Song-Song Bao

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.

90 papers	2,397 citations	29 h-index	46 g-index
94 ext. papers	2,810 ext. citations	6.4 avg, IF	5.51 L-index

#	Paper	IF	Citations
90	Two three-dimensional mixed-ligated cobalt phosphonate coordination polymers: Syntheses, crystal structures and magnetic properties. *Journal of Molecular Structure*, **2022**, 1248, 131456	3.4	1
89	Uranyl phosphonates: crystalline materials and nanosheets for temperature sensing. *Dalton Transactions*, **2021**, 50, 17129-17139	4.3	2
88	Layer or Tube? Uncovering Key Factors Determining the Rolling-up of Layered Coordination Polymers. *Journal of the American Chemical Society*, **2021**, 143, 17587-17598	16.4	1
87	Controllable Macroscopic Chirality of Coordination Polymers through pH and Anion-Mediated Weak Interactions. *Chemistry - A European Journal*, **2021**, 27, 16722-16734	4.8	4
86	Cobalt(II)-dianthracene Frameworks: Assembly, Exfoliation and Properties. *Chemistry - an Asian Journal*, **2021**, 16, 1456-1465	4.5	3
85	Anhydrous Superprotonic Conductivity of a Uranyl-Based MOF from Ambient Temperature to 110 °C **2021**, 3, 744-751		9
84	Chemically Exfoliated Semiconducting Bimetallic Porphyrinylphosphonate Metal–Organic Layers for Photocatalytic CO2 Reduction under Visible Light. *ACS Applied Energy Materials*, **2021**, 4, 4319-4326	6.1	5
83	Thermo-induced structural transformation with synergistic optical and magnetic changes in ytterbium and erbium complexes. *Chinese Chemical Letters*, **2021**, 32, 1519-1522	8.1	3
82	An ultra-stable hafnium phosphonate MOF platform for comparing the proton conductivity of various guest molecules/ions. *Chemical Communications*, **2021**, 57, 1238-1241	5.8	7
81	From helices to superhelices: hierarchical assembly of homochiral van der Waals 1D coordination polymers. *Chemical Science*, **2021**, 12, 12619-12630	9.4	2
80	Dual Intrareticular Oxidation of Mixed-Ligand Metal-Organic Frameworks for Stepwise Electrochemiluminescence. *Journal of the American Chemical Society*, **2021**, 143, 3049-3053	16.4	26
79	Homochiral Dysprosium Phosphonate Nanowires: Morphology Control and Magnetic Dynamics. *Chemistry - an Asian Journal*, **2021**, 16, 2648-2658	4.5	1
78	Heterometallic uranyl-organic frameworks incorporating manganese and copper: Structures, ammonia sorption and magnetic properties. *Polyhedron*, **2021**, 205, 115327	2.7	4
77	Polar Lanthanide Anthracene Complexes Exhibiting Magnetic, Luminescent and Dielectric Properties. *European Journal of Inorganic Chemistry*, **2021**, 2021, 4207	2.3	0
76	Dysprosium–dianthracene framework showing thermo-responsive magnetic and luminescence properties. *Journal of Materials Chemistry C*, **2021**, 9, 10749-10758	7.1	2
75	Metal-Metalloligand Coordination Polymer Embedding Triangular Cobalt-Oxo Clusters: Solvent- and Temperature-Induced Crystal to Crystal Transformations and Associated Magnetism. *Inorganic Chemistry*, **2020**, 59, 8935-8945	5.1	15
74	Constructing Asymmetrical Ni-Centered {NiNO} Octahedra in Layered Metal-Organic Structures for Near-Room-Temperature Single-Phase Magnetoelectricity. *Journal of the American Chemical Society* , **2020**, 142, 12841-12849	16.4	3

