

Yan-Qin Wang

List of Publications by Year in descending order

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57
papers

2,318
citations

172457

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48
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all docs

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docs citations

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times ranked

1839
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultrastable zinc(ⁱⁱ)-organic framework as a recyclable multi-responsive luminescent sensor for Cr(ⁱⁱⁱ), Cr(^{vi}) and 4-nitrophenol in the aqueous phase with high selectivity and sensitivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20035-20043.	10.3	215
2	Zinc(ⁱⁱ)-organic framework as a multi-responsive photoluminescence sensor for efficient and recyclable detection of pesticide 2,6-dichloro-4-nitroaniline, Fe(ⁱⁱⁱ) and Cr(^{vi}). <i>New Journal of Chemistry</i> , 2019, 43, 2353-2361.	2.8	113
3	Metamagnetism and slow magnetic dynamics in an antiferromagnet composed of cobalt(ii) chains with mixed azide-carboxylate bridges. <i>Chemical Communications</i> , 2011, 47, 1815-1817.	4.1	107
4	Solvent-modulated metamagnetism in a nickel(ii) coordination polymer with mixed azide and carboxylate bridges. <i>Chemical Communications</i> , 2009, , 4741.	4.1	96
5	Complex Long-Range Magnetic Ordering Behaviors in Anisotropic Cobalt(II)-Azide Multilayer Systems. <i>Chemistry - A European Journal</i> , 2009, 15, 1217-1226.	3.3	95
6	Isomorphous Co and MnII materials of tetrazolate-5-carboxylate with an unprecedented self-penetrating net and distinct magnetic behaviours. <i>Chemical Communications</i> , 2008, , 4894.	4.1	90
7	Synthesis, Structures, and Magnetism of Copper(II) and Manganese(II) Coordination Polymers with Azide and Pyridylbenzoates. <i>Inorganic Chemistry</i> , 2011, 50, 7284-7294.	4.0	88
8	Solvent-modulated slow magnetic relaxation in a two-dimensional compound composed of cobalt(ii) single-chain magnets. <i>Chemical Communications</i> , 2011, 47, 6386.	4.1	86
9	Magnetic Systems with Mixed Carboxylate and Azide Bridges: Slow Relaxation in Co(II) Metamagnet and Spin Frustration in Mn(II) Compound. <i>Inorganic Chemistry</i> , 2011, 50, 6314-6322.	4.0	78
10	Enhanced electrocatalytic nitrogen reduction reaction performance by interfacial engineering of MOF-based sulfides FeNi ₂ S ₄ /NiS hetero-interface. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119956.	20.2	75
11	Diverse Manganese(II) Coordination Polymers with Mixed Azide and Zwitterionic Dicarboxylate Ligands: Structure and Magnetic Properties. <i>Inorganic Chemistry</i> , 2010, 49, 1551-1560.	4.0	71
12	A gadolinium MOF acting as a multi-responsive and highly selective luminescent sensor for detecting o-, m-, and p-nitrophenol and Fe ³⁺ ions in the aqueous phase. <i>RSC Advances</i> , 2016, 6, 61725-61731.	3.6	70
13	Tricomponent Azide, Tetrazolate, and Carboxylate Cobridging Magnetic Systems: Ferromagnetic Coupling, Metamagnetism, and Single-Chain Magnetism. <i>Chemistry - A European Journal</i> , 2011, 17, 13883-13891.	3.3	65
14	Manganese(II), Iron(II), and Mixed-Metal Metal-Organic Frameworks Based on Chains with Mixed Carboxylate and Azide Bridges: Magnetic Coupling and Slow Relaxation. <i>Inorganic Chemistry</i> , 2013, 52, 4259-4268.	4.0	63
15	3D Ln ^{III} -MOFs: slow magnetic relaxation and highly sensitive luminescence detection of Fe ³⁺ and ketones. <i>Dalton Transactions</i> , 2018, 47, 8972-8982.	3.3	56
16	Manganese(ii) coordination polymers with mixed azide and pyridylbenzoate N-oxide ligands: structures and magnetism. <i>Dalton Transactions</i> , 2012, 41, 2026-2033.	3.3	51
17	Unprecedented Self-Catenated Eight-Connected Network Based on Novel Azide-Bridged Tetramanganese(II) Clusters. <i>Inorganic Chemistry</i> , 2009, 48, 789-791.	4.0	50
18	High-efficient and durable overall water splitting performance by interfacial engineering of Fe-doped urchin-like Ni ₂ P/Ni ₃ S ₂ heterostructure. <i>Chemical Engineering Journal</i> , 2021, 424, 130434.	12.7	49

