

Zhenxia Chen

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ext. papers

9,518
ext. citations

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L-index

#	Paper	IF	Citations
172	A Family of Highly Ordered Mesoporous Polymer Resin and Carbon Structures from Organic/Organic Self-Assembly. <i>Chemistry of Materials</i> , 2006 , 18, 4447-4464	9.6	931
171	A luminescent mixed-lanthanide metal-organic framework thermometer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3979-82	16.4	896
170	Triconstituent co-assembly to ordered mesostructured polymer-silica and carbon-silica nanocomposites and large-pore mesoporous carbons with high surface areas. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11652-62	16.4	539
169	Single-molecular artificial transmembrane water channels. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8384-7	16.4	336
168	A metal-organic framework with optimized open metal sites and pore spaces for high methane storage at room temperature. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3178-81	16.4	321
167	Design and generation of extended zeolitic metal-organic frameworks (ZMOFs): synthesis and crystal structures of zinc(II) imidazolate polymers with zeolitic topologies. <i>Chemistry - A European Journal</i> , 2007 , 13, 4146-54	4.8	315
166	Selective artificial transmembrane channels for protons by formation of water wires. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12564-8	16.4	305
165	Highly effective binding of neutral dinitriles by simple pillar[5]arenes. <i>Chemical Communications</i> , 2012 , 48, 2967-9	5.8	263
164	An Aqueous Cooperative Assembly Route To Synthesize Ordered Mesoporous Carbons with Controlled Structures and Morphology. <i>Chemistry of Materials</i> , 2006 , 18, 5279-5288	9.6	226
163	QMOF-1 and QMOF-2: three-dimensional metal-organic open frameworks with a quartzlike topology. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4471-3	16.4	203
162	Pillar[n]arenes (n = 8-10) with two cavities: synthesis, structures and complexing properties. <i>Chemical Communications</i> , 2012 , 48, 10999-1001	5.8	154
161	Synthesis of pillar[5]arene dimers and their cooperative binding toward some neutral guests. <i>Organic Letters</i> , 2012 , 14, 42-5	6.2	143
160	A Large 24-Membered-Ring Germanate Zeolite-Type Open-Framework Structure with Three-Dimensional Intersecting Channels. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2166-2168	16.4	134
159	Cadmium imidazolate frameworks with polymorphism, high thermal stability, and a large surface area. <i>Chemistry - A European Journal</i> , 2010 , 16, 1137-41	4.8	132
158	Anionic surfactant induced mesophase transformation to synthesize highly ordered large-pore mesoporous silica structures. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1511		123
157	Three-dimensional pillar-layered copper(II) metal-organic framework with immobilized functional OH groups on pore surfaces for highly selective CO ₂ /CH ₄ and C ₂ H ₂ /CH ₄ gas sorption at room temperature. <i>Inorganic Chemistry</i> , 2011 , 50, 3442-6	5.1	111
156	Two polymorphs of cobalt(II) imidazolate polymers synthesized solvothermally by using one organic template N,N-dimethylacetamide. <i>Inorganic Chemistry</i> , 2004 , 43, 4631-5	5.1	100

155	Pore structures of ordered large cage-type mesoporous silica FDU-12s. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21467-72	3.4	93
154	Selective and effective binding of pillar[5,6]arenes toward secondary ammonium salts with a weakly coordinating counteranion. <i>Organic Letters</i> , 2012 , 14, 4126-9	6.2	92
