Li-Min Zheng

List of Publications by Year
in descending order

169 papers	5,534 citations	66234 42 h-index	118652 62 g-index
171 all docs	171 docs citations	171 times ranked	3728 citing authors

#	Article	IF	Citations
1	Proton conductive metal phosphonate frameworks. Coordination Chemistry Reviews, 2019, 378, 577-594.	9.5	300
2	Enhancing Proton Conduction in 2D Coâ€“La Coordination Frameworks by Solid-State Phase Transition. Journal of the American Chemical Society, 2014, 136, 9292-9295.	6.6	144
3	Coâ€“Ca Phosphonate Showing Humidity-Sensitive Single Crystal to Single Crystal Structural Transformation and Tunable Proton Conduction Properties. Chemistry of Materials, 2015, 27, 8116-8125.	3.2	137
4	Magnetic materials based on 3d metal phosphonates. Coordination Chemistry Reviews, 2016, 319, 63-85.	9.5	109
5	Iridium(III)-Based Metalâ€“Organic Frameworks as Multiresponsive Luminescent Sensors for Fe³⁺, Cr₂O₇^{2â€“}, and ATP^{2â€“} in Aqueous Media. Inorganic Chemistry, 2018, 57, 1079-1089.	1.9	104
6	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.	5.2	99
7	Reversible SCâ€“SC Transformation involving [4+4] Cycloaddition of Anthracene: A Singleâ€Ion to Singleâ€Molecule Magnet and Yellowâ€Green to Blueâ€White Emission. Angewandte Chemie - International Edition, 2018, 57, 8577-8581.	7.2	97
8	Anion-Directed Self-Assembly of Lanthanideâ€“notp Compounds and Their Fluorescence, Magnetic, and Catalytic Properties. Chemistry - A European Journal, 2007, 13, 2333-2343.	1.7	96
9	Cu4{CH3C(OH)(PO3)2}2(C4H4N2)(H2O)4: a novel, three-dimensional copper diphosphonate with metamagnetismElectronic supplementary information (ESI) available: views of structure 1, temperature dependence of ac magnetic susceptibility and field dependence of magnetization of 1. See http://www.rsc.org/suppdata/cc/b1/b106780j/. Chemical Communications, 2001, , 2346-2347.	2.2	87
10	A cryogenic luminescent ratiometric thermometer based on a lanthanide phosphonate dimer. Journal of Materials Chemistry C, 2015, 3, 8480-8484.	2.7	87
11	A layered erbium phosphonate in pseudo-D5h symmetry exhibiting field-tunable magnetic relaxation and optical correlation. Chemical Communications, 2014, 50, 7621.	2.2	83
12	Control of the Singleâ€Molecule Magnet Behavior of Lanthanideâ€Diarylethene Photochromic Assemblies by Irradiation with Light. Chemistry - A European Journal, 2014, 20, 12502-12513.	1.7	78
13	One-Dimensional Cobalt Diphosphonates Exhibiting Weak Ferromagnetism and Field-Induced Magnetic Transitions. Inorganic Chemistry, 2004, 43, 2151-2156.	1.9	76
14	Dodecanuclear Manganese(III) Phosphonates with Cage Structures. Inorganic Chemistry, 2006, 45, 59-65.	1.9	75
15	Three-Dimensional Lanthanide(III)â€“Copper(II) Compounds Based on an Unsymmetrical 2-Pyridylphosphonate Ligand: An Experimental and Theoretical Study. Chemistry - A European Journal, 2007, 13, 4759-4769.	1.7	75
16	Zinc Diphosphonates Templated by Organic Amines:Â Syntheses and Characterizations of [NH3(CH2)2NH3]Zn(hedpH2)2Â·2H2O and [NH3(CH2)nNH3]Zn2(hedpH)2Â·2H2O (n= 4, 5, 6) (hedp =) Tj ETQq0 1 0 rgBT /Overlock 10	1.9	71
17	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. ACS Catalysis, 2018, 8, 3895-3902.	5.5	69