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19	Magnetic Ordering in Three-Dimensional Metal-Organic Frameworks Based on Carboxylate Bridged Square-Grid Layers. <i>Inorganic Chemistry</i> , 2011, 50, 8144-8152.	4.0	46
20	Unusual composition dependence of magnetic relaxation for $\text{Co}^{II-x}\text{Ni}^{IIx}$ chain-based metal-organic frameworks. <i>Chemical Communications</i> , 2013, 49, 6995.	4.1	46
21	Interweaving polyaniline and a metal-organic framework grown in situ for enhanced supercapacitor behavior. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157181.	5.5	45
22	Coordination compounds of bis(5-tetrazolyl)amine with manganese(ii), zinc(ii) and cadmium(ii): synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2008, , 4621.	3.3	44
23	Entangled Metal-Organic Frameworks of <i>m</i> -Phenylenediacrylate Modulated by Bis(pyridyl) Ligands. <i>Crystal Growth and Design</i> , 2012, 12, 2234-2241.	3.0	41
24	A luminescent europium MOF containing Lewis basic pyridyl site for highly selective sensing of <i>o</i> -, <i>m</i> - and <i>p</i> -nitrophenol. <i>RSC Advances</i> , 2015, 5, 86614-86619.	3.6	39
25	Diverse manganese(ii) coordination polymers derived from achiral/chiral imidazolium-carboxylate zwitterions and azide: structure and magnetic properties. <i>Dalton Transactions</i> , 2013, 42, 10000.	3.3	36
26	Novel manganese(II) and cobalt(II) 3D polymers with mixed cyanate and carboxylate bridges: crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2009, , 9854.	3.3	33
27	Isomorphous Co(ii) and Ni(ii) antiferromagnets based on mixed azide- and carboxylate-bridged chains: metamagnetism and single-chain dynamics. <i>Dalton Transactions</i> , 2011, 40, 12742.	3.3	33
28	Manganese(ii)-carboxylate-pseudohalide systems derived from 1,4-bis(4-carboxylatopyridinium-1-methylene)benzene: structures and magnetism. <i>Dalton Transactions</i> , 2011, 40, 10966.	3.3	30
29	Chain Compounds Based on Tetranuclear Basic Copper(II) Carboxylate Clusters and Quadruple Zwitterionic Linkers: Structures and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1249-1254.	2.0	27
30	A metal-organic framework constructed by a viologen-derived ligand: photochromism and discernible detection of volatile amine vapors. <i>New Journal of Chemistry</i> , 2019, 43, 9032-9038.	2.8	27
31	A water stable Eu(III)-organic framework as a recyclable multi-responsive luminescent sensor for efficient detection of <i>p</i> -aminophenol in simulated urine, and Mn^{VII} and Cr^{VI} anions in aqueous solutions. <i>Dalton Transactions</i> , 2021, 50, 5236-5243.	3.3	27
32	Effects of Metal Blending in Random Bimetallic Single-Chain Magnets: Synergetic, Antagonistic, or Innocent. <i>Chemistry - A European Journal</i> , 2017, 23, 896-904.	3.3	25
33	A white-light-emitting lanthanide metal-organic framework for luminescence turn-off sensing of MnO_4^- and turn-on sensing of folic acid and construction of a $\text{turn-on plus system}$. <i>New Journal of Chemistry</i> , 2020, 44, 10239-10249.	2.8	24
34	Water-stable Cd(II)/Zn(II) coordination polymers as recyclable luminescent sensors for detecting hippuric acid in simulated urine for indexing toluene exposure with high selectivity, sensitivity and fast response. <i>Dalton Transactions</i> , 2021, 50, 553-561.	3.3	21
35	Five new 2D and 3D coordination polymers based on two new multifunctional pyridyl-tricarboxylate ligands: hydrothermal syntheses, structural diversity, luminescent and magnetic properties. <i>RSC Advances</i> , 2017, 7, 19039-19049.	3.6	20
36	Topological ferrimagnetic behaviours of coordination polymers containing manganese(II) chains with mixed azide and carboxylate bridges and alternating F/AF/AF ² /AF interactions. <i>Dalton Transactions</i> , 2014, 43, 11819.	3.3	18

