

# Xin-Yi Wang

## List of Publications by Year in descending order

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74  
papers

4,120  
citations

147801

31  
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114465

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75  
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75  
docs citations

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times ranked

3220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the effect of oligo(ethylene glycol) side chains on $\text{Ln}^{\text{III}}$ doping process in $\text{BDPPV}$ -based polymers. <i>Journal of Polymer Science</i> , 2022, 60, 538-547.	3.8	16
2	Modulating the Structures and Magnetic Properties of Dy(III) Single-Molecule Magnets through Acid-Base Regulation. <i>Inorganic Chemistry</i> , 2022, 61, 2272-2283.	4.0	13
3	Zero-field Slow Magnetic Relaxation Behavior of $\text{Dy}^{2+}$ in a Series of Dinuclear $\{\text{Ln}^{2+}\}_2$ ( $\text{Ln}=\text{Dy, Tb, Gd}$ and $\text{Er}$ ) Complexes: A Combined Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	9
4	Regulation of High Miscibility for Efficient Charge Transport in $\text{Ln}^{\text{III}}$ -Doped Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
5	Controlling Solution-State Aggregation and Solid-State Microstructures of Conjugated Polymers by Tuning Backbone Conformation. <i>Macromolecular Rapid Communications</i> , 2022, , 2200069.	3.9	5
6	Macrocycle supported dinuclear lanthanide complexes with different $\text{O}^2$ -diketonate co-ligands displaying zero field single-molecule magnetic behaviour. <i>New Journal of Chemistry</i> , 2022, 46, 11722-11733.	2.8	6
7	Systematically investigating the effect of the aggregation behaviors in solution on the charge transport properties of $\text{BDOPV}$ -based polymers with conjugation-break spacers. <i>Polymer Chemistry</i> , 2021, 12, 370-378.	3.9	10
8	Tuneable structures and magnetic properties of pseudohalo-bridged dinuclear $\text{Ni}^{\text{II}}$ complexes derived from $\{\text{N}^{4-}\}$ and $\{\text{N}^{3-}\text{O}\}$ donor ligands. <i>CrystEngComm</i> , 2021, 23, 3371-3382.	2.6	2
9	Syntheses, structures and magnetic properties of a series of lanthanide complexes with reduced nitronyl nitroxide radical ligands. <i>Inorganica Chimica Acta</i> , 2021, 520, 120308.	2.4	2
10	Controllable Transformation between the Kinetically and Thermodynamically Stable Aggregates in a Solution of Conjugated Polymers. <i>Macromolecules</i> , 2021, 54, 5815-5824.	4.8	12
11	Correlating Charge Transport Properties of Conjugated Polymers in Solution Aggregates and Thin-Film Aggregates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20483-20488.	13.8	40
12	Correlating Charge Transport Properties of Conjugated Polymers in Solution Aggregates and Thin-Film Aggregates. <i>Angewandte Chemie</i> , 2021, 133, 20646-20651.	2.0	5
13	Macrocycle supported dimetallic lanthanide complexes with slow magnetic relaxation in $\text{Dy}^{2+}$ analogues. <i>Dalton Transactions</i> , 2020, 49, 14169-14179.	3.3	20
14	Imaging the Thermal Hysteresis of Single Spin-Crossover Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 15852-15859.	13.7	23
15	Precise tracking and modulating aggregation structures of conjugated copolymers in solutions. <i>Polymer Chemistry</i> , 2020, 11, 3716-3722.	3.9	24
16	Enhanced Single-Chain Magnet Behavior via Anisotropic Exchange in a Cyano-Bridged $\text{Mo}^{\text{III}}-\text{Mn}^{\text{II}}$ Chain. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10379-10384.	13.8	35
17	Development of Single-Molecule Magnets. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1005-1018.	4.9	77
18	Reversible On-Off Switching of the Hysteretic Spin Crossover in a Cobalt(II) Complex via Crystal to Crystal Transformation. <i>Inorganic Chemistry</i> , 2019, 58, 11589-11598.	4.0	50