18	Novel Coordination Polymer Containing a Mixed Valence Copper(I,II) Phosphonate Unit:â€‰ CuI2CuII(hedpH2)2(4,4â€˜-bpy)2Â·2H2O (hedp = 1-Hydroxyethylidenediphosphonate). Inorganic Chemistry, 2002, 41, 4084-4086.	1.9	68

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19	Lanthanide Diruthenium(II,III) Compounds Showing Layered and PtS-Type Open Framework Structures. Inorganic Chemistry, 2007, 46, 8524-8532.	1.9	68
20	Metamagnetic Copper(II) Diphosphonates with Layered Structures. Chemistry of Materials, 2002, 14, 3143-3147.	3.2	62
21	Dy(III) Single-Ion Magnet Showing Extreme Sensitivity to (De)hydration. Inorganic Chemistry, 2013, 52, 8342-8348.	1.9	60
22	Solvent Responsive Magnetic Dynamics of a Dinuclear Dysprosium Singleâ€Molecule Magnet. Chemistry - A European Journal, 2013, 19, 9619-9628.	1.7	60
23	Tridecanuclear and Docosanuclear Manganese Phosphonate Clusters with Slow Magnetic Relaxation. Inorganic Chemistry, 2007, 46, 5459-5461.	1.9	59
24	Incorporation of Triazacyclononane into the Metal Phosphonate Backbones. Inorganic Chemistry, 2006, 45, 1124-1129.	1.9	57
25	Homochiral Lanthanide Phosphonates with Brick-Wall-Shaped Layer Structures Showing Chiroptical and Catalytical Properties. Inorganic Chemistry, 2009, 48, 1901-1905.	1.9	57
26	[NH3(CH2)4NH3]Fe2[CH3C(OH)(PO3)(PO3H)]2Â·2H2O:Â A Novel Iron(II) Diphosphonate with a Supramolecular Open Network Structure. Inorganic Chemistry, 1999, 38, 4618-4619.	1.9	56
27	Lanthanide phosphonates with pseudo-D_{5h} local symmetry exhibiting magnetic and luminescence bifunctional properties. Inorganic Chemistry Frontiers, 2015, 2, 558-566.	3.0	56
28	[Cu(tn)]3[W(CN)8]2Â·3H2O and [Cu(pn)]3[W(CN)8]2Â·3H2O:Â Two Novel Cu(II)â^'W(V) Cyano-Bridged Two-Dimensional Coordination Polymers with Metamagnetism. Chemistry of Materials, 2003, 15, 2094-2098.	3.2	55
29	Syntheses, Structures, and Magnetic Properties of Mixed-Valent Diruthenium(II,III) Diphosphonates with Discrete and One-Dimensional Structures. Inorganic Chemistry, 2005, 44, 4309-4314.	1.9	54
30	Reversible ONâ€“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.	3.7	54
31	Syntheses and Structures of Transition Metal-hedp Compounds and the Template Influences (hedp =) Tj ETQq1 1 0.784314 rgBT /Ove	3.0	50
32	Mixed-Valent Diruthenium Diphosphonate with KagomÃ© Structure. Inorganic Chemistry, 2005, 44, 6921-6923.	1.9	49
33	Multiple-Step Humidity-Induced Single-Crystal to Single-Crystal Transformations of a Cobalt Phosphonate: Structural and Proton Conductivity Studies. Inorganic Chemistry, 2016, 55, 3706-3712.	1.9	49
34	Cobalt and Manganese Diphosphonates with One-, Two-, and Three-Dimensional Structures and Field-Induced Magnetic Transitions. Inorganic Chemistry, 2011, 50, 2278-2287.	1.9	48
35	A novel Cu(II)-W(V) bimetallic assembly magnet {[Cu(en)2]3[W(CN)8]2Â·H2O}â^ž (enâ€‰=â€‰ethylenediamine) with cube-like W8Cu12 units from a coordinated anion template self-assembly reactionElectronic supplementary information (ESI) available: selected hydrogen bonding parameters in 1 (Table S1) and perspective view showing the three linkages for the title compound (Fig. S1). See http://www.rsc.org/suppdata/nj/b1/b108791f/. New Journal of Chemistry, 2002, 26, 485-489.	1.4	47
36	Polymorphism in Homochiral Zinc Phosphonates. Inorganic Chemistry, 2008, 47, 5525-5527.	1.9	47

