Li-Min Zheng

List of Publications by Citations

164 papers	4,664 citations	41 h-index	57 g-index
171 ext. papers	5,128 ext. citations	5.6 avg, IF	5.92 L-index

#	Paper	IF	Citations
164	Proton conductive metal phosphonate frameworks. *Coordination Chemistry Reviews*, **2019**, 378, 577-594	23.2	220
163	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
162	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
161	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
160	Magnetic materials based on 3d metal phosphonates. *Coordination Chemistry Reviews*, **2016**, 319, 63-85	23.2	89
159	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
158	Cu4(CH3C(OH)(PO3)2)2(C4H4N2)(H2O)4: a novel, three-dimensional copper diphosphonate with metamagnetism. *Chemical Communications*, **2001**, 2346-7	5.8	84
157	A layered erbium phosphonate in pseudo-D(5h) symmetry exhibiting field-tunable magnetic relaxation and optical correlation. *Chemical Communications*, **2014**, 50, 7621-4	5.8	77
156	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
155	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
154	One-dimensional cobalt diphosphonates exhibiting weak ferromagnetism and field-induced magnetic transitions. *Inorganic Chemistry*, **2004**, 43, 2151-6	5.1	75
153	Dodecanuclear manganese(III) phosphonates with cage structures. *Inorganic Chemistry*, **2006**, 45, 59-65	5.1	73
152	Control of the single-molecule magnet behavior of lanthanide-diarylethene photochromic assemblies by irradiation with light. *Chemistry - A European Journal*, **2014**, 20, 12502-13	4.8	69
151	A cryogenic luminescent ratiometric thermometer based on a lanthanide phosphonate dimer. *Journal of Materials Chemistry C*, **2015**, 3, 8480-8484	7.1	67
150	Novel coordination polymer containing a mixed valence copper(I,II) phosphonate unit: Cu(I)(2)Cu(II)(hedpH(2))(2)(4,4□bpy)(2).2H(2)O (hedp = 1-hydroxyethylidenediphosphonate). *Inorganic Chemistry*, **2002**, 41, 4084-6	5.1	66
149	Lanthanide diruthenium(II,III) compounds showing layered and PtS-type open framework structures. *Inorganic Chemistry*, **2007**, 46, 8524-32	5.1	65
148	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

147	Zinc diphosphonates templated by organic amines: syntheses and characterizations of [NH3(CH2)2NH3]Zn(hedpH2)2*2H2O and [NH3(CH2)nNH3(CH2)nNH3]Zn2(hedpH)2*2H2O (n=4,5,6) (hedp=1-hydroxyethylidenediphophonate). *Inorganic Chemistry*, **2001**, 40, 5024-9	5.1	62
146	Metamagnetic Copper(II) Diphosphonates with Layered Structures. *Chemistry of Materials*, **2002**, 14, 3143-3147	9.6	60
145	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. *ACS Catalysis*, **2018**, 8, 3895-3902	13.1	58
144	Solvent responsive magnetic dynamics of a dinuclear dysprosium single-molecule magnet. *Chemistry - A European Journal*, **2013**, 19, 9619-28	4.8	57
143	Tridecanuclear and docosanuclear manganese phosphonate clusters with slow magnetic relaxation. *Inorganic Chemistry*, **2007**, 46, 5459-61	5.1	57
142	Incorporation of triazacyclononane into the metal phosphonate backbones. *Inorganic Chemistry*, **2006**, 45, 1124-9	5.1	57
141	Homochiral lanthanide phosphonates with brick-wall-shaped layer structures showing chiroptical and catalytical properties. *Inorganic Chemistry*, **2009**, 48, 1901-5	5.1	56
140	Dy(III) single-ion magnet showing extreme sensitivity to (de)hydration. *Inorganic Chemistry*, **2013**, 52, 8342-8	5.1	55
139	[Cu(tn)]3[W(CN)8]2·3H2O and [Cu(pn)]3[W(CN)8]2·3H2O: Two Novel Cu(II)−W(V) Cyano-Bridged Two-Dimensional Coordination Polymers with Metamagnetism. *Chemistry of Materials*, **2003**, 15, 2094-2098	9.6	52
138	Syntheses, structures, and magnetic properties of mixed-valent diruthenium(II,III) diphosphonates with discrete and one-dimensional structures. *Inorganic Chemistry*, **2005**, 44, 4309-14	5.1	51
137	[NH(3)(CH(2))(4)NH(3)]Fe(2)[CH(3)C(OH)(PO(3))(PO(3)H)](2).2H(2)O: A Novel Iron(II) Diphosphonate with a Supramolecular Open Network Structure. *Inorganic Chemistry*, **1999**, 38, 4618-4619	5.1	51
136	Lanthanide phosphonates with pseudo-D5h local symmetry exhibiting magnetic and luminescence bifunctional properties. *Inorganic Chemistry Frontiers*, **2015**, 2, 558-566	6.8	49
135	Cobalt and manganese diphosphonates with one-, two-, and three-dimensional structures and field-induced magnetic transitions. *Inorganic Chemistry*, **2011**, 50, 2278-87	5.1	48
134	Mixed-valent diruthenium diphosphonate with kagomé structure. *Inorganic Chemistry*, **2005**, 44, 6921-3	5.1	46
133	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
132	Polymorphism in homochiral zinc phosphonates. *Inorganic Chemistry*, **2008**, 47, 5525-7	5.1	45
131	Syntheses, crystal structures and magnetic properties of manganese(II)-hedp compounds involving alkylenediamine templates (hedp = 1-hydroxyethylidene-diphosphonate). *Dalton Transactions RSC*, **2002**, 2752-2759		45
130	A novel Cu(II)-W(V) bimetallic assembly magnet {[Cu(en)2]3[W(CN)8]2·H2O}(en = ethylenediamine) with cube-like W8Cu12 units from a coordinated anion template self-assembly reaction. *New Journal of Chemistry*, **2002**, 26, 485-489	3.6	45