73	Synergetic magnetic and luminescence switching via solid state phase transitions of the dysprosium□ianthracene complex. *Journal of Materials Chemistry C*, **2020**, 8, 7369-7377	7.1	11
72	Luminescent Ir(III)□Ln(III) coordination polymers showing slow magnetization relaxation. *Inorganic Chemistry Frontiers*, **2020**, 7, 4580-4592	6.8	8
71	Polar layered coordination polymers incorporating triazacyclononane-triphosphonate metalloligands. *Dalton Transactions*, **2020**, 49, 3758-3765	4.3	3
70	Studying the Proton Conduction through the Grain Surface of UiO-66-NH2. *ACS Applied Energy Materials*, **2020**, 3, 8198-8204	6.1	3
69	Metal phosphonates incorporating metalloligands: assembly, structures and properties. *Chemical Communications*, **2020**, 56, 12090-12108	5.8	15
68	Thermo- and light-triggered reversible interconversion of dysprosium-anthracene complexes and their responsive optical, magnetic and dielectric properties. *Chemical Science*, **2020**, 12, 929-937	9.4	13
67	Cyclometalated Iridium(III) Complexes Incorporating Aromatic Phosphonate Ligands: Syntheses, Structures, and Tunable Optical Properties. *ACS Omega*, **2019**, 4, 16543-16550	3.9	5
66	Two- and Three-Dimensional Heterometallic Ln[Ru-□Ammonium Diphosphonate] Nets: Structures, Porosity, Magnetism, and Proton Conductivity. *Inorganic Chemistry*, **2019**, 58, 14034-14045	5.1	10
65	Aryl-aryl coupling in a polycyclic aromatic hydrocarbon with embedded tetracoordinate boron centre. *Organic and Biomolecular Chemistry*, **2019**, 17, 5060-5065	3.9	8
64	Hofmann Metal-Organic Framework Monolayer Nanosheets as an Axial Coordination Platform for Biosensing. *ACS Applied Materials & Interfaces*, **2019**, 11, 12986-12992	9.5	23
63	Polymorphic layered copper phosphonates: exfoliation and proton conductivity studies. *Dalton Transactions*, **2019**, 48, 6539-6545	4.3	12
62	Octahedral erbium and ytterbium ion encapsulated in phosphorescent iridium complexes showing field-induced magnetization relaxation. *Journal of Magnetism and Magnetic Materials*, **2019**, 484, 139-145	2.8	7
61	Homochiral iron(ii)-based metal-organic nanotubes: metamagnetism and selective nitric oxide adsorption in a confined channel. *Chemical Communications*, **2019**, 55, 2825-2828	5.8	17
60	Interplay of anthracene luminescence and dysprosium magnetism by steric control of photodimerization. *Dalton Transactions*, **2019**, 48, 13769-13779	4.3	15
59	Incorporating Paramagnetic IrIVCl62□In H-Bonded Networks of Metal-Phosphonate Hydrate: Slow Magnetic Relaxation and Proton Conduction. *Crystal Growth and Design*, **2019**, 19, 4836-4843	3.5	6
58	From a layered iridium(iii)-cobalt(ii) organophosphonate to an efficient oxygen-evolution-reaction electrocatalyst. *Chemical Communications*, **2019**, 55, 13920-13923	5.8	7
57	Proton conductive metal phosphonate frameworks. *Coordination Chemistry Reviews*, **2019**, 378, 577-594	23.2	220
56	Coupling photo-, mechano- and thermochromism and single-ion-magnetism of two mononuclear dysprosium-anthracene-phosphonate complexes. *Chemical Communications*, **2018**, 54, 3278-3281	5.8	31

