

# Zi-Yi Du

## List of Publications by Year in descending order

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82  
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#	ARTICLE	IF	CITATIONS
19	Hydrogen-bond-directed assemblies of [La(18-crown-6)(H <sub>2</sub> O) <sub>4</sub> ](BiCl <sub>6</sub> )·3H <sub>2</sub> O and [Nd(18-crown-6)(H <sub>2</sub> O) <sub>4</sub> ](ClO <sub>4</sub> )·10H <sub>2</sub> O. CrystEngComm, 2016, 16, 227-233.	3.6	7
20	Structural phase transitions in perovskite compounds based on diatomic or multiatomic bridges. CrystEngComm, 2016, 18, 7915-7928.	2.6	144
21	Importing spontaneous polarization into a Heisenberg ferromagnet for a potential single-phase multiferroic. Journal of Materials Chemistry C, 2016, 4, 8704-8710.	5.5	45
22	Syntheses, Crystal Structures and Luminescent Properties of Two Cadmium(II) Carboxylate-Phosphinates with Various Dimeric Ring Motifs. Journal of Chemical Crystallography, 2016, 46, 237-244.	1.1	1
23	Plastic Crystals with Polar Halochromate Anion: Thermosensitive Dielectrics Based upon Plastic Transition and Dipole Rotation. Inorganic Chemistry, 2016, 55, 11418-11425.	4.0	35
24	A two-fold interpenetrating porous metal-organic framework with a large solvent-accessible volume and selective sensing of nitroaromatic explosives. Journal of Coordination Chemistry, 2016, 69, 996-1004.	2.2	4
25	3D chiral and 2D achiral cobalt(II) compounds constructed from a 4-(benzimidazole-1-yl)benzoic ligand exhibiting field-induced single-ion-magnet-type slow magnetic relaxation. Dalton Transactions, 2016, 45, 7768-7775.	3.3	40
26	A Two-Fold Interpenetrating Porous Metal-Organic Framework with a Large Solvent-Accessible Volume: Gas Sorption and Luminescent Properties. Crystal Growth and Design, 2015, 15, 3119-3122.	3.0	15
27	Deformation of the four-membered supramolecular ring in a series of dialkylammonium hydrogen 2,2'-biphenyldicarboxylates. Journal of Molecular Structure, 2015, 1099, 33-37.	3.6	2
28	Thermal-induced reversible ferroelastic phase transition in a new bromethyl-substituted molecular rotor. Science China Chemistry, 2015, 58, 1137-1143.	8.2	15
29	Coexistence of a pair of enantiomeric forms of chiral quartz nets with an interpenetrating mode in a centrosymmetric coordination polymer. CrystEngComm, 2015, 17, 7628-7631.	2.6	4
30	Insight into the molecular dynamics of guest cations confined in deformable azido coordination frameworks. Chemical Communications, 2015, 51, 15641-15644.	4.1	56
31	Switchable Guest Molecular Dynamics in a Perovskite-Like Coordination Polymer toward Sensitive Thermoresponsive Dielectric Materials. Angewandte Chemie - International Edition, 2015, 54, 914-918.	13.8	186
32	Water-stable metal-organic frameworks with intrinsic peroxidase-like catalytic activity as a colorimetric biosensing platform. Chemical Communications, 2014, 50, 1092-1094.	4.1	339
33	Above-room-temperature ferroelastic phase transition in a perovskite-like compound [N(CH <sub>3</sub> ) <sub>4</sub> ][Cd(N <sub>3</sub> ) <sub>3</sub> ]. Chemical Communications, 2014, 50, 1989.	4.1	90
34	Restraining the motion of a ligand for modulating the structural phase transition in two isomorphous polar coordination polymers. Dalton Transactions, 2014, 43, 9008-9011.	3.3	12
35	Notable lattice deformation in a solid copper(II) dicyanamide complex induced by temperature-dependent supramolecular conformation. Inorganic Chemistry Communication, 2014, 49, 79-81.	3.9	4
36	Metal-organic frameworks with improved moisture stability based on a phosphonate monoester: effect of auxiliary N-donor ligands on framework dimensionality. CrystEngComm, 2014, 16, 6635-6644.	2.6	37

