-fold interweaved herringbone nets showing solvent-responsive fluorescence properties and discriminative detection of ethylenediamine. Sensors and Actuators B: Chemical, 2022, 366, 131967.	4.0	16
6	Temperature-influenced M2L and M2L2 molecular metal phosphonates and diversity of ligand conformation. Inorganica Chimica Acta, 2021, 514, 119998.	1.2	5
7	Halogen bonding interactions assisted network expansion of a tetrahedral cobalt phosphonate coordination polymer bearing 4,4â€²-bipyridine ligand. Journal of Molecular Structure, 2021, 1224, 129063.	1.8	6
8	A water-stable molecular cadmium phosphonate bearing 2-(2-pyridyl)benzimidazole as a highly sensitive luminescence sensor for the selective detection of bisphenol AF and bisphenol B. CrystEngComm, 2021, 23, 2842-2853.	1.3	5
9	A highly stable Zn coordination polymer exhibiting pH-dependent fluorescence and as a visually ratiometric and onâ€“off fluorescent sensor. CrystEngComm, 2021, 23, 5226-5240.	1.3	26
10	The influence of linker substitution on the fluorescence responsive sensing of isostructural coordination polymers: visual turn-on, ratiometric, and turn-off sensing in water. CrystEngComm, 2021, 23, 2222-2234.	1.3	16
11	Luminescent Zinc(II) Coordination Polymers of Bis(pyridin-4-yl)benzothiadiazole and Aromatic Polycarboxylates for Highly Selective Detection of Fe(III) and High-Valent Oxyanions. Crystal Growth and Design, 2021, 21, 2056-2067.	1.4	18
12	Engineered Bifunctional Luminescent Pillaredâ€Layer Frameworks for Adsorption of CO 2 and Sensitive Detection of Nitrobenzene in Aqueous Media. Chemistry - A European Journal, 2021, 27, 6529-6537.	1.7	13
13	Structure and reversible crystal-to-crystal transformations of a zinc(II) coordination polymer constructed from an imide-based dicarboxylic acid. Journal of Solid State Chemistry, 2021, 298, 122129.	1.4	0
14	A three-component copper phosphonate complex as a sensor platform for sensitive Cd2+ and Zn2+ ion detection in water via fluorescence enhancement. Journal of Solid State Chemistry, 2021, 299, 122178.	1.4	6
15	Anion Effect on the Formation of Zincâ€Salicyaldimine Compounds in Neutral and Anionic Complex Forms: Synthesis, Characterization, 1 H NMR Studies, and Photophysical Properties. European Journal of Inorganic Chemistry, 2021, 2021, 3139-3147.	1.0	3
16	A luminescent Cd(II) coordination polymer as a fluorescence-responsive sensor for enhancement sensing of Al3+ and Cr3+ ions and quenching detection of chromium(VI) oxyanions. Journal of Solid State Chemistry, 2021, 304, 122564.	1.4	7
17	A Cd(II) Luminescent Coordination Grid as a Multiresponsive Fluorescence Sensor for Cr(VI) Oxyanions and Cr(III), Fe(III), and Al(III) in Aqueous Medium. Molecules, 2021, 26, 7103.	1.7	2
18	A highly stable luminescent coordination polymer for sensing of volatile iodine and its metal-ion exchange properties with Cu2+ ions. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112256.	2.0	24

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19	Polymeric layer framework and chain structure of two three-component cadmium and copper phosphonates embedded with pyrazine. Journal of Solid State Chemistry, 2020, 291, 121638.	1.4	3
20	From lamellar net to bilayered-lamella and to porous pillared-bilayer: reversible crystal-to-crystal transformation, CO2 adsorption, and fluorescence detection of Fe3+, Al3+, Cr3+, MnO4â˜', and Cr2O72â˜' in water. Dalton Transactions, 2020, 49, 14201-14215.	1.6	22