153	A Microporous Metal-Organic Framework with Immobilized OH Functional Groups within the Pore Surfaces for Selective Gas Sorption. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3745-3749	2.3	92
152	Heterolytic cleavage of dihydrogen by "frustrated Lewis pairs" comprising bis(2,4,6-tris(trifluoromethyl)phenyl)borane and amines: stepwise versus concerted mechanism. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12227-31	16.4	91
151	Reversible Two-Dimensional to Three Dimensional Framework Transformation within a Prototype Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2009 , 9, 5293-5296	3.5	91
150	Self-assembly and proton conductance of organic nanotubes from pillar[5]arenes. <i>Tetrahedron Letters</i> , 2011 , 52, 2484-2487	2	91
149	The marriage of endo-cavity and exo-wall complexation provides a facile strategy for supramolecular polymerization. <i>Chemical Communications</i> , 2015 , 51, 3434-7	5.8	77
148	A porous metal-organic framework constructed from carboxylate-pyrazolate shared heptanuclear zinc clusters: synthesis, gas adsorption, and guest-dependent luminescent properties. <i>Inorganic Chemistry</i> , 2013 , 52, 10368-74	5.1	75
147	Silica-templated synthesis of ordered mesoporous tungsten carbide/graphitic carbon composites with nanocrystalline walls and high surface areas via a temperature-programmed carburization route. <i>Small</i> , 2009 , 5, 2738-49	11	69
146	Selective Artificial Transmembrane Channels for Protons by Formation of Water Wires. <i>Angewandte Chemie</i> , 2011 , 123, 12772-12776	3.6	68
145	Construction of 3D layer-pillared homoligand coordination polymers from a 2D layered precursor. <i>Inorganic Chemistry</i> , 2006 , 45, 8677-84	5.1	67
144	Hydrogen-bonding 2D metal-organic solids as highly robust and efficient heterogeneous green catalysts for Biginelli reaction. <i>Tetrahedron Letters</i> , 2011 , 52, 6220-6222	2	63
143	Mixed-Solvothermal Syntheses and Structures of Six New Zinc Phosphonocarboxylates with Zeolite-type and Pillar-Layered Frameworks. <i>Crystal Growth and Design</i> , 2008 , 8, 4045-4053	3.5	62
142	Two novel lanthanide 1-D chain coordination polymers of pyridinedicarboxylic acids: hydrothermal synthesis, structure and luminescent properties. <i>Journal of Molecular Structure</i> , 2005 , 750, 101-108	3.4	59
141	Crystal transformation synthesis of a highly stable phosphonate MOF for selective adsorption of CO ₂ . <i>CrystEngComm</i> , 2013 , 15, 2040-2043	3.3	58
140	A rutile-type porous zinc(II)-phosphonocarboxylate framework: local proton transfer and size-selected catalysis. <i>Chemical Communications</i> , 2010 , 46, 1100-2	5.8	58
139	Hydrothermal synthesis, crystal structure and luminescence of four novel metal-organic frameworks. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 4037-4046	3.3	57
138	Different crystal structure and photophysical properties of lanthanide complexes with 5-bromonicotinic acid. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3805-3814	3.3	57

137	Activation of bis(guanidinate)lanthanide alkyl and aryl complexes on elemental sulfur: synthesis and characterization of bis(guanidinate)lanthanide thiolates and disulfides. <i>Inorganic Chemistry</i> , 2010 , 49, 5715-22	5.1	55
136	Significantly Enhanced CO ₂ /CH ₄ Separation Selectivity within a 3D Prototype Metal-Organic Framework Functionalized with OH Groups on Pore Surfaces at Room Temperature. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2227-2231	2.3	52
135	Controllable one-step synthesis of spirocycles, polycycles, and di- and tetrahydronaphthalenes from aryl-substituted propargylic alcohols. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6845-8	4.2	52