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37	An amine-functionalized metal-organic framework as a sensing platform for DNA detection. <i>Chemical Communications</i> , 2014, 50, 12069-12072.	4.1	178
38	Structural Transition in the Perovskite-like Bimetallic Azido Coordination Polymers: $(\text{NMe}_4)_2[\text{Ba}^{2+}\text{A}(\text{N}_3)_6]$ ( $\text{Ba}^{2+} = \text{Cr}^{3+}, \text{Fe}^{3+}$ ; $\text{A}^{3+} = \text{Na}^+, \text{K}^+$ ). <i>Crystal Growth and Design</i> , 2014, 14, 3903-3909.	3.0	46
39	Two Novel Cationic Frameworks Based on Cadmium(II) Vinylphosphonate with 4,4'-Bipyridine as Coligand. <i>Journal of Chemical Crystallography</i> , 2014, 44, 480-486.	1.1	3
40	Isolation of a series of uranium organophosphinates. <i>CrystEngComm</i> , 2014, 16, 8073-8080.	2.6	9
41	A microporous manganese-based metal-organic framework for gas sorption and separation. <i>Journal of Molecular Structure</i> , 2014, 1074, 19-21.	3.6	13
42	Tetrahedrally coordinated lithium(I) and zinc(II) carboxylate-phosphinates based on tetradentate 2-carboxyethyl(phenyl)phosphinate ligand. <i>Inorganica Chimica Acta</i> , 2014, 414, 121-126.	2.4	8
43	Isomerism of a series of octahedrally coordinated transition metal carboxylate-phosphinates with 1,10-phenanthroline as a coligand: Discrete dimers or double-chains constructed by various dimeric ring motifs. <i>Polyhedron</i> , 2013, 51, 18-26.	2.2	13
44	Two intricate hydrogen-bonded networks formed by m-sulfophenylphosphonic acid, melamine, and water molecules. <i>Journal of Molecular Structure</i> , 2013, 1035, 183-189.	3.6	11
45	Two ligand-length-tunable interpenetrating coordination networks with stable $\text{Zn}_2$ unit as three-connected uninode and supramolecular topologies. <i>CrystEngComm</i> , 2013, 15, 4473.	2.6	14
46	Special hydrogen bonds observed in two monovalent metal carboxylate-phosphinates: $\{\text{NaH}(\text{PhPO}_2\text{C}_2\text{H}_4\text{COOH})_2\}^{\cdot}$ and $\{\text{KH}(\text{PhPO}_2\text{C}_2\text{H}_4\text{COOH})_2\cdot\text{H}_2\text{O}\}^{\cdot}$ . <i>Journal of Molecular Structure</i> , 2013, 1033, 253-257.	3.6	8
47	Tube- or cage-containing layered cadmium(II) and zinc(II) phosphonates decorated by sulfone groups. <i>Journal of Coordination Chemistry</i> , 2012, 65, 813-822.	2.2	2
48	Melaminium (2-carboxyethyl)(phenyl)phosphinate monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o355-o358.	0.4	5
49	Temperature-Dependent Crystal Self-Assembly, Disassembly, and Reassembly Among Three Cadmium(II) Carboxylate-Phosphinates. <i>Crystal Growth and Design</i> , 2012, 12, 2052-2058.	3.0	39
50	Pd-Catalyzed Oxidative Homocoupling of Arylboronic Acids in Aqueous Ethanol at Room Temperature. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 940-943.	0.6	11
51	Solvent-Dependent Assemblies of Trinuclear Copper Cluster into Variable Frameworks Based on Mixed Ligands of Polyalcohol Amines and Organic Carboxylates. <i>Crystal Growth and Design</i> , 2012, 12, 3619-3630.	3.0	32
52	Four novel alkaline-earth metal coordination polymers with networks controlled by the diverse coordination modes of amino-sulfonate ligand: Synthesis, crystal structures and luminescent properties. <i>Inorganica Chimica Acta</i> , 2012, 384, 117-124.	2.4	11
53	Coexistence of two conformational isomeric chains in a zinc(II) phosphonate induced by $\pi\text{-}\pi$ stacking interactions. <i>Structural Chemistry</i> , 2012, 23, 91-96.	2.0	5
54	Mixed-donor N,N,O-tridentate ligands for palladium-catalyzed Suzuki reactions. <i>Transition Metal Chemistry</i> , 2012, 37, 149-153.	1.4	4