55	Iridium(III)-Based Metal-Organic Frameworks as Multiresponsive Luminescent Sensors for Fe, CrO, and ATP in Aqueous Media. *Inorganic Chemistry*, **2018**, 57, 1079-1089	5.1	86
54	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. *ACS Catalysis*, **2018**, 8, 3895-3902	13.1	58
53	Reversible SC-SC Transformation involving [4+4] Cycloaddition of Anthracene: A Single-Ion to Single-Molecule Magnet and Yellow-Green to Blue-White Emission. *Angewandte Chemie - International Edition*, **2018**, 57, 8577-8581	16.4	62
52	Homochiral Erbium Coordination Polymers: Salt-Assisted Conversion from Triple to Quadruple Helices. *Crystal Growth and Design*, **2018**, 18, 4045-4053	3.5	12
51	NaIrCl: Spin-Orbital-Induced Semiconductor Showing Hydration-Dependent Structural and Magnetic Variations. *Inorganic Chemistry*, **2018**, 57, 13252-13258	5.1	8
50	Counteranion Modulated Crystal Growth and Function of One-Dimensional Homochiral Coordination Polymers: Morphology, Structures, and Magnetic Properties. *Inorganic Chemistry*, **2018**, 57, 12143-12154	5.1	11
49	Temperature controlled formation of polar copper phosphonates showing large dielectric anisotropy and a dehydration-induced switch from ferromagnetic to antiferromagnetic interactions. *Chemical Communications*, **2018**, 54, 6276-6279	5.8	4
48	Reversible ON-OFF switching of single-molecule-magnetism associated with single-crystal-to-single-crystal structural transformation of a decanuclear dysprosium phosphonate. *Chemical Science*, **2018**, 9, 6424-6433	9.4	38
47	Dynamic Motion of Organic Ligands in Polar Layered Cobalt Phosphonates. *Chemistry - A European Journal*, **2018**, 24, 13495-13503	4.8	4
46	A New Strategy towards Efficient and Recyclable Carbon-Chloride Bond Cleavage of Environmentally Harmful Organochlorides through Electrochemical Catalysis in Non□queous Media. *ChemistrySelect*, **2017**, 2, 645-649	1.8	1
45	Defective Metal-Organic Frameworks Incorporating Iridium-Based Metalloligands: Sorption and Dye Degradation Properties. *Chemistry - A European Journal*, **2017**, 23, 6615-6624	4.8	32
44	Chiral expression from molecular to macroscopic level via pH modulation in terbium coordination polymers. *Nature Communications*, **2017**, 8, 2131	17.4	28
43	Formation Mechanism and Reversible Expansion and Shrinkage of Magnesium-Based Homochiral Metal-Organic Nanotubes. *Chemistry - A European Journal*, **2017**, 23, 1086-1092	4.8	15
42	Enantioenriched Cobalt Phosphonate Containing □Type Chains and Showing Slow Magnetization Relaxation. *Inorganic Chemistry*, **2016**, 55, 9521-9523	5.1	10
41	Homochiral mononuclear Dy-Schiff base complexes showing field-induced double magnetic relaxation processes. *Dalton Transactions*, **2016**, 45, 690-5	4.3	16
40	Cyclic single-molecule magnets: from the odd-numbered heptanuclear to a dimer of heptanuclear dysprosium clusters. *Chemical Communications*, **2016**, 52, 2314-7	5.8	35
39	Multiple-Step Humidity-Induced Single-Crystal to Single-Crystal Transformations of a Cobalt Phosphonate: Structural and Proton Conductivity Studies. *Inorganic Chemistry*, **2016**, 55, 3706-12	5.1	45
38	Proton Conductivities Manipulated by the Counter-Anions in 2D Co-Ca Coordination Frameworks. *European Journal of Inorganic Chemistry*, **2016**, 2016, 4476-4482	2.3	12

37	Cyclic Single-Molecule Magnets: From Even-Numbered Hexanuclear to Odd-Numbered Heptanuclear Dysprosium Clusters. *European Journal of Inorganic Chemistry*, **2016**, 2016, 3184-3190	2.3	9
36	Polymorphic Lanthanide Phosphonates Showing Distinct Magnetic Behavior. *Inorganic Chemistry*, **2016**, 55, 5297-304	5.1	18
35	Magnetic materials based on 3d metal phosphonates. *Coordination Chemistry Reviews*, **2016**, 319, 63-85	23.2	89
34	Facile synthesis of a water stable 3D Eu-MOF showing high proton conductivity and its application as a sensitive luminescent sensor for Cu2+ ions. *Journal of Materials Chemistry A*, **2016**, 4, 16484-16489	13	77
33	A Mixed-Valent Uranium Phosphonate Framework Containing U(IV) , U(V) , and U(VI). *Chemistry - A European Journal*, **2016**, 22, 11954-7	4.8	31
32	Modulating the microporosity of cobalt phosphonates via positional isomerism of co-linkers. *CrystEngComm*, **2015**, 17, 8926-8932	3.3	11
31	A cryogenic luminescent ratiometric thermometer based on a lanthanide phosphonate dimer. *Journal of Materials Chemistry C*, **2015**, 3, 8480-8484	7.1	67
30	Lanthanide phosphonates with pseudo-D5h local symmetry exhibiting magnetic and luminescence bifunctional properties. *Inorganic Chemistry Frontiers*, **2015**, 2, 558-566	6.8	49
29	Homochiral metal phosphonate nanotubes. *Chemical Communications*, **2015**, 51, 15141-4	5.8	21
28	Chirality- and pH-Controlled Supramolecular Isomerism in Cobalt Phosphonates and Its Impact on the Magnetic Behavior. *Chemistry - A European Journal*, **2015**, 21, 17336-43	4.8	15
27	Co□La Phosphonate Showing Humidity-Sensitive Single Crystal to Single Crystal Structural Transformation and Tunable Proton Conduction Properties. *Chemistry of Materials*, **2015**, 27, 8116-8125	9.6	117
26	pH-controlled polymorphism in a layered dysprosium phosphonate and its impact on the magnetization relaxation. *Chemical Communications*, **2015**, 51, 2649-52	5.8	24
25	Polar metal phosphonate containing unusual □(4)-OH bridged double chains showing canted antiferromagnetism with large coercivity. *Chemical Communications*, **2014**, 50, 3979-81	5.8	35
24	Exfoliated layered copper phosphonate showing enhanced adsorption capability towards Pb ions. *Chemical Communications*, **2014**, 50, 10622-5	5.8	19
23	A luminescent heptanuclear DyIr6 complex showing field-induced slow magnetization relaxation. *Chemical Communications*, **2014**, 50, 8356-9	5.8	31
22	Enhancing proton conduction in 2D Co-La coordination frameworks by solid-state phase transition. *Journal of the American Chemical Society*, **2014**, 136, 9292-5	16.4	124
21	Switching on Single-Molecule-Magnet Behavior in MnIII3 Schiff Base Out-of-Plane Dimers by the Phosphonate Terminal Ligand. *European Journal of Inorganic Chemistry*, **2014**, 2014, 1042-1050	2.3	9
20	Homochiral cobalt phosphonates containing □-type chains with a tunable interlayer distance and a field-induced phase transition. *Chemistry - A European Journal*, **2014**, 20, 17137-42	4.8	23