134	Unprecedented highly efficient capture of glycopeptides by FeO@Mg-MOF-74 core-shell nanoparticles. <i>Chemical Communications</i> , 2017 , 53, 4018-4021	5.8	51
133	Multiple N-H Bond Activation: Synthesis and Reactivity of Functionalized Primary Amido Ytterbium Complexes. <i>Organometallics</i> , 2007 , 26, 1934-1946	3.8	51
132	Enhancing CO ₂ adsorption of a Zn-phosphonocarboxylate framework by pore space partitions. <i>Chemical Communications</i> , 2013 , 49, 78-80	5.8	50
131	A New Multidentate Hexacarboxylic Acid for the Construction of Porous Metal-Organic Frameworks of Diverse Structures and Porosities. <i>Crystal Growth and Design</i> , 2010 , 10, 2775-2779	3.5	47
130	Facile Transformations of Lanthanocene Alkyls to Lanthanocene Thiolate, Sulfide, and Disulfide Derivatives by Reaction with Elemental Sulfur. <i>Organometallics</i> , 2005 , 24, 1982-1988	3.8	47
129	A zinc(II) metal-organic framework based on triazole and dicarboxylate ligands for selective adsorption of hexane isomers. <i>Chemical Communications</i> , 2011 , 47, 7197-9	5.8	44
128	Synthesis, Structural Characterization, and Reactivity of Mono(amidinate) Rare-Earth-Metal Bis(aminobenzyl) Complexes. <i>Organometallics</i> , 2013 , 32, 7312-7322	3.8	42
127	Insertion of Isocyanate and Isothiocyanate into the Ln-B Bond of Organolanthanide Phosphides. <i>Organometallics</i> , 2011 , 30, 5809-5814	3.8	42
126	Synthesis and Structure of a New 3D Porous Cu(II)Benzene-1,3,5-tricarboxylate Coordination Polymer, [Cu ₂ (OH)(BTC)(H ₂ O)] _n ·2nH ₂ O. <i>Chemistry Letters</i> , 2003 , 32, 590-591	1.7	42
125	Synthesis, structures, and reactivity of yttrium alkyl and alkynyl complexes with mixed Tp(Me ₂)/Cp ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 11813-24	5.1	41
124	A zeolite-like zinc phosphonocarboxylate framework and its transformation into two- and three-dimensional structures. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1549-54	4.5	41
123	A novel quaternary dinuclear luminescent terbium complex Tb ₂ (phth) ₂ (Hphth) ₂ (phen) ₂ (H ₂ O) ₄ : hydrothermal synthesis, crystal structure and photophysics. <i>Journal of Molecular Structure</i> , 2004 , 694, 115-120	3.4	40
122	A highly stable indium phosphonocarboxylate framework as a multifunctional sensor for Cu(2+) and methylviologen ions. <i>Dalton Transactions</i> , 2015 , 44, 3794-800	4.3	37
121	Frustrated Lewis pair induced boroauration of terminal alkynes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12047-50	16.4	37
120	Two Novel Zinc(II) Metal-Organic Frameworks Based on Triazole-Carboxylate Shared Paddle-Wheel Units: Synthesis, Structure, and Gas Adsorption. <i>Crystal Growth and Design</i> , 2011 , 11, 2811-2816	3.5	37

- 119 A Metal-Organic Framework with Optimized Open Metal Sites and Pore Spaces for High Methane Storage at Room Temperature. *Angewandte Chemie*, **2011**, 123, 3236-3239 3.6 36
- 118 Heterolytic Cleavage of Dihydrogen by Frustrated Lewis Pairs Comprising Bis(2,4,6-tris(trifluoromethyl)phenyl)borane and Amines: Stepwise versus Concerted Mechanism. *Angewandte Chemie*, **2011**, 123, 12435-12439 3.6 35
- 117 Synthesis, Structural Characterization, and Reactivity of Lanthanide Complexes Containing a New Methylene-Bridged Indenyl-Pyrrolyl Dianionic Ligand. *Organometallics*, **2006**, 25, 5165-5172 3.8 35
- 116 Synthesis of isorecticular zinc(II)-phosphonocarboxylate frameworks and their application in the Friedel-Crafts benzylation reaction. *Chemistry - A European Journal*, **2011**, 17, 10323-8 4.8 34