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37	Lanthanide salen-type complexes exhibiting single ion magnet and photoluminescent properties. Dalton Transactions, 2016, 45, 2974-2982.	1.6	47
38	Syntheses, crystal structures and magnetic properties of manganese(ii)-hedp compounds involving alkylenediamine templates (hedp = 1-hydroxyethylidene-diphosphonate). Dalton Transactions RSC, 2002, , 2752-2759.	2.3	46
39	Tuning the Spin State of Cobalt in a Coâ€“La Heterometallic Complex through Controllable Coordination Sphere of La. Angewandte Chemie - International Edition, 2011, 50, 5504-5508.	7.2	45
40	A cyano-bridged MnIIMoV bimetallic ferrimagnet with a novel moniliform structure. Dalton Transactions RSC, 2002, , 2805.	2.3	44
41	Template- and pH-Directed Assembly of Diruthenium Diphosphonates with Different Topologies and Oxidation States. Inorganic Chemistry, 2006, 45, 4205-4213.	1.9	44
42	Magnetization Relaxation in a Threeâ€Dimensional Ligated Cobalt Phosphonate Containing Ferrimagnetic Chains. Chemistry - A European Journal, 2011, 17, 3579-3583.	1.7	44
43	Defective Metalâ€“Organic Frameworks Incorporating Iridiumâ€Based Metalloligands: Sorption and Dye Degradation Properties. Chemistry - A European Journal, 2017, 23, 6615-6624.	1.7	44
44	Thermo- and light-triggered reversible interconversion of dysprosiumâ€“anthracene complexes and their responsive optical, magnetic and dielectric properties. Chemical Science, 2021, 12, 929-937.	3.7	43
45	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.	1.4	41
46	Cyclic single-molecule magnets: from the odd-numbered heptanuclear to a dimer of heptanuclear dysprosium clusters. Chemical Communications, 2016, 52, 2314-2317.	2.2	41
47	Copper diphosphonates with zero-, one- and two-dimensional structures: ferrimagnetism in layer compound Cu3(ImhedpH)2Â·2H2O [ImhedpH4 = (1-C3H3N2)CH2C(OH)(PO3H2)2]. Dalton Transactions, 2008, , 5008.	1.6	40
48	Ag(i)-mediated formation of pyrophosphonate coupled with Câ€“C bond cleavage of acetonitrile. Chemical Communications, 2009, , 2893.	2.2	40
49	Tuning the field-induced magnetic transition in a layered cobalt phosphonate by reversible dehydration-hydration process. Chemical Communications, 2009, , 3023.	2.2	40
50	Breathing Effect in a Cobalt Phosphonate upon Dehydration/Rehydration: A Singleâ€Crystalâ€toâ€Singleâ€Crystal Study. Chemistry - A European Journal, 2013, 19, 16394-16402.	1.7	40
51	Lanthanide-based Single Molecule Magnets. Acta Chimica Sinica, 2015, 73, 1091.	0.5	40
52	Template-Directed One- and Two-Dimensional Copper(II) Diphosphonates:Â Structures and Characterizations of (NH4)2Cu3(hedp)2(H2O)4, [NH3(CH2)4NH3]Cu3(hedp)2Â·2H2O, and [NH2(C2H4)2NH2]Cu3(hedp)2(hedp = 1-Hydroxyethylidenediphosphonate). Inorganic Chemistry, 1999, 38, 5061-5066.	1.9	39
53	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.	2.2	39
54	Coupling photo-, mechano- and thermochromism and single-ion-magnetism of two mononuclear dysprosiumâ€“anthraceneâ€“phosphonate complexes. Chemical Communications, 2018, 54, 3278-3281.	2.2	39

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55	Polar metal phosphonate containing unusual Î¼4-OH bridged double chains showing canted antiferromagnetism with large coercivity. Chemical Communications, 2014, 50, 3979.	2.2	37