129	Magnetization relaxation in a three-dimensional ligated cobalt phosphonate containing ferrimagnetic chains. *Chemistry - A European Journal*, **2011**, 17, 3579-83	4.8	44
128	A cyano-bridged MnIIMoV bimetallic ferrimagnet with a novel moniliform structure. *Dalton Transactions RSC*, **2002**, 2805		44
127	Lanthanide salen-type complexes exhibiting single ion magnet and photoluminescent properties. *Dalton Transactions*, **2016**, 45, 2974-82	4.3	43
126	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
125	Template- and pH-directed assembly of diruthenium diphosphonates with different topologies and oxidation states. *Inorganic Chemistry*, **2006**, 45, 4205-13	5.1	41
124	Syntheses and Structures of Transition Metal-hedp Compounds and the Template Influences (hedp = 1-Hydroxyethylidenediphosphonate). *Comments on Inorganic Chemistry*, **2000**, 22, 129-149	3.9	41
123	Tuning the field-induced magnetic transition in a layered cobalt phosphonate by reversible dehydration-hydration process. *Chemical Communications*, **2009**, 3023-5	5.8	40
122	Copper diphosphonates with zero-, one- and two-dimensional structures: ferrimagnetism in layer compound Cu3(ImhedpH)(2).2H2O [ImhedpH4=(1-C3H3N2)CH2C(OH)(PO3H2)2]. *Dalton Transactions*, **2008**, 5008-15	4.3	40
121	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
120	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
119	Zinc 4-Carboxyphenylphosphonates with Pillared Layered Framework Structures Containing Large 12-Membered Rings Built Up from Tetranuclear Zn4 Clusters and CPO3 Linkages. *Crystal Growth and Design*, **2008**, 8, 2950-2953	3.5	39
118	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
117	Metal Phosphonates Based on {[(Benzimidazol-2-ylmethyl)imino]bis(methylene)}bis(phosphonic Acid): Syntheses, Structures and Magnetic Properties of the Chain Compounds [M{(C7H5N2)CH2N(CH2PO3H)2}](M = Mn, Fe, Co, Cu, Cd). *European Journal of Inorganic Chemistry*, **2006**, 2006, 1830-1837	2.3	36
116	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
115	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
114	Ag(I)-mediated formation of pyrophosphonate coupled with C-C bond cleavage of acetonitrile. *Chemical Communications*, **2009**, 2893-5	5.8	35
113	Template-Directed One- and Two-Dimensional Copper(II) Diphosphonates: Structures and Characterizations of (NH(4))(2)Cu(3)(hedp)(2)(H(2)O)(4), [NH(3)(CH(2))(4)NH(3)]Cu(3)(hedp)(2).2H(2)O, and [NH(2)(C(2)H(4))(2)NH(2)]Cu(3)(hedp)(2) (hedp = 1-Hydroxyethylidenediphosphonate). *Inorganic Chemistry*, **1999**, 38, 5061-5066	5.1	35
112	Chiral-layered metal phosphonate formed via spontaneous resolution showing dehydration-induced antiferromagnetic to ferromagnetic transformation. *Inorganic Chemistry*, **2008**, 47, 10211-3	5.1	34