21	Solvent-Induced Controllable Supramolecular Isomerism: Phase Transformation, CO₂ Adsorption, and Fluorescence Sensing toward CrO₄^{2â€“}, Cr₂O₇^{2â€“}, MnO₄^{â€“}, and Fe³⁺. Inorganic Chemistry, 2020, 59, 9095-9107.	1.9	49
22	Thermally stable dinuclear Co(II) and Zn(II) complexes of tetra-phosphonate and 2,2â€²-bipyridine. Inorganica Chimica Acta, 2020, 510, 119750.	1.2	9
23	Anion-Dominated Copper Salicyaldimine Complexesâ€"Structures, Coordination Mode of Nitrate and Decolorization Properties toward Acid Orange 7 Dye. Polymers, 2020, 12, 1910.	2.0	4
24	Structural diversity in polymeric and discrete complexes constructed by divalent transition metals and unsymmetrical quasi semirigid pyridinecarboxylate isomers. Journal of Solid State Chemistry, 2019, 277, 701-712.	1.4	3
25	Two-fold 2D + 2D â†' 2D interweaved rhombus (4,4) grid: synthesis, structure, and dye removal properties in darkness and in daylight. Dalton Transactions, 2019, 48, 1095-1107.	1.6	6
26	Insight into the influence of framework metal ion of analogous metalâ€"organic frameworks on the adsorptive removal performances of dyes from water. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 73-84.	2.7	12
27	An Unprecedented Interpenetrating Structure Built from Two Differently Bonded Frameworks: Synthesis, Characteristics, and Efficient Removal of Anionic Dyes from Aqueous Solutions. Chemistry - A European Journal, 2019, 25, 7815-7819.	1.7	9
28	Fluorescent Cadmium Bipillaredâ€Layer Open Frameworks: Synthesis, Structures, Sensing of Nitro Compounds, and Capture of Volatile Iodine. Chemistry - A European Journal, 2019, 25, 1337-1344.	1.7	23
29	Paddlewheel SBU based Zn MOFs: Syntheses, Structural Diversity, and CO2 Adsorption Properties. Polymers, 2018, 10, 1398.	2.0	6
30	Luminescent Zn(ii) coordination polymers as efficient fluorescent sensors for highly sensitive detection of explosive nitroaromatics. CrystEngComm, 2018, 20, 6762-6774.	1.3	32
31	Synthesis, crystal structures, and dye removal properties of a series of discrete and polymeric copper, zinc, cobalt, and cadmium complexes containing bis-pyridyl-bis-amine ligands. Journal of Solid State Chemistry, 2018, 265, 227-236.	1.4	9
32	Reversible structural transformations between a chain polymer and a metallocage induced by anion templation. Inorganica Chimica Acta, 2017, 455, 241-246.	1.2	6
33	Metal-ion exchange induced structural transformation as a way of forming novel Ni(II)â˜' and Cu(II)â˜'salicylaldimine structures. Journal of Solid State Chemistry, 2017, 246, 23-28.	1.4	8
34	Anionâ€Directed Metallocages: A Study on the Tendency of Anion Templation. Chemistry - A European Journal, 2017, 23, 15957-15965.	1.7	7
35	Synthesis, characterization, and dye capture of a 3D Cd(II)â€"carboxylate pcu network. Polyhedron, 2017, 122, 124-130.	1.0	5
36	Synthesis, Structure, and Dye Adsorption Properties of a Nickel(II) Coordination Layer Built from d-Camphorate and Bispyridyl Ligands. Polymers, 2017, 9, 661.	2.0	28

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37	Anionâ€Directed Copper(II) Metallocages, Coordination Chain, and Complex Double Salt: Structures, Magnetic Properties, EPR Spectra, and Density Functional Study. Chemistry - A European Journal, 2016, 22, 7238-7247.	1.7	13