56	Novel Layered Ruthenium Diphosphonate Containing a Mixed Valent Diruthenium Paddlewheel Core. Inorganic Chemistry, 2003, 42, 2827-2829.	1.9	36
57	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.	1.0	36
58	A luminescent heptanuclear DyIr6 complex showing field-induced slow magnetization relaxation. Chemical Communications, 2014, 50, 8356.	2.2	36
59	Metal phosphonates incorporating metalloligands: assembly, structures and properties. Chemical Communications, 2020, 56, 12090-12108.	2.2	36
60	Chiral expression from molecular to macroscopic level via pH modulation in terbium coordination polymers. Nature Communications, 2017, 8, 2131.	5.8	35
61	Chiral-Layered Metal Phosphonate Formed via Spontaneous Resolution Showing Dehydration-Induced Antiferromagnetic to Ferromagnetic Transformation. Inorganic Chemistry, 2008, 47, 10211-10213.	1.9	34
62	Enhanced Magnetic Hardness in a Nanoscale Metalâ€“Organic Hybrid Ferrimagnet. Chemistry - A European Journal, 2012, 18, 9534-9542.	1.7	33
63	Metal-organic nanotubes: Designs, structures and functions. Coordination Chemistry Reviews, 2020, 403, 213083.	9.5	33
64	Cobalt diphosphonate with a new double chain structure exhibiting field-induced magnetic transition. Dalton Transactions, 2007, , 4681.	1.6	32
65	A Racemic Polar Cobalt Phosphonate with Weak Ferromagnetism. Chemistry - A European Journal, 2012, 18, 10839-10842.	1.7	32
66	Hofmann Metalâ€“Organic Framework Monolayer Nanosheets as an Axial Coordination Platform for Biosensing. ACS Applied Materials & Interfaces, 2019, 11, 12986-12992.	4.0	32
67	Lanthanide anthracene complexes: slow magnetic relaxation and luminescence in Dy^{III}, Er^{III} and Yb^{III} based materials. Dalton Transactions, 2019, 48, 2735-2740.	1.6	32
68	Syntheses, structures and magnetic properties of two copper(Ii) diphosphonates: [NH3(CH2)2NH3]2[Cu2(hedp)2]Â·H2O and [NH3CH(CH3)CH2NH3]2[Cu2(hedp)2] (hedp =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217	2.8	31
69	Synthesis, crystal structure and magnetic properties of a CuIIâ€“WV/IVbimetallic complex with a novel open framework structure. Dalton Transactions, 2003, , 3283-3287.	1.6	31
70	Homochiral zinc phosphonates with layered and open framework structures using polycarboxylate as second linkers. Dalton Transactions, 2009, , 9837.	1.6	31
71	Supramolecular Isomerism of Oneâ€Dimensional Copper(II) Phosphonate and Its Influence on the Magnetic Properties. ChemPlusChem, 2012, 77, 1087-1095.	1.3	31
72	[M(OOCC6H4PO3H)(H2O)] (M(II) = Mn, Co, Ni): layered metal phosphonates showing variable magnetic behavior. CrystEngComm, 2009, 11, 1255.	1.3	30

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73	Co3(2-OOCC6H4PO3)2(H2O)3Â·H2O: A layered metal phosphonate showing reversible dehydrationâ€“rehydration behavior and ferrimagnetism. Dalton Transactions, 2011, 40, 1307.	1.6	29
74	Crystal structures and magnetic properties of two octacyanometalate-based tungstate(v)â€“copper(ii) bimetallic assemblies. New Journal of Chemistry, 2002, 26, 1190-1195.	1.4	28
75	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.	1.5	28
76	Layered copper compounds based on 4-(3-bromothienyl)phosphonate (BTP): weak ferromagnetism observed in [Cu2(4,4â€²-bpy)0.5(BTP)2]Â·H2O. Dalton Transactions, 2009, , 8548.	1.6	28