111	Novel layered ruthenium diphosphonate containing a mixed valent diruthenium paddlewheel core. *Inorganic Chemistry*, **2003**, 42, 2827-9	5.1	34
110	Defective Metal-Organic Frameworks Incorporating Iridium-Based Metalloligands: Sorption and Dye Degradation Properties. *Chemistry - A European Journal*, **2017**, 23, 6615-6624	4.8	32
109	A racemic polar cobalt phosphonate with weak ferromagnetism. *Chemistry - A European Journal*, **2012**, 18, 10839-42	4.8	32
108	Enhanced magnetic hardness in a nanoscale metal-organic hybrid ferrimagnet. *Chemistry - A European Journal*, **2012**, 18, 9534-42	4.8	32
107	Cobalt diphosphonate with a new double chain structure exhibiting field-induced magnetic transition. *Dalton Transactions*, **2007**, 4681-4	4.3	32
106	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
105	A luminescent heptanuclear DyIr6 complex showing field-induced slow magnetization relaxation. *Chemical Communications*, **2014**, 50, 8356-9	5.8	31
104	Homochiral zinc phosphonates with layered and open framework structures using polycarboxylate as second linkers. *Dalton Transactions*, **2009**, 9837-42	4.3	31
103	Syntheses, structures and magnetic properties of two copper(II) diphosphonates: [NH3(CH2)2NH3]2[Cu2(hedp)2]·H2O and [NH3CH(CH3)CH2NH3]2[Cu2(hedp)2] (hedp = 1-hydroxyethylidenediphosphonate). *Dalton Transactions RSC*, **2001**, 3274		31
102	[M(OOCC6H4PO3H)(H2O)] (M(II) = Mn, Co, Ni): layered metal phosphonates showing variable magnetic behavior. *CrystEngComm*, **2009**, 11, 1255	3.3	30
101	Synthesis, crystal structure and magnetic properties of a CuIIVV/IV bimetallic complex with a novel open framework structure. *Dalton Transactions*, **2003**, 3283-3287	4.3	30
100	Lanthanide-based Single Molecule Magnets. *Acta Chimica Sinica*, **2015**, 73, 1091	3.3	30
99	Supramolecular Isomerism of One-Dimensional Copper(II) Phosphonate and Its Influence on the Magnetic Properties. *ChemPlusChem*, **2012**, 77, 1087-1095	2.8	29
98	Chiral expression from molecular to macroscopic level via pH modulation in terbium coordination polymers. *Nature Communications*, **2017**, 8, 2131	17.4	28
97	Co(2-OOCCH2PO3)(H2O)·H2O: a layered metal phosphonate showing reversible dehydration-rehydration behavior and ferrimagnetism. *Dalton Transactions*, **2011**, 40, 1307-12	4.3	28
96	Functional Interface of Ferric Ion Immobilized on Phosphonic Acid Terminated Self-Assembled Monolayers on a Au Electrode for Detection of Hydrogen Peroxide. *Journal of Physical Chemistry C*, **2009**, 113, 3746-3750	3.8	28
95	Crystal structures and magnetic properties of two octacyanometalate-based tungstate(V)–copper(II) bimetallic assemblies. *New Journal of Chemistry*, **2002**, 26, 1190-1195	3.6	27
94	Layered copper compounds based on 4-(3-bromothienyl)phosphonate (BTP): weak ferromagnetism observed in [Cu2(4,4'-bpy)0.5(BTP)2].H2O. *Dalton Transactions*, **2009**, 8548-54	4.3	25

