

Chang Seop Hong

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175
papers

7,178
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41
h-index

79
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182
ext. papers

7,978
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
175	Coumarin-derived Cu(2+)-selective fluorescence sensor: synthesis, mechanisms, and applications in living cells. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2008-12	16.4	904
174	Capture of carbon dioxide from air and flue gas in the alkylamine-appended metal-organic framework mmen-Mg ₂ (dobpdc). <i>Journal of the American Chemical Society</i> , 2012 , 134, 7056-65	16.4	844
173	Superprotonic conductivity of a UiO-66 framework functionalized with sulfonic acid groups by facile postsynthetic oxidation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5142-6	16.4	343
172	A pyrenyl-appended triazole-based calix[4]arene as a fluorescent sensor for Cd ²⁺ and Zn ²⁺ . <i>Journal of Organic Chemistry</i> , 2008 , 73, 8212-8	4.2	277
171	Diamine-functionalized metal-organic framework: exceptionally high CO ₂ capacities from ambient air and flue gas, ultrafast CO ₂ uptake rate, and adsorption mechanism. <i>Energy and Environmental Science</i> , 2014 , 7, 744-751	35.4	205
170	pH-dependent proton conducting behavior in a metal-organic framework material. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8383-7	16.4	149
169	Surface modification of a six-capped body-centered cube Ni ₉ W ₆ cluster: structure and single-molecule magnetism. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7424-6	16.4	129
168	Unusual ferromagnetic couplings in single end-to-end azide-bridged cobalt(II) and nickel(II) chain systems. <i>Chemistry - A European Journal</i> , 2001 , 7, 4243-52	4.8	121
167	Exceptional CO working capacity in a heterodiamine-grafted metal-organic framework. <i>Chemical Science</i> , 2015 , 6, 3697-3705	9.4	107
166	An end-on azide-bridged antiferromagnetic single-chain magnet involving spin canting and field-induced two-step magnetic transitions. <i>Chemistry - A European Journal</i> , 2009 , 15, 3661-5	4.8	96
165	Coexistence of spin canting and metamagnetism in a one-dimensional Mn(III) complex bridged by a single end-to-end azide. <i>Inorganic Chemistry</i> , 2006 , 45, 8847-9	5.1	96
164	A Magnetically Coupled Three-Dimensional (Terephthalato)manganese(II) Network. <i>Inorganic Chemistry</i> , 1997 , 36, 5684-5685	5.1	92
163	Intramolecular Huisgen-type cyclization of platinum-bound pyrylium ions with alkenes and subsequent insertion into a benzylic C-H bond. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7505-7	16.4	83
162	High-Dimensional Manganese(II) Compounds with Noncovalent and/or Covalent Bonds Derived from Flexible Ligands: Self-Assembly and Structural Transformation. <i>Inorganic Chemistry</i> , 1999 , 38, 5602-5	5.1	82
161	Intermolecular contact-tuned magnetic nature in one-dimensional 3d-5d bimetallic systems: from a metamagnet to a single-chain magnet. <i>Inorganic Chemistry</i> , 2008 , 47, 10214-6	5.1	78
160	Cyanide-bridged single-molecule magnet constructed by an octacoordinated [W(CN) ₆ (bpy)] ⁻ anion. <i>Inorganic Chemistry</i> , 2006 , 45, 9613-5	5.1	76
159	One-dimensional octacyanomolybdate-based Cu(II)-Mo(V) bimetallic assembly with a novel rope-ladder chain structure. <i>Inorganic Chemistry</i> , 2004 , 43, 6899-901	5.1	74

158	Fine-Tuning of the Carbon