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19	Transition-metal-bridged bimetallic clusters with multiple uranium–metal bonds. <i>Nature Chemistry</i> , 2019, 11, 248-253.	13.6	66
20	A family of lanthanide complexes with a bis-tridentate nitronyl nitroxide radical: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2019, 48, 10337-10345.	3.3	8
21	Two three-dimensional [MoIII(CN)7]4 <sup>-</sup> -based magnets showing new topologies and ferrimagnetic ordering below 80 K. <i>Dalton Transactions</i> , 2019, 48, 8843-8852.	3.3	2
22	Spin crossover in hydrogen-bonded frameworks of Fe <sup>II</sup> complexes with organodisulfonate anions. <i>Dalton Transactions</i> , 2019, 48, 8815-8825.	3.3	17
23	Syntheses, structures, and magnetic properties of three two-dimensional cobalt(II) single-ion magnets with a Co <sup>II</sup> N <sub>4</sub> X <sub>2</sub> octahedral geometry. <i>CrystEngComm</i> , 2019, 21, 3176-3185.	2.6	20
24	Syntheses and magnetic properties of a bis-tridentate nitronyl nitroxide radical and its metal complexes. <i>Dalton Transactions</i> , 2019, 48, 4774-4778.	3.3	7
25	Inside Cover: A Three-Dimensional Mn II [Mo III (CN) 7 ] 4 <sup>-</sup> Ferrimagnet Containing Formate as a Second Bridging Ligand ( <i>Chin. J. Chem.</i> 1/2019). <i>Chinese Journal of Chemistry</i> , 2019, 37, 2-2.	4.9	0
26	A Three-Dimensional Mn II [Mo III (CN) 7 ] 4 <sup>-</sup> Ferrimagnet Containing Formate as a Second Bridging Ligand. <i>Chinese Journal of Chemistry</i> , 2019, 37, 19-24.	4.9	8
27	Syntheses, structures, and magnetic properties of three new Mn <sup>II</sup> [Mo <sup>III</sup> (CN) <sub>7</sub> ] <sup>4-</sup> molecular magnets. <i>Dalton Transactions</i> , 2018, 47, 11873-11881.	3.3	7
28	Heterometallic M <sup>II</sup> Ln <sup>III</sup> (M = Co/Zn; Ln = Dy/Y) Complexes with Pentagonal Bipyramidal 3d Centers: Syntheses, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018, 57, 15526-15536.	4.0	28
29	A family of lanthanide compounds with reduced nitronyl nitroxide diradical: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2018, 47, 7925-7933.	3.3	20
30	Single-molecule magnet behaviour in a dysprosium-triradical complex. <i>Chemical Communications</i> , 2018, 54, 9726-9729.	4.1	48
31	Two Interpenetrated Cobalt(II) Metal–Organic Frameworks with Guest-Dependent Structures and Field-Induced Single-Ion Magnet Behaviors. <i>Crystal Growth and Design</i> , 2018, 18, 5270-5278.	3.0	32
32	Reversible on/off switching of both spin crossover and single-molecule magnet behaviours <i>via</i> a crystal-to-crystal transformation. <i>Chemical Science</i> , 2018, 9, 7986-7991.	7.4	88
33	High-coordinate Co <sup>II</sup> and Fe <sup>II</sup> compounds constructed from an asymmetric tetradentate ligand show slow magnetic relaxation behavior. <i>Dalton Transactions</i> , 2018, 47, 8940-8948.	3.3	18
34	Syntheses, structures, and magnetic properties of a family of end-on azido-bridged Cu <sup>II</sup> Ln <sup>III</sup> complexes. <i>Dalton Transactions</i> , 2017, 46, 7232-7241.	3.3	23
35	Three-Dimensional Fe <sup>II</sup> [Mo <sup>III</sup> (CN) <sub>7</sub> ] <sup>4-</sup> Magnets with Ordering below 65 K and Distinct Topologies Induced by Cation Identity. <i>Inorganic Chemistry</i> , 2017, 56, 7182-7189.	4.0	10
36	Two-dimensional frameworks formed by pentagonal bipyramidal cobalt(II) ions and hexacyanometallates: antiferromagnetic ordering, metamagnetism and slow magnetic relaxation. <i>Dalton Transactions</i> , 2017, 46, 9088-9096.	3.3	46