77	pH-controlled polymorphism in a layered dysprosium phosphonate and its impact on the magnetization relaxation. Chemical Communications, 2015, 51, 2649-2652.	2.2	28
78	Chiral metal phosphonates: assembly, structures and functions. Science China Chemistry, 2020, 63, 619-636.	4.2	27
79	Anhydrous Superprotonic Conductivity of a Uranyl-Based MOF from Ambient Temperature to 110 Â°C. , 2021, 3, 744-751.		27
80	Homochiral Cobalt Phosphonates Containing Î”â€Type Chains with a Tunable Interlayer Distance and a Fieldâ€Induced Phase Transition. Chemistry - A European Journal, 2014, 20, 17137-17142.	1.7	26
81	Homochiral metal phosphonate nanotubes. Chemical Communications, 2015, 51, 15141-15144.	2.2	26
82	Zn3(4-OOCC6H4PO3)2: A polar metal phosphonate with pillared layered structure showing SHG-activity and large dielectric anisotropy. Dalton Transactions, 2010, 39, 8606.	1.6	25
83	Homochiral iron(ii)-based metalâ€“organic nanotubes: metamagnetism and selective nitric oxide adsorption in a confined channel. Chemical Communications, 2019, 55, 2825-2828.	2.2	25
84	Clusterâ€Bridgingâ€Coordinated Bimetallic Metalâ^'Organic Framework as Highâ€Performance Anode Material for Lithiumâ€Ion Storage. Small Structures, 2021, 2, 2100122.	6.9	25
85	Interplay of anthracene luminescence and dysprosium magnetism by steric control of photodimerization. Dalton Transactions, 2019, 48, 13769-13779.	1.6	24
86	Synergetic magnetic and luminescence switching via solid state phase transitions of the dysprosiumâ€“dianthracene complex. Journal of Materials Chemistry C, 2020, 8, 7369-7377.	2.7	24
87	Synthesis and characterization of two metal phosphonates with 3D structures: Cui2Cull[(3-C5H4N)CH(OH)PO3]2 and Zn[(3-C5H4N)CH(OH)PO3]. New Journal of Chemistry, 2005, 29, 721.	1.4	23
88	LiF-assisted crystallization of zinc 4-carboxyphenylphosphonates with pillared layered structures. CrystEngComm, 2009, 11, 1674.	1.3	23
89	Luminescent Ir(<scp>iii</scp>)â€“Ln(<scp>iii</scp>) coordination polymers showing slow magnetization relaxation. Inorganic Chemistry Frontiers, 2020, 7, 4580-4592.	3.0	23
90	Syntheses and Structures of Layered Copper(II) Diphosphonates with Mixed Ligands. European Journal of Inorganic Chemistry, 2003, 2003, 726-730.	1.0	22

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91	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.	1.6	22
92	Diruthenium(<scp>iii</scp>,<scp>iii</scp>) diphosphonate with a spin ground state S = 2. Dalton Transactions, 2013, 42, 3429-3433.	1.6	22
93	Chemically Exfoliated Semiconducting Bimetallic Porphyrinylphosphonate Metalâ€“Organic Layers for Photocatalytic CO₂ Reduction under Visible Light. ACS Applied Energy Materials, 2021, 4, 4319-4326.	2.5	22
94	Heterometallic 3dâ€“4f Coordination Polymers Based on 1,4,7-Triazacyclononane-1,4,7-triyl-tris(methylenephosphonate). Inorganic Chemistry, 2014, 53, 6042-6047.	1.9	21
95	Enantiopure phosphonic acids as chiral inducers: homochiral crystallization of cobalt coordination polymers showing field-induced slow magnetization relaxation. Chemical Communications, 2016, 52, 6877-6880.	2.2	21
96	Exfoliated layered copper phosphonate showing enhanced adsorption capability towards Pb ions. Chemical Communications, 2014, 50, 10622.	2.2	20