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37	Cobalt(II) metamagnet built from ferromagnetic chains with mixed bis(azido)(carboxylate) bridges. <i>Inorganic Chemistry Communication</i> , 2012, 20, 46-49.	3.9	16
38	Eu(III)-organic framework as a multi-responsive photoluminescence sensor for efficient detection of 1-naphthol, Fe ³⁺ and MnO ₄ ²⁻ in water. <i>Inorganica Chimica Acta</i> , 2020, 511, 119843.	2.4	16
39	Mixed azide and carboxylate bridged trinuclear Mn(II) and Co(II) motifs in coordination ladders: structures and magnetism. <i>RSC Advances</i> , 2012, 2, 10352.	3.6	13
40	Synthesis, structure, and photoluminescence of a zinc(II) coordination polymer with 4-(tetrazol-5-yl)benzoate. <i>Structural Chemistry</i> , 2008, 19, 535-539.	2.0	12
41	Supramolecular architectures based on transition metal complexes with 1-(3-pyridyl)-2-(4-azido-pyrimidyl)ethane. <i>CrystEngComm</i> , 2008, 10, 915.	2.6	12
42	Nickel(II) and copper(II) coordination polymers with 1,2-bis(tetrazol-1-yl)ethane and thiocyanate: Structure, supramolecular isomerism and magnetism. <i>Journal of Molecular Structure</i> , 2009, 920, 459-465.	3.6	12
43	Synthesis, structure and properties of Nickel(II) and Cobalt(II) compounds with 1,5-dinitronaphthalene-3,7-dicarboxylate. <i>Journal of Molecular Structure</i> , 2009, 933, 8-14.	3.6	12
44	A neodymium coordination polymer with mixed m-phenylenediacrylate and formate bridges: Synthesis, unprecedented topology, and magnetism. <i>Inorganic Chemistry Communication</i> , 2009, 12, 426-429.	3.9	12
45	Ferromagnetic interactions through double hydrogen bonding bridges in manganese(II) coordination polymers. <i>Dalton Transactions</i> , 2013, 42, 4533.	3.3	12
46	Novel manganese(II) and cobalt(II) 2D polymers containing alternating chains with mixed azide and carboxylate bridges: crystal structure and magnetic properties. <i>RSC Advances</i> , 2016, 6, 72326-72332.	3.6	11
47	Two new coordination polymers constructed by two viologen-derived ligands: Structure and photochromism. <i>Journal of Molecular Structure</i> , 2020, 1221, 128782.	3.6	11
48	Two new carboxylate-oxo bridged trinuclear M(II) (MMn and Co) compounds with zwitterionic dicarboxylate ligands: crystal structures and magnetism. <i>Inorganic Chemistry Communication</i> , 2015, 58, 67-70.	3.9	10
49	A new cobalt coordination polymer based on Co(II)-azide chains and a tetrapyridyl ligand: Synthesis, unprecedented topology and magnetism. <i>Inorganic Chemistry Communication</i> , 2014, 45, 101-104.	3.9	9
50	Novel three-dimensional framework based on Co(II)-azide chains and a tetrapyridyl ligand. <i>Inorganic Chemistry Communication</i> , 2012, 15, 8-11.	3.9	7
51	Multicomponent TiO ₂ /Ag/Cu ₇ S ₄ @Se Heterostructures Constructed by an Interface Engineering Strategy for Promoting the Electrocatalytic Nitrogen Reduction Reaction Performance. <i>Inorganic Chemistry</i> , 2022, 61, 7165-7172.	4.0	7
52	A new cobalt coordination framework based on trinuclear Co(II)-tetrazolate bridges and a terpyridine tetrazolate ligand: Synthesis and magnetism. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107465.	3.9	5
53	Two novel tetranuclear zinc(II) clusters with different topological structures: Crystal structures and luminescence properties. <i>Inorganic Chemistry Communication</i> , 2014, 40, 190-193.	3.9	4
54	Mixed metal Co(II) _{1-x} Zn(II) _x -organic frameworks based on chains with mixed carboxylate and azide bridges: magnetic coupling and slow relaxation. <i>RSC Advances</i> , 2018, 8, 22046-22052.	3.6	3

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55	An unusual homospin Co ^{II} ferrimagnetic single-chain magnet with large hysteresis. <i>CrystEngComm</i> , 2019, 21, 6958-6963.	2.6	3
56	Tetraaquadiazidocobalt(II) 4,4'-dicarboxylato-1,1'-ethylenedipyridinium dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1682-m1682.	0.2	1
57	cis-Triaqua[1,1'-(propane-1,3-diyl)bis(pyridin-1-ium-4-carboxylato)- λ^5 O]bis(thiocyanato- λ^5 N)manganese(II) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m42-m42.	0.2	0