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37	A cyano-bridged coordination nanotube showing field-induced slow magnetic relaxation. <i>CrystEngComm</i> , 2017, 19, 5707-5711.	2.6	29
38	Slow Magnetic Relaxation and Spin Crossover Behavior in a Bicomponent Ion Pair Cobalt(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3862-3867.	2.0	18
39	Syntheses, structures and magnetic properties of the lanthanide complexes of the pyrimidyl-substituted nitronyl nitroxide radical. <i>Dalton Transactions</i> , 2017, 46, 10452-10461.	3.3	28
40	Reversible On/Off Switching of a Single-Molecule Magnet via a Crystal-to-Crystal Chemical Transformation. <i>Journal of the American Chemical Society</i> , 2017, 139, 11714-11717.	13.7	97
41	Slow Magnetic Relaxation in One-Dimensional Azido-Bridged Co <sup>II</sup> Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 8058-8067.	4.0	28
42	Field-Induced Single-Ion Magnet Behaviour in Two New Cobalt(II) Coordination Polymers with 2,4,6-Tris(4-pyridyl)-1,3,5-triazine. <i>Inorganics</i> , 2017, 5, 90.	2.7	23
43	Single-ion magnetism in seven-coordinate Yb <sup>III</sup> complexes with distorted D <sub>5h</sub> coordination geometry. <i>Dalton Transactions</i> , 2017, 46, 12884-12892.	3.3	23
44	Single-Chain Magnets Based on Octacyanotungstate with the Highest Energy Barriers for Cyanide Compounds. <i>Scientific Reports</i> , 2016, 6, 24372.	3.3	52
45	A One-Dimensional Magnet Based on [M <sup>III</sup> (CN) <sub>7</sub> ] <sup>4-</sup> . <i>Inorganic Chemistry</i> , 2016, 55, 5107-5109.	4.0	29
46	Probing the Effect of Axial Ligands on Easy-Plane Anisotropy of Pentagonal-Bipyramidal Cobalt(II) Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2016, 55, 10859-10869.	4.0	103
47	Syntheses and magnetic properties of a pyrimidyl-substituted nitronyl nitroxide radical and its cobalt complexes. <i>Chemical Communications</i> , 2016, 52, 5033-5036.	4.1	42
48	Syntheses, structures, and magnetic properties of three new chain compounds based on a pentagonal bipyramidal Co building block. <i>CrystEngComm</i> , 2016, 18, 4150-4157.	2.6	47
49	Syntheses, structures, and magnetic properties of three new cyano-bridged complexes based on the [Mn(CN) <sub>6</sub> ] <sup>3-</sup> building block. <i>Dalton Transactions</i> , 2015, 44, 15189-15197.	3.3	12
50	Spin canting, metamagnetism, and single-chain magnetic behaviour in a cyano-bridged homospin iron compound. <i>Chemical Communications</i> , 2015, 51, 4360-4363.	4.1	66
51	Spin Crossover in [Fe(2-Picolylamine) <sub>3</sub> ] <sup>2+</sup> Adjusted by Organosulfonate Anions. <i>Inorganic Chemistry</i> , 2015, 54, 7857-7867.	4.0	41
52	Structural and magnetic tuning from a field-induced single-ion magnet to a single-chain magnet by anions. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 846-853.	6.0	31
53	Spin crossover behaviour in one-dimensional Fe <sup>II</sup> compounds based on the [M(CN) <sub>4</sub> ] <sup>2-</sup> (M = Pd, Pt) units. <i>Dalton Transactions</i> , 2015, 44, 9682-9690.	3.3	15
54	Determination of magnetic anisotropy in a multinuclear Tb <sup>III</sup> -based single-molecule magnet. <i>Chemical Communications</i> , 2015, 51, 10373-10376.	4.1	28