19	Racemic metal phosphonates based on 1-phosphonomethyl-2-benzimidazol-piperidine. *CrystEngComm*, **2013**, 15, 10316	3.3	10
18	Breathing effect in a cobalt phosphonate upon dehydration/rehydration: a single-crystal-to-single-crystal study. *Chemistry - A European Journal*, **2013**, 19, 16394-402	4.8	39
17	Supramolecular Isomerism of One-Dimensional Copper(II) Phosphonate and Its Influence on the Magnetic Properties. *ChemPlusChem*, **2012**, 77, 1087-1095	2.8	29
16	An enantioenriched vanadium phosphonate generated via asymmetric chiral amplification of crystallization from achiral sources showing a single-crystal-to-single-crystal dehydration process. *Chemical Communications*, **2012**, 48, 6565-7	5.8	39
15	A racemic polar cobalt phosphonate with weak ferromagnetism. *Chemistry - A European Journal*, **2012**, 18, 10839-42	4.8	32
14	Enhanced magnetic hardness in a nanoscale metal-organic hybrid ferrimagnet. *Chemistry - A European Journal*, **2012**, 18, 9534-42	4.8	32
13	Layered manganese 4-phosphonoisophthalates (4-piH4) embedding Mn-O chains with metamagnetism in Mn3(4-piH)2(H2O)3H2O. *Science China Chemistry*, **2012**, 55, 1047-1054	7.9	4
12	Tuning the Spin State of Cobalt in a CoLa Heterometallic Complex through Controllable Coordination Sphere of La. *Angewandte Chemie*, **2011**, 123, 5618-5622	3.6	10
11	Tuning the spin state of cobalt in a Co-La heterometallic complex through controllable coordination sphere of La. *Angewandte Chemie - International Edition*, **2011**, 50, 5504-8	16.4	41
10	Pillared Layered Metal Phosphonates Showing Field-Induced Magnetic Transitions. *European Journal of Inorganic Chemistry*, **2010**, 2010, 895-901	2.3	8
9	Homochiral lanthanide phosphonates with brick-wall-shaped layer structures showing chiroptical and catalytical properties. *Inorganic Chemistry*, **2009**, 48, 1901-5	5.1	56
8	Microwave-assisted hydrothermal syntheses of metal phosphonates with layered and framework structures. *Dalton Transactions*, **2007**, 4222	4.3	14
7	Lanthanide diruthenium(II,III) compounds showing layered and PtS-type open framework structures. *Inorganic Chemistry*, **2007**, 46, 8524-32	5.1	65
6	Anion-directed self-assembly of lanthanide-notp compounds and their fluorescence, magnetic, and catalytic properties. *Chemistry - A European Journal*, **2007**, 13, 2333-43	4.8	94
5	Three-dimensional lanthanide(III)-copper(II) compounds based on an unsymmetrical 2-pyridylphosphonate ligand: an experimental and theoretical study. *Chemistry - A European Journal* , **2007**, 13, 4759-69	4.8	75
4	Copper and cadmium phosphonates based on 2-quinolinephosphonate. *Solid State Sciences*, **2007**, 9, 686-692	3.4	8
3	Incorporation of triazacyclononane into the metal phosphonate backbones. *Inorganic Chemistry*, **2006**, 45, 1124-9	5.1	57
2	Sodium cobalt aminomethylidenediphosphonate with a novel open framework structure. *Inorganic Chemistry*, **2003**, 42, 5037-9	5.1	28

1	Diradicals or Zwitterions: The Chemical States of m -Benzoquinone and Structural Variation after Storage of Li Ions. *CCS Chemistry*,2812-2825	7.2	3