- 115 Facile construction of lanthanide metallomacrocycles with the bridging imidazolate and triazolate ligands and their ring expansions. *Inorganic Chemistry*, **2007**, 46, 321-7 5.1 32
- 114 Supramolecular Isomerism of Metal-Organic Frameworks Derived from a Bicarboxylate Linker with Two Distinct Binding Motifs. *Crystal Growth and Design*, **2009**, 9, 1505-1510 3.5 31
- 113 Reactivity of lanthanocene hydroxides toward ketene, isocyanate, lanthanocene alkyl, and triscyclopentadienyllanthanide complexes. *Inorganic Chemistry*, **2006**, 45, 5867-77 5.1 31
- 112 A novel green phosphorescent silver(I) coordination polymer with three-fold interpenetrated CdSO₄-type net generated via in situ reaction. *CrystEngComm*, **2011**, 13, 1504-1508 3.3 30
- 111 Two-step synthesis, structure and adsorption property of a dynamic zinc phosphonocarboxylate framework. *CrystEngComm*, **2011**, 13, 3378 3.3 30
- 110 1,2,4-Diazaphospholide complexes of samarium(III). *Inorganic Chemistry*, **2008**, 47, 9739-41 5.1 30
- 109 Synthesis, structure and luminescence of novel 1D chain coordination polymers [Ln(isophth)(Hisophth)(H₂O)₄·4H₂O]_n (Ln=Sm, Dy). *Journal of Molecular Structure*, **2005**, 741, 141-147 3.4 30
- 108 Synthesis and reactivity of organolanthanide complexes containing phenothiazine ligand toward carbodiimide and isothiocyanate. *Journal of Organometallic Chemistry*, **2005**, 690, 4926-4932 2.3 30
- 107 [Cu(im)]_n Is this Air-Stable Copper(I) Imidazolate (8210)-Net Polymer the Species Responsible for the Corrosion-Inhibiting Properties of Imidazole with Copper Metal?. *European Journal of Inorganic Chemistry*, **2004**, 2004, 1813-1816 2.3 29
- 106 Hydrothermal synthesis of new beryllborophosphates MIBeBPO (Ml=K⁺, Na⁺ and NH₄⁺) with zeolite ANA framework topology. *Microporous and Mesoporous Materials*, **2003**, 57, 309-316 5.3 29
- 105 Synthesis and crystal structures of four pH-dependent Pb(II) and Cd(II) phosphonates based on a novel ligand, 3-phosphono-benzoic acid. *Inorganica Chimica Acta*, **2009**, 362, 2101-2107 2.7 27
- 104 A three-dimensional structure built of paddle-wheel and triazolate-dinuclear metal clusters: synthesis, deformation and reformation of paddle-wheel unit in the single-crystal-to-single-crystal transformation. *CrystEngComm*, **2013**, 15, 7031 3.3 26
- 103 Structural diversity of 1,2,4-diazaphospholide complexes with alkali metals. *Chemical Communications*, **2008**, 2266-8 5.8 26
- 102 Selective reaction based on the linked diamido ligands of dinuclear lanthanide complexes. *Inorganic Chemistry*, **2007**, 46, 5252-9 5.1 26

101	Reactivity of Organolanthanide Derivatives Containing the o-Aminothiophenolate Ligand toward Carbodiimide. <i>Organometallics</i> , 2006 , 25, 4571-4578	3.8	26
100	Insertion Reaction of Ketene into the Metal-Sulfur Bond: Synthesis and Characterization of [Cp ₂ Ln(THF) ₂ (OC(Se)CPh ₂)] ₂ (Ln = Yb, Er, Sm, Y) and [Cp ₂ Er(THF) ₂ (OC(Se)CPhEt)] ₂ . <i>Organometallics</i> , 2004 , 23, 3246-3251	3.8	26
99	Pillar[5]arenes with an introverted amino group: a hydrogen bonding tuning effect. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 248-51	3.9	24
98	Novel iso-reticular Zn(II) metal-organic frameworks constructed by trinuclear-triangular and paddle-wheel units: synthesis, structure and gas adsorption. <i>Dalton Transactions</i> , 2012 , 41, 4007-11	4.3	24
97	Versatile Reactivity of Scorpionate-Anchored Yttrium-Dialkyl Complexes towards Unsaturated Substrates. <i>Chemistry - A European Journal</i> , 2013 , 19, 11975-83	4.8	24