97	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.	3.0	20
98	Polymorphic Lanthanide Phosphonates Showing Distinct Magnetic Behavior. Inorganic Chemistry, 2016, 55, 5297-5304.	1.9	19
99	Metalâ€“Metalloligand Coordination Polymer Embedding Triangular Cobaltâ€“Oxo Clusters: Solvent- and Temperature-Induced Crystal to Crystal Transformations and Associated Magnetism. Inorganic Chemistry, 2020, 59, 8935-8945.	1.9	19
100	Cyclic Lanthanide-based Molecular Clusters: Assembly and Single Molecule Magnet Behavior. Acta Chimica Sinica, 2020, 78, 34.	0.5	19
101	Mixed-valent manganese phosphonate clusters prepared under microwave-assisted and ambient conditions. Dalton Transactions, 2009, , 5029.	1.6	18
102	Homochiral mononuclear Dy-Schiff base complexes showing field-induced double magnetic relaxation processes. Dalton Transactions, 2016, 45, 690-695.	1.6	18
103	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.	1.8	17
104	Chiralityâ€•and pHâ€€Controlled Supramolecular Isomerism in Cobalt Phosphonates and Its Impact on the Magnetic Behavior. Chemistry - A European Journal, 2015, 21, 17336-17343.	1.7	17
105	Formation Mechanism and Reversible Expansion and Shrinkage of Magnesiumâ€Based Homochiral Metalâ€“Organic Nanotubes. Chemistry - A European Journal, 2017, 23, 1086-1092.	1.7	17
106	Counteranion Modulated Crystal Growth and Function of One-Dimensional Homochiral Coordination Polymers: Morphology, Structures, and Magnetic Properties. Inorganic Chemistry, 2018, 57, 12143-12154.	1.9	17
107	Microwave-assisted hydrothermal syntheses of metal phosphonates with layered and framework structures. Dalton Transactions, 2007, , 4222.	1.6	16
108	Lanthanide Carboxyphosphonates Ln(O3PCH2â^'NC5H9â^'COO)(H2O)2Â·xH2O with Open Framework Structures Containing Parallelogram-like Channels. Crystal Growth and Design, 2009, 9, 4445-4449.	1.4	16

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109	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.	4.8	16
110	Field-induced slow magnetic relaxation in low-spin S = 1/2 mononuclear osmium(<scp>v</scp>) complexes. Dalton Transactions, 2020, 49, 4084-4092.	1.6	16
111	Isostructural lanthanide oxalatophosphonates Ln(5pm8hqH3)(C2O4)1.5(H2O)Â·2H2O [Ln(iii) = Eu, Gd, Tb, Dy] (5pm8hqH3 = 5-phosphonomethyl-8-hydroxyquinoline): structures, magnetic and fluorescent properties. RSC Advances, 2012, 2, 6680.	1.7	15
112	Enlarging the ring by incorporating a phosphonate coligand: from the cyclic hexanuclear to octanuclear dysprosium clusters. Dalton Transactions, 2015, 44, 14208-14212.	1.6	15
113	Na₂Ir^{IV}Cl₆: Spinâ€“Orbital-Induced Semiconductor Showing Hydration-Dependent Structural and Magnetic Variations. Inorganic Chemistry, 2018, 57, 13252-13258.	1.9	15
114	Two- and Three-Dimensional Heterometallic Ln[Ru2-Î±-Ammonium Diphosphonate] Nets: Structures, Porosity, Magnetism, and Proton Conductivity. Inorganic Chemistry, 2019, 58, 14034-14045.	1.9	15
115	Polymorphic layered copper phosphonates: exfoliation and proton conductivity studies. Dalton Transactions, 2019, 48, 6539-6545.	1.6	15
116	From a layered iridium(<scp>iii</scp>)â€“cobalt(<scp>ii</scp>) organophosphonate to an efficient oxygen-evolution-reaction electrocatalyst. Chemical Communications, 2019, 55, 13920-13923.	2.2	15