38	Direct Guest Exchange Induced Single-Crystal to Single-Crystal Transformation Accompanying Irreversible Crystal Expansion in Soft Porous Coordination Polymers. Crystal Growth and Design, 2015, 15, 4266-4271.	1.4	20
39	Amide-containing zinc(ii) metalâ€“organic layered networks: a structureâ€“CO2 capture relationship. Inorganic Chemistry Frontiers, 2015, 2, 477-484.	3.0	15
40	Reversible Single-Crystal to Single-Crystal Transformations of a Zn(II)â€“Salicyaldimine Coordination Polymer Accompanying Changes in Coordination Sphere and Network Dimensionality upon Dehydration and Rehydration. Inorganic Chemistry, 2015, 54, 10918-10924.	1.9	20
41	Correlation of Mesh Size of Metalâ€“Carboxylate Layer with Degree of Interpenetration in Pillared-Layer Frameworks. Crystal Growth and Design, 2014, 14, 5608-5616.	1.4	21
42	From 1D Helix to 0D Loop: Nitrite Anion Induced Structural Transformation Associated with Unexpected N-Nitrosation of Amine Ligand. Inorganic Chemistry, 2014, 53, 5581-5588.	1.9	31
43	Concomitant Crystallization of Genuine Supramolecular Isomeric Rhombus Grid and Ribbon. Crystal Growth and Design, 2014, 14, 4321-4328.	1.4	18
44	Positional isomerism of unsymmetrical semirigid ligands toward the construction of discrete and infinite coordination architectures of zinc(ii) and cadmium(ii) complexes. CrystEngComm, 2014, 16, 3128.	1.3	17
45	Influence of Counteranions on the Structural Modulation of Silverâ€“Di(3-pyridylmethyl)amine Coordination Polymers. Crystal Growth and Design, 2013, 13, 2953-2964.	1.4	54
46	Ligand dissociation/recoordination in fluorescent ionic zincâ€“salicylideneimine compounds: synthesis, characterization, photophysical properties, and 1H NMR studies. Dalton Transactions, 2013, 42, 15169.	1.6	16
47	Hostâ€“guest keyâ€“lock hydrogen-bonding interactions: a rare case in the design of a V-shaped polycarboxylate Ni(ii)-based chiral coordination polymer. CrystEngComm, 2013, 15, 9798.	1.3	18
48	Control of Lightâ€Promoted [2+2] Cycloaddition Reactions by a Remote Ancillary Regulatory Group That Is Covalently Attached to Rhenium Rectangles. Chemistry - A European Journal, 2012, 18, 15714-15721.	1.7	32
49	Hydrogen bond-organized two-fold interpenetrating homochiral pcu net. CrystEngComm, 2012, 14, 1189-1192.	1.3	16
50	Synthesis, characterization and structural transformation of a discrete tetragonal metalloprism. Dalton Transactions, 2012, 41, 156-164.	1.6	18
51	Presynthesized and In-Situ Generated Tetrazolate Ligand in the Design of Chiral Cadmium Coordination Polymer. Crystal Growth and Design, 2012, 12, 3825-3828.	1.4	15
52	Homochiral transition-metal camphorate coordination architectures containing â€œpiperazineâ€“pyridineâ€•ligands. CrystEngComm, 2011, 13, 2062.	1.3	26
53	Self-adaptation of a conformationally flexible yet restricted â€œpiperazine-pyrazineâ€•building block toward the design of coordination polymers. CrystEngComm, 2011, 13, 2960.	1.3	8
54	Discrete and Infinite Metallacyclic Coordination Architectures Based on a Conformationally Flexible Tripodal Aminotriazineâ€Derived Polypyridyl Ligand. European Journal of Inorganic Chemistry, 2011, 2011, 2172-2178.	1.0	9

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55	Hydro(solvo)thermal synthesis of homochiral metalâ€“camphorate coordination polymers. CrystEngComm, 2010, 12, 3909.	1.3	13