96	One-dimensional (1D) helical and 2D homochiral metal-organic frameworks built from a new chiral octahydrobinaphthalene-derived dicarboxylic acid. <i>Inorganic Chemistry Communication</i> , 2008 , 11, 948-950 ¹	4.1	24
95	Synthesis, structure, and catalytic activity of palladium complexes with new chiral cyclohexane-1,2-based di-NHC-ligands. <i>Journal of Organometallic Chemistry</i> , 2012 , 700, 223-229	2.3	23
94	[C ₆ N ₄ H ₂₄]CoBe ₆ P ₆ O ₂₄ ·3H ₂ O: a novel 3-dimensional beryllophosphate zeolite-like structure encapsulating CoII ions. <i>Journal of Materials Chemistry</i> , 2002 , 12, 658-662		23
93	Metal complexes as templates: syntheses, structures, and luminescent properties of two zinc phosphonocarboxylates with ABW-zeolite topology. <i>Dalton Transactions</i> , 2012 , 41, 4079-83	4.3	22
92	Synthesis and structural characterization of lanthanide complexes with the di- or tri-anionic diguanidinate ligand: new insight into the flexibility and distinct reactivity of the linked diguanidinate ligand. <i>Chemical Communications</i> , 2007 , 2190-2	5.8	22
91	Preparation of mononuclear, homodinuclear, and heterotrimeric complexes by salicylaldiminato-functionalized imidazolium salt: approach to multifunctional catalysts. <i>Chemistry - A European Journal</i> , 2011 , 17, 11041-51	4.8	21
90	Synthesis and structures of titanium and yttrium complexes with N,N'-tetramethylguanidinate ligands: different reactivity of the M-N bonds toward phenyl isocyanate. <i>Dalton Transactions</i> , 2009 , 1806-11	4.3	21
89	A Series of Metal-Organic Frameworks Built of Triazolate-Trinuclear and Paddlewheel Units: Solid-Solution Framework Approach for Optimizing CO ₂ Adsorption and Separation. <i>Crystal Growth and Design</i> , 2015 , 15, 5794-5801	3.5	20
88	Reactivity of Scorpionate-Anchored Yttrium Alkyl Complex toward Organic Nitriles. <i>Organometallics</i> , 2012 , 31, 7213-7221	3.8	20
87	Facile construction of a novel aminoquinazolinolate anionic ligand through organolanthanide-mediated intermolecular nucleophilic addition/cyclization of anthranilonitrile. <i>Inorganic Chemistry</i> , 2008 , 47, 5552-4	5.1	20
86	End-End Connection Pattern of Trinuclear-Triangular Copper Cluster for Construction of Two Metal-Organic Frameworks: Syntheses, Structures, Magnetic and Gas Adsorption Properties. <i>Crystal Growth and Design</i> , 2015 , 15, 1526-1534	3.5	19
85	Me-Si bond cleavage of anionic bis(trimethylsilyl)amide in scorpionate-anchored rare earth metal complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 10631-8	5.1	19
84	1,2,4-Diazaphospholide complexes of tin(II): from nitride stannylene to stannylene ammonium ions. <i>Chemistry - A European Journal</i> , 2009 , 15, 6581-5	4.8	19

83	Synthesis of a new organically templated zeolite-like zirconogermanate (C ₄ N ₂ H ₁₂)[ZrGe ₄ O ₁₀ F ₂] with cavansite topology. <i>Journal of Materials Chemistry</i> , 2003 , 13, 308-311		19
82	Oxidation and coupling of β-diketiminato ligand in lanthanide complexes: novel eight-nuclear lanthanide clusters with μ ₃ -Cl, and μ ₃ -O bridge. <i>Dalton Transactions</i> , 2012 , 41, 357-9	4-3	18
81	1,2,4-Diazaphospholide complexes of barium: mechanism of formation and crystallographic characterization. <i>Inorganic Chemistry</i> , 2009 , 48, 2967-75	5-1	18
80	Synthesis of two luminescent coordination polymers based on self-assembly of Zn(II) with polycarboxylic acids ligands and heteroaromatic N-donor. <i>Applied Organometallic Chemistry</i> , 2006 , 20, 44-50	3-1	18
79	A flexible porous metal-azolate framework constructed by [Cu ₃ (β-OH)(μ-O)(triazolate) ₂] ⁺ building blocks: synthesis, reversible structural transformation and related magnetic properties. <i>CrystEngComm</i> , 2013 , 15, 3484	3-3	17