117	{M(C5H4N)CH(OH)PO3}(H2O)Â(M = Mn, Fe, Co): layered compounds based on [hydroxy(4-pyridyl)methyl]phosphonate. Dalton Transactions, 2003, , 953-956.	1.6	14
118	Lanthanide oxalatophosphonates with two- and three-dimensional structures. Journal of Solid State Chemistry, 2010, 183, 1159-1164.	1.4	14
119	Metal diphosphonates with double-layer and pillared layered structures based on N-cyclohexylaminomethanediphosphonate. Journal of Solid State Chemistry, 2010, 183, 1588-1594.	1.4	14
120	Iridium-lanthanide complexes: Structures, properties and applications. Coordination Chemistry Reviews, 2022, 456, 214367.	9.5	14
121	Proton Conductivities Manipulated by the Counter-Anions in 2D Co-Ca Coordination Frameworks. European Journal of Inorganic Chemistry, 2016, 2016, 4476-4482.	1.0	13
122	Reversible SCâ€“SC Transformation involving [4+4] Cycloaddition of Anthracene: A Singleâ€Ion to Singleâ€Molecule Magnet and Yellowâ€Green to Blueâ€White Emission. Angewandte Chemie, 2018, 130, 8713-8717.	1.6	13
123	Homochiral Erbium Coordination Polymers: Salt-Assisted Conversion from Triple to Quadruple Helices. Crystal Growth and Design, 2018, 18, 4045-4053.	1.4	13
124	Cyclic Singleâ€Molecule Magnets: From Evenâ€Numbered Hexanuclear to Oddâ€Numbered Heptanuclear Dysprosium Clusters. European Journal of Inorganic Chemistry, 2016, 2016, 3184-3190.	1.0	12
125	Dysprosiumâ€“dianthracene framework showing thermo-responsive magnetic and luminescence properties. Journal of Materials Chemistry C, 2021, 9, 10749-10758.	2.7	12
126	Controllable Macroscopic Chirality of Coordination Polymers through pH and Anionâ€Mediated Weak Interactions. Chemistry - A European Journal, 2021, 27, 16722-16734.	1.7	12

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127	Modulating the microporosity of cobalt phosphonates via positional isomerism of co-linkers. CrystEngComm, 2015, 17, 8926-8932.	1.3	11
128	Enantioenriched Cobalt Phosphonate Containing Î”-Type Chains and Showing Slow Magnetization Relaxation. Inorganic Chemistry, 2016, 55, 9521-9523.	1.9	11
129	Cyclometalated Iridium(III) Complexes Incorporating Aromatic Phosphonate Ligands: Syntheses, Structures, and Tunable Optical Properties. ACS Omega, 2019, 4, 16543-16550.	1.6	11
130	Thermo-induced structural transformation with synergistic optical and magnetic changes in ytterbium and erbium complexes. Chinese Chemical Letters, 2021, 32, 1519-1522.	4.8	11
131	Photocontrollable Magnetism and Photoluminescence in a Binuclear Dysprosium Anthracene Complex. Inorganic Chemistry, 2023, 62, 1864-1874.	1.9	11
132	Racemic metal phosphonates based on 1-phosphonomethyl-2-benzimidazol-piperidine. CrystEngComm, 2013, 15, 10316.	1.3	10
133	Incorporating Paramagnetic Ir^{IV}Cl₆^{2â€“} in H-Bonded Networks of Metal-Phosphonate Hydrate: Slow Magnetic Relaxation and Proton Conduction. Crystal Growth and Design, 2019, 19, 4836-4843.	1.4	10
134	Layer or Tube? Uncovering Key Factors Determining the Rolling-up of Layered Coordination Polymers. Journal of the American Chemical Society, 2021, 143, 17587-17598.	6.6	10
135	Copper and cadmium phosphonates based on 2-quinolinephosphonate. Solid State Sciences, 2007, 9, 686-692.	1.5	9
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