93	pH-controlled polymorphism in a layered dysprosium phosphonate and its impact on the magnetization relaxation. *Chemical Communications*, **2015**, 51, 2649-52	5.8	24
92	Zn(3)(4-OOCC(6)H(4)PO(3))(2): A polar metal phosphonate with pillared layered structure showing SHG-activity and large dielectric anisotropy. *Dalton Transactions*, **2010**, 39, 8606-8	4.3	24
91	Lanthanide anthracene complexes: slow magnetic relaxation and luminescence in Dy, Er and Yb based materials. *Dalton Transactions*, **2019**, 48, 2735-2740	4.3	24
90	Hofmann Metal-Organic Framework Monolayer Nanosheets as an Axial Coordination Platform for Biosensing. *ACS Applied Materials & Interfaces*, **2019**, 11, 12986-12992	9.5	23
89	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
88	LiF-assisted crystallization of zinc 4-carboxyphenylphosphonates with pillared layered structures. *CrystEngComm*, **2009**, 11, 1674	3.3	23
87	Synthesis and characterization of two metal phosphonates with 3D structures: CuI2CuII[(3-C5H4N)CH(OH)PO3]2 and Zn[(3-C5H4N)CH(OH)PO3]. *New Journal of Chemistry*, **2005**, 29, 721	3.6	23
86	Metal phosphonates based on (4-carboxypiperidyl)-N-methylenephosphonate: in situ ligand cleavage and metamagnetism in Co3(O3PCH2-NHC5H9-COO)2(O3PCH2-NC5H10)(H2O). *Dalton Transactions*, **2009**, 2746-50	4.3	22
85	Syntheses and Structures of Layered Copper(II) Diphosphonates with Mixed Ligands. *European Journal of Inorganic Chemistry*, **2003**, 2003, 726-730	2.3	22
84	Homochiral metal phosphonate nanotubes. *Chemical Communications*, **2015**, 51, 15141-4	5.8	21
83	Chiral metal phosphonates: assembly, structures and functions. *Science China Chemistry*, **2020**, 63, 619-636	7.9	20
82	Diruthenium(III,III) diphosphonate with a spin ground state S = 2. *Dalton Transactions*, **2013**, 42, 3429-33	4.3	20
81	Exfoliated layered copper phosphonate showing enhanced adsorption capability towards Pb ions. *Chemical Communications*, **2014**, 50, 10622-5	5.8	19
80	Mixed-valent manganese phosphonate clusters prepared under microwave-assisted and ambient conditions. *Dalton Transactions*, **2009**, 5029-34	4.3	18
79	Polymorphic Lanthanide Phosphonates Showing Distinct Magnetic Behavior. *Inorganic Chemistry*, **2016**, 55, 5297-304	5.1	18
78	Enantiopure phosphonic acids as chiral inducers: homochiral crystallization of cobalt coordination polymers showing field-induced slow magnetization relaxation. *Chemical Communications*, **2016**, 52, 6877-80	5.8	18
77	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
76	Heterometallic 3d-4f coordination polymers based on 1,4,7-triazacyclononane-1,4,7-triyl-tris(methylenephosphonate). *Inorganic Chemistry*, **2014**, 53, 6042-7	5.1	17