78	A new family of dimeric lanthanide (III) complexes: Synthesis, structures and photophysical property. <i>Journal of Molecular Structure</i> , 2007 , 871, 59-66	3-4	17
77	Hydrothermal synthesis and crystal structure of a novel luminescent europium complex of 2,5-pyridinedicarboxylic acid. <i>Journal of Coordination Chemistry</i> , 2005 , 58, 811-816	1-6	17
76	Room temperature C-N bond cleavage of anionic guanidinate ligand in rare-earth metal complexes. <i>Dalton Transactions</i> , 2013 , 42, 5826-31	4-3	16
75	Cation-Exchange Approach to Tuning the Flexibility of a Metal-Organic Framework for Gated Adsorption. <i>Inorganic Chemistry</i> , 2017 , 56, 5069-5075	5-1	15
74	Synthesis of Potassium-Magnesium Ate Complexes with a Bulky Diamido Ligand. <i>Organometallics</i> , 2009 , 28, 5281-5284	3-8	15
73	Facile construction of the guanidine substituent or guanidinate anionic ligand through addition of the adjacent amino group to carbodiimide. <i>Dalton Transactions</i> , 2009 , 3298-305	4-3	15
72	Synthesis and characterization of a novel organically templated open framework zirconogermanate with three- and seven-membered rings. <i>Inorganic Chemistry</i> , 2003 , 42, 5960-5	5-1	15
71	Hydrothermal synthesis of two layered indium oxalates with 12-membered apertures. <i>Journal of Solid State Chemistry</i> , 2003 , 173, 435-441	3-3	15
70	Synthesis, structure and reactivity of dinuclear rare earth metal bis(o-aminobenzyl) complexes bearing a 1,4-phenylenediamidinate co-ligand. <i>Dalton Transactions</i> , 2013 , 42, 8288-97	4-3	14
69	Frustrated Lewis Pair Induced Boroauration of Terminal Alkynes. <i>Angewandte Chemie</i> , 2012 , 124, 12213-12216	3-2	14
68	Synthesis of mixed Cp/Tp(Me ₂) lanthanide complexes from lanthanocene precursors and their structures and reactivities. <i>Inorganic Chemistry</i> , 2009 , 48, 1774-81	5-1	14
67	Unprecedented trinodal four-connected FRL MOF based on mixed ligands. <i>Dalton Transactions</i> , 2009 , 4847-9	4-3	14
66	Synthesis, structure, and adsorption properties of a three-dimensional porous yttrium-organic coordination network. <i>Microporous and Mesoporous Materials</i> , 2007 , 98, 16-20	5-3	14

- 65 Syntheses, structures and magnetic properties of two isostructural metal-phosphonate frameworks. *Inorganica Chimica Acta*, **2013**, 402, 104-108 2.7 13
- 64 Solvothermal in situ synthesis of cyanide-containing ternary silver(I) coordination polymers and their phosphorescent properties. *CrystEngComm*, **2012**, 14, 1425-1431 3.3 13
- 63 Systematic exploration of a rutile-type zinc(II)-phosphonocarboxylate open framework: the factors that influence the structure. *Dalton Transactions*, **2010**, 39, 10712-8 4.3 13
- 62 Facile construction of novel organolanthanide square-planar macrocycles through addition of carbodiimide to an amino group. *Dalton Transactions*, **2007**, 2718-22 4.3 13
- 61 Synthesis and characterization of nickel phosphonopropionate hybrid materials. *Inorganic Chemistry Communication*, **2007**, 10, 447-450 3.1 13
- 60 Synthesis and crystal structure of a novel luminescent zinc complex of 2-benzoylbenzoic acid. *Journal of Coordination Chemistry*, **2005**, 58, 1417-1421 1.6 13
- 59 An Yttrium Organic cyclo-P Complex and Its Selective Conversions. *Inorganic Chemistry*, **2019**, 58, 8451-8459 12
- 58 Reactivity of Scorpionate-Anchored Yttrium Alkyl Primary Amido Complexes toward Carbodiimides. Insertion Selectivity of Y-NiHAr and Y-C-H2Ph Bonds. *Organometallics*, **2013**, 32, 5409-5415 3.8 12