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55	Single molecule magnet behavior observed in a 1-D dysprosium chain with quasi-D <sub>5h</sub> symmetry. Dalton Transactions, 2015, 44, 20834-20838.	3.3	55
56	Field-Induced Slow Magnetic Relaxation in Cobalt(II) Compounds with Pentagonal Bipyramid Geometry. Inorganic Chemistry, 2014, 53, 12671-12673.	4.0	151
57	Record Antiferromagnetic Coupling for a 3d/4d Cyanide-Bridged Compound. Journal of the American Chemical Society, 2014, 136, 9922-9924.	13.7	37
58	A Single-Molecule Magnet Based on Heptacyanomolybdate with the Highest Energy Barrier for a Cyanide Compound. Journal of the American Chemical Society, 2013, 135, 13302-13305.	13.7	136
59	End-On Azido-Bridged 3d-4f Complexes Showing Single-Molecule-Magnet Property. Inorganic Chemistry, 2013, 52, 7314-7316.	4.0	39
60	Detailed magnetic study on the formate-bridged MOFs with anion-tunable magnetic properties. Science China Chemistry, 2012, 55, 1055-1063.	8.2	9
61	Molecular magnetic materials based on 4d and 5d transition metals. Chemical Society Reviews, 2011, 40, 3213.	38.1	371
62	A Docosanuclear {Mo <sub>8</sub> Mn <sub>14</sub> } Cluster Based on [Mo(CN) <sub>7</sub> ] <sup>4-</sup> . Angewandte Chemie - International Edition, 2010, 49, 5081-5084.	13.8	72
63	Trigonal bipyramidal magnetic molecules based on [MolI(CN) <sub>6</sub> ] <sup>3-</sup> . Chemical Communications, 2010, 46, 4484.	4.1	17
64	Constructing magnetic molecular solids by employing three-atom ligands as bridges. Chemical Communications, 2008, , 281-294.	4.1	486
65	Detailed Magnetic Studies on Co(N <sub>3</sub> ) <sub>2</sub> (4-acetylpyridine) <sub>2</sub> : a Weak-Ferromagnet with a Very Big Canting Angle. Inorganic Chemistry, 2008, 47, 5720-5726.	4.0	86
66	A pillared layer MOF with anion-tunable magnetic properties and photochemical [2 + 2] cycloaddition. Chemical Communications, 2007, , 1127.	4.1	133
67	Solvent-Tuned Azido-Bridged Co <sup>2+</sup> Layers: Square, Honeycomb, and Kagome. Journal of the American Chemical Society, 2006, 128, 674-675.	13.7	280
68	Extended Networks of Co <sup>2+</sup> and Mn <sup>2+</sup> Bridged by NCS <sup>-</sup> /N <sub>3</sub> <sup>-</sup> Anions and Flexible Long Spacers: Syntheses, Structures, and Magnetic Properties. European Journal of Inorganic Chemistry, 2005, 2005, 3277-3286.	2.0	125
69	Synthesis and crystal structure of a phthalate-bridged copper(II) complex {[Cu(L)(Phen)(H <sub>2</sub> O)] <sub>n</sub> ·nH <sub>2</sub> O}. Journal of Chemical Crystallography, 2005, 35, 381-384.	1.1	11
70	Formate: The Analogue of Azide: Structural and Magnetic Properties of M(HCOO) <sub>2</sub> (4,4'-bpy) <sub>n</sub> ·nH <sub>2</sub> O (M = Ti, Eu, Gd, Tb, Dy, Ho, Er, Yb, Lu). Dalton Transactions, 2004, 2004, 4615-4625.	4.0	160
71	Perovskite-like Metal Formates with Weak Ferromagnetism and as Precursors to Amorphous Materials. Inorganic Chemistry, 2004, 43, 4615-4625.	4.0	332
72	[Cu(tn)] <sub>3</sub> [W(CN) <sub>8</sub> ] <sub>2</sub> ·3H <sub>2</sub> O and [Cu(pn)] <sub>3</sub> [W(CN) <sub>8</sub> ] <sub>2</sub> ·3H <sub>2</sub> O: Two Novel Cu(II)-W(V) Cyano-Bridged Two-Dimensional Coordination Polymers with Metamagnetism. Chemistry of Materials, 2003, 15, 2094-2098.	6.7	55

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73	Synthesis, crystal structure and magnetic properties of a CuII/WVI bimetallic complex with a novel open framework structure. Dalton Transactions, 2003, , 3283-3287.	3.3	31
74	Regulation of High Miscibility for Efficient Charge Transport in n-Doped Conjugated Polymers. Angewandte Chemie, 0, , .	2.0	3