56	Crystal Engineering of Three Netâ€toâ€Net Intersecting Metalâ€“Organic Frameworks from Two Comparable Organic Linking Squares. European Journal of Inorganic Chemistry, 2010, 2010, 3750-3755.	1.0	15
57	A Rigidity-Modulated Approach toward the Construction of Metallacycles from a Flexible Tetratopic Ligand. Organometallics, 2010, 29, 283-285.	1.1	9
58	Highly Emissive Cyclometalated Rhenium Metallacycles: Structureâ”Luminescence Relationship. Inorganic Chemistry, 2010, 49, 6805-6807.	1.9	37
59	Flexible â€œpiperazineâ€“pyrazineâ€•building blocks: conformational isomerism of â€œequatorialâ€“axialâ€•sites toward the constructions of silver(i) coordination chains. CrystEngComm, 2010, 12, 3388.	1.3	11
60	Alkali Metal Cation (K⁺, Cs⁺) Induced Dissolution/Reorganization of Porous Metal Carboxylate Coordination Networks in Water. Chemistry - A European Journal, 2009, 15, 3604-3614.	1.7	39
61	Formation of Infinite Linear Mercury Metal Chains Assisted by Face-to-Face Ï€â”Ï€ (Arylâ”Aryl) Stacking Interactions. Crystal Growth and Design, 2009, 9, 258-262.	1.4	47
62	Timeâ€Evolving Selfâ€Organization and Autonomous Structural Adaptation of Cobalt(II)â€“Organic Framework Materials with scu and pts Nets. Chemistry - A European Journal, 2008, 14, 7136-7139.	1.7	39
63	Unusual face-to-face Ï€â€“Ï€ stacking interactions within an indigo-pillared M3(tpt)-based triangular metalloprism. Dalton Transactions, 2008, , 6110.	1.6	48
64	Unprecedented Reduction of 2,2â€²-Bipyrimidine in a One-Pot Synthesis of Neutral Rhenium(I)-Based Molecular Rectangles. Organometallics, 2008, 27, 2141-2144.	1.1	29
65	Ag4L2Nanocage as a Building Unit toward the Construction of Silver Metal Strings. Inorganic Chemistry, 2008, 47, 10349-10356.	1.9	17
66	Aggregate of Alkoxy-Bridged Re(I)-Rectangles as a Probe for Photoluminescence Quenching. Journal of Physical Chemistry A, 2007, 111, 10953-10960.	1.1	30
67	Self-Recognition of 3D Porous Frameworks: Fourfold Diamondoid or Threefold Cuboidal Interpenetrating Nets Formed by Varying Pillar Motifs. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 259-265.	1.9	18
68	CHÂ·Â·Â·Ï€ Interaction for Rhenium-Based Rectangles:â€‰ An Interaction That Is Rarely Designed into a Hostâ”Guest Pair. Inorganic Chemistry, 2006, 45, 8070-8077.	1.9	55
69	Self-Assembly, Reorganization, and Photophysical Properties of Silver(I)â”Schiff-Base Molecular Rectangle and Polymeric Array Species. Inorganic Chemistry, 2006, 45, 295-303.	1.9	139
70	Unusual Robust Luminescent Porous Frameworks Self-Assembled from Lanthanide Ions and 2,2â€˜-Bipyridine-4,4â€˜-dicarboxylate. Crystal Growth and Design, 2006, 6, 467-473.	1.4	95
71	Influence of Water Content on the Self-Assembly of Metalâ”Organic Frameworks Based on Pyridine-3,5-dicarboxylate. Inorganic Chemistry, 2006, 45, 2430-2437.	1.9	106
72	Development of Polynuclear Molecular Wires Containing Ruthenium(II) Terpyridine Complexes. Organometallics, 2004, 23, 3921-3930.	1.1	44

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73	New Polyoxygenated Briarane Diterpenoids, Briaexcavatolides Oâ^'R, from the GorgonianBriareum excavatum. Journal of Natural Products, 2001, 64, 1415-1420.	1.5	42
74	Molecular mechanics of gloveâ€like re(I) metallacycles: Toward lightâ€activated molecular catchers. Journal of the Chinese Chemical Society, 0, , .	0.8	2