- 57 Facile Synthesis of Organolanthanide Hydrides with Metallic Potassium: Crystal Structures and Reactivity. *Organometallics*, **2011**, 30, 4320-4324 3.8 12
- 56 Insertion reaction of elemental sulfur into the Ln-C bond: Synthesis and characterization of [(C5H4SiMe2tBu)2Ln(ESR)]2 (R=Me, Ln=Yb, Er, Dy, Y; R=nBu, Ln=Yb, Dy). *Polyhedron*, **2007**, 26, 4986-4992 2.7 12
- 55 Controllable preparation and structures of two zinc phosphonocarboxylate frameworks with MER and RHO zeolitic topologies. *CrystEngComm*, **2013**, 15, 7056 3.3 11
- 54 Alkaline earth metal-organic frameworks supported by ditopic carboxylates. *Journal of Coordination Chemistry*, **2013**, 66, 826-835 1.6 11
- 53 Crystal engineering of zinc(II) and copper(II) complexes containing 3,5-dimethylisoxazole-4-carboxylate ligand via O-H...N, C-H...A (A = N, O and F) and bifurcated C-H...N/O interactions. *CrystEngComm*, **2007**, 9, 35-38 3.3 11
- 52 New organically templated gallium oxalate-phosphate structures based on Ga4(PO4)4(C2O4) building unit. *Journal of Solid State Chemistry*, **2006**, 179, 1931-1937 3.3 11
- 51 Controlled syntheses of Mg-MOF-74 nanorods for drug delivery. *Journal of Solid State Chemistry*, **2021**, 294, 121853 3.3 11
- 50 Supramolecular architectures based on transition metal complexes with 1-(3-pyridyl)-2-(4?-pyrimidyl)ethene. *CrystEngComm*, **2008**, 10, 915 3.3 10
- 49 A robust etb-type metal-organic framework showing polarity-exclusive adsorption of acetone over methanol for their azeotropic mixture. *Chemical Communications*, **2019**, 55, 6495-6498 5.8 9
- 48 Acid-induced Zn(II)-based metal-organic frameworks for encapsulation and sensitization of lanthanide cations. *CrystEngComm*, **2015**, 17, 2294-2300 3.3 9

47	Amine-directed structural studies of four zinc metal-organic frameworks based on a novel phosphonocarboxylate ligand. <i>Inorganic Chemistry Communication</i> , 2013 , 37, 93-96	3.1	9
46	Cobalt substitution in a flexible metal-organic framework: modulating a soft paddle-wheel unit for tunable gate-opening adsorption. <i>Dalton Transactions</i> , 2019 , 48, 7100-7104	4.3	8
45	A CuI-Phosphonotriazolate Coordination Polymer Based on [Cu ₄ Cl] Cluster for Fluorescent Sensing of O ₂ . <i>ChemistrySelect</i> , 2016 , 1, 1917-1920	1.8	8
44	The first lanthanide carboxylate complex constructed from hydroxyl bridging bimetallic units: Hydrothermal synthesis, crystal structure and luminescent properties. <i>Inorganica Chimica Acta</i> , 2007 , 360, 3431-3435	2.7	8
43	A New Open Metal-Organic Framework [Zn ₈ (GeO ₄)(C ₈ H ₄ O ₄) ₆] _n , Constructed by Heterometallic Cluster Zn ₈ (GeO ₄) Secondary Building Units. <i>Chemistry Letters</i> , 2003 , 32, 474-475	1.7	8
42	Hydrothermal synthesis and characterization of new hybrid open-framework indium phosphate-oxalates. <i>Science Bulletin</i> , 2004 , 49, 658-664		8
41	HCl chemisorption-induced drastic magneto-structural transformation in a layered cobalt-phosphonotriazolate coordination polymer. <i>Dalton Transactions</i> , 2016 , 45, 10510-3	4.3	7
40	Rare-earth metal-mediated addition/cyclization of the 2-cyanobenzoamino anion. <i>Dalton Transactions</i> , 2011 , 40, 9098-100	4.3	7
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38	Syntheses and crystal structures of two novel lanthanide coordination compounds of 3-aminobenzoic acid. <i>Journal of Coordination Chemistry</i> , 2005 , 58, 647-652	1.6	7
37	Solvothermal synthesis and removal capacity for hydrogen chloride gas of Zn(OH)(NO ₃) with a rare (10,3)-d net. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1230-1236	3.3	7
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