75	Metal-organic nanotubes: Designs, structures and functions. *Coordination Chemistry Reviews*, **2020**, 403, 213083	23.2	17
74	Homochiral mononuclear Dy-Schiff base complexes showing field-induced double magnetic relaxation processes. *Dalton Transactions*, **2016**, 45, 690-5	4.3	16
73	Lanthanide Carboxyphosphonates Ln(O3PCH2NC5H9COO)(H2O)2·xH2O with Open Framework Structures Containing Parallelogram-like Channels. *Crystal Growth and Design*, **2009**, 9, 4445-4449	3.5	16
72	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
71	Interplay of anthracene luminescence and dysprosium magnetism by steric control of photodimerization. *Dalton Transactions*, **2019**, 48, 13769-13779	4.3	15
70	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
69	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
68	Metal phosphonates incorporating metalloligands: assembly, structures and properties. *Chemical Communications*, **2020**, 56, 12090-12108	5.8	15
67	M2(pbtcH)(phen)2(H2O)2 [M(II)=Co, Ni]: Mixed-ligated metal phosphonates based on 5-phosphonatophenyl-1,2,4-tricarboxylic acid showing double chain structures. *Chinese Chemical Letters*, **2014**, 25, 835-838	8.1	14
66	Isostructural lanthanide oxalatophosphonates Ln(5pm8hqH3)(C2O4)1.5(H2O)·2H2O [Ln(III) = Eu, Gd, Tb, Dy] (5pm8hqH3 = 5-phosphonomethyl-8-hydroxyquinoline): structures, magnetic and fluorescent properties. *RSC Advances*, **2012**, 2, 6680	3.7	14
65	Lanthanide oxalatophosphonates with two- and three-dimensional structures. *Journal of Solid State Chemistry*, **2010**, 183, 1159-1164	3.3	14
64	Metal diphosphonates with double-layer and pillared layered structures based on N-cyclohexylaminomethanediphosphonate. *Journal of Solid State Chemistry*, **2010**, 183, 1588-1594	3.3	14
63	Microwave-assisted hydrothermal syntheses of metal phosphonates with layered and framework structures. *Dalton Transactions*, **2007**, 4222	4.3	14
62	Syntheses, structures and catalytic properties of one-dimensional lanthanide-dotp compounds [dotpH8=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis-(methylenephosphonic acid)]. *Inorganic Chemistry Communication*, **2008**, 11, 1075-1078	3.1	14
61	{M(C5H4N)CH(OH)PO3}(H2O) (M = Mn, Fe, Co): layered compounds based on [hydroxy(4-pyridyl)methyl]phosphonate. *Dalton Transactions*, **2003**, 953-956	4.3	14
60	Enlarging the ring by incorporating a phosphonate coligand: from the cyclic hexanuclear to octanuclear dysprosium clusters. *Dalton Transactions*, **2015**, 44, 14208-12	4.3	13
59	Cyclic Lanthanide-based Molecular Clusters: Assembly and Single Molecule Magnet Behavior. *Acta Chimica Sinica*, **2020**, 78, 34	3.3	13
58	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

57	Polymorphic layered copper phosphonates: exfoliation and proton conductivity studies. *Dalton Transactions*, **2019**, 48, 6539-6545	4.3	12
56	Homochiral Erbium Coordination Polymers: Salt-Assisted Conversion from Triple to Quadruple Helices. *Crystal Growth and Design*, **2018**, 18, 4045-4053	3.5	12
55	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
54	Modulating the microporosity of cobalt phosphonates via positional isomerism of co-linkers. *CrystEngComm*, **2015**, 17, 8926-8932	3.3	11
53	Synergetic magnetic and luminescence switching via solid state phase transitions of the dysprosium–dianthracene complex. *Journal of Materials Chemistry C*, **2020**, 8, 7369-7377	7.1	11
52	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
51	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
50	Syntheses, crystal structures and magnetic properties of a series of luminescent lanthanide complexes containing neutral tetradentate phenanthroline-amide ligands. *Inorganic Chemistry Frontiers*, **2019**, 6, 1442-1452	6.8	10
49	Enantioenriched Cobalt Phosphonate Containing –Type Chains and Showing Slow Magnetization Relaxation. *Inorganic Chemistry*, **2016**, 55, 9521-9523	5.1	10
48	Racemic metal phosphonates based on 1-phosphonomethyl-2-benzimidazol-piperidine. *CrystEngComm*, **2013**, 15, 10316	3.3	10
47	Tuning the Spin State of Cobalt in a Co–La Heterometallic Complex through Controllable Coordination Sphere of La. *Angewandte Chemie*, **2011**, 123, 5618-5622	3.6	10
46	Switching on Single-Molecule-Magnet Behavior in Mn^{III} Schiff Base Out-of-Plane Dimers by the Phosphonate Terminal Ligand. *European Journal of Inorganic Chemistry*, **2014**, 2014, 1042-1050	2.3	9
45	Anhydrous Superprotonic Conductivity of a Uranyl-Based MOF from Ambient Temperature to 110 °C **2021**, 3, 744-751		9
44	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
43	Pillared Layered Metal Phosphonates Showing Field-Induced Magnetic Transitions. *European Journal of Inorganic Chemistry*, **2010**, 2010, 895-901	2.3	8
42	Structure and magnetism of a linear trimanganese (III, II, III) complex based on benzoate and Schiff-base ligands. *Journal of Coordination Chemistry*, **2008**, 61, 2814-2822	1.6	8
41	Copper and cadmium phosphonates based on 2-quinolinephosphonate. *Solid State Sciences*, **2007**, 9, 686-692	3.4	8
40	Luminescent Ir(III)–Ln(III) coordination polymers showing slow magnetization relaxation. *Inorganic Chemistry Frontiers*, **2020**, 7, 4580-4592	6.8	8