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55	Highly regioselective Heck-Mizoroki reaction catalyzed by Pd/phosphine ligand in DMSO/[bmim][BF <sub>4</sub> ] under microwave irradiation. <i>Arkivoc</i> , 2012, 2012, 164-172.	0.5	8
56	Novel second-harmonic-generation-active lead(II) phosphinate based on 2-carboxyethyl(phenyl)phosphinate ligand. <i>Dalton Transactions</i> , 2011, 40, 9295.	3.3	20
57	Two new layer structures of zinc(II) or strontium(II) diphosphonates based on N,N-dimethylaminomethane-1,1-diphosphonate ligand. <i>Journal of Molecular Structure</i> , 2011, 994, 209-215.	3.6	4
58	Two polymorphs of (2-carboxyethyl)(phenyl)phosphinic acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, o195-o197.	0.4	8
59	Suzuki cross-coupling reactions of aryl chlorides using [Cl <sub>2</sub> Pd(COD)]/piperazine derivative under microwave conditions. <i>Applied Organometallic Chemistry</i> , 2011, 25, 616-619.	3.5	13
60	Poly[bis(1/4-(dimethylazaniumyl)methylenediphosphonato)magnesium]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m362-m363.	0.2	2
61	Pseudopolymorphism deriving from variable $\pi$ - $\pi$ stacking modes: Discrete tetranuclear cadmium(II) phosphonate clusters with 1,10-phenanthroline as auxiliary ligand. <i>Journal of Molecular Structure</i> , 2010, 979, 200-204.	3.6	8
62	Orientation of Second-Harmonic-Generation-Active Phenylsulfonyl Chromophores Attached on Layered Lead(II) Phosphonates. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4865-4869.	2.0	15
63	1D and 3D arrays of isomeric cadmium(II) diphosphonates constructed from N,N-dimethylaminomethane-1,1-diphosphonate ligand. <i>Inorganic Chemistry Communication</i> , 2010, 13, 77-80.	3.9	5
64	Tris(1,10-phenanthroline-1/2N,N <sup>+</sup> )cadmium(II) bis(perchlorate) 3.5-hydrate: a water chain stabilized by perchlorate anions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, m104-m106.	0.4	1
65	Crystal Structures and Magnetic or Photoluminescent Properties of Copper(II) and Zinc(II)-5-Sulfoisophthalate Coordination Polymers. <i>Australian Journal of Chemistry</i> , 2010, 63, 1565.	0.9	6
66	Layered Iron(III) and Cobalt(II) Phosphonates Decorated by Hydrophilic Sulfone Groups: Syntheses, Structures and Magnetic Properties. <i>Crystal Growth and Design</i> , 2010, 10, 3721-3726.	3.0	11
67	Novel double-chained or double-layered metal diphosphonates: synergic coordination effect of two closely linked phosphonate moieties promoted by large metal ionic radius. <i>CrystEngComm</i> , 2010, 12, 1774.	2.6	10
68	Novel open-framework architecture in strontium(II) phosphonate. <i>Inorganica Chimica Acta</i> , 2009, 362, 351-354.	2.4	11
69	Two new 1D structures of copper(II) or yttrium(III) phosphonatobenzenesulfonates using 1,10-phenanthroline as auxiliary ligand. <i>Journal of Molecular Structure</i> , 2009, 919, 112-116.	3.6	11
70	Octanuclear Aluminum(III) and Iron(III) Phosphonate Cages Encapsulating Two Na <sup>+</sup> Ions. <i>Inorganic Chemistry</i> , 2009, 48, 7015-7017.	4.0	17
71	Dibromidobis(1,10-phenanthroline-1/2N,N <sup>+</sup> )cadmium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m708-m708.	0.2	4
72	Hydrogen-bonded layers directed by the [3-O <sub>3</sub> S <sup>-</sup> C <sub>6</sub> H <sub>4</sub> -PO <sub>3</sub> H] <sub>2</sub> <sup>-</sup> dianion: catena-poly[[silver(I)-1/4-4,4'-bipyridine-1/2N,N <sup>+</sup> ] 3-[hydroxy(oxido)phosphinoyl]benzenesulfonate trihydrate] and catena-poly[[tetraaquacobalt(II)]-1/4-4,4'-bipyridine-1/2N,N <sup>+</sup> ] 3-[hydroxy(oxido)phosphinoyl]benzenesulfonate]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, m353-m357.	0.4	2

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73	Syntheses, structures, and magnetic properties of heterobimetallic complexes based on tetracyanometallic building blocks. <i>Inorganica Chimica Acta</i> , 2008, 361, 2901-2908.	2.4	12
74	Novel 2D or 3D alkaline-earth metal sulfonate-phosphonates based on $[O_3S-C_2H_4-PO_3H]_2$ ligand. <i>Journal of Molecular Structure</i> , 2008, 891, 272-277.	3.6	10
75	Novel Manganese(II) Sulfonate-Phosphonates with Dinuclear, Tetranuclear, and Hexanuclear Clusters. <i>Inorganic Chemistry</i> , 2007, 46, 9884-9894.	4.0	67
76	Novel Cadmium(II) Phosphonatophenylsulfonate Cluster Compounds: Syntheses, Structures, and Luminescent Properties. <i>Crystal Growth and Design</i> , 2007, 7, 1501-1507.	3.0	65
77	A New Approach to Novel Cluster Compounds of Lead(II) Phosphonates. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4520-4529.	2.0	32
78	Poly[aqua( $\frac{1}{2}$ -4,4'-bipyridyl) $\frac{1}{2}$ N: $\frac{1}{2}$ (1,4,2-3-phosphonatobenzenesulfonato) $\frac{1}{2}$ O: $\frac{1}{2}$ copper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2766-m2767.	0.2	2
79	Rational Design of 0D, 1D, and 3D Open Frameworks Based on Tetranuclear Lanthanide(III) Sulfonate-Phosphonate Clusters. <i>Inorganic Chemistry</i> , 2006, 45, 9780-9788.	4.0	141
80	Three Novel Zinc(II) Sulfonate-Phosphonates with Tetranuclear or Hexanuclear Cluster Units. <i>Inorganic Chemistry</i> , 2006, 45, 6424-6430.	4.0	107
81	Two new lead(II) diphosphonates with second ligands as an intercalated species or a multidentate metal linker. <i>Journal of Molecular Structure</i> , 2006, 788, 218-223.	3.6	28
82	Four-step thermosensitive dielectric response arising from motionable low-symmetry ammonium confined in deformable supramolecular cages. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	12