39	NaIrCl: Spin-Orbital-Induced Semiconductor Showing Hydration-Dependent Structural and Magnetic Variations. *Inorganic Chemistry*, **2018**, 57, 13252-13258	5.1	8
38	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
37	A pH responsive electrochemical switch sensor based on Fe(notpH3) [notpH6 = 1,4,7-triazacyclononane-1,4,7-triyl-tris(methylene-phosphonic acid)]. *Talanta*, **2010**, 83, 145-8	6.2	7
36	Self-assembly of a Linear Ni9 Triple-helical Supramolecule with Dominant Ferromagnetic Interactions. *Chemistry - an Asian Journal*, **2016**, 11, 2021-4	4.5	7
35	Successive Phase Transition, Dielectric Ordering, and Liquid Crystalline Behavior of Simple (Laurylammonium)(Phenyl Phosphates) Salts. *Journal of Physical Chemistry B*, **2016**, 120, 6761-70	3.4	7
34	From a layered iridium(iii)-cobalt(ii) organophosphonate to an efficient oxygen-evolution-reaction electrocatalyst. *Chemical Communications*, **2019**, 55, 13920-13923	5.8	7
33	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*, **2018**, 130, 8713-8717	3.6	7
32	Incorporating Paramagnetic $IrIVCl6^{2-}$ 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
31	Cobalt and copper phosphinates based on N-(phosphinomethyl)iminodiacetic acid: supramolecular layered structures and magnetic properties. *CrystEngComm*, **2012**, 14, 4699	3.3	6
30	Field-induced slow magnetic relaxation in low-spin S = 1/2 mononuclear osmium(v) complexes. *Dalton Transactions*, **2020**, 49, 4084-4092	4.3	6
29	Cyclometalated Iridium(III) Complexes Incorporating Aromatic Phosphonate Ligands: Syntheses, Structures, and Tunable Optical Properties. *ACS Omega*, **2019**, 4, 16543-16550	3.9	5
28	Reaction of an anthracene-based cyclic phosphonate ester with trimethylsilyl bromide unexpectedly generating two phosphonates: syntheses, crystal structures and fluorescent properties. *RSC Advances*, **2013**, 3, 4001	3.7	5
27	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
26	Na3Ru2(hedp)2?4H2O: A mixed valent diruthenium diphosphonate with three-dimensional structure. *Solid State Sciences*, **2006**, 8, 1041-1045	3.4	4
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4	Studies on the solid state reactions of coordination conpounds. XLVIII. The effect of KSCN on the thermal decomposition of cobalt(III)-ammine complexes. *Chinese Journal of Chemistry*, **2010**, 11, 225-230	4.9	

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3	Solid State Reactions of Dimethylglyoxime with Nickel Acetate at Close to Room Temperature. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **1995**, 25, 1091-1099	
2	Dynamic Cantilever Magnetometry of Paramagnetism with Slow Relaxation. *Chinese Physics Letters*, **2022**, 39, 037501	1.8
1	Mixed-ligated cobalt phosphonates showing slow magnetic relaxation and spin-flop behavior. *Journal of Solid State Chemistry*, **2022**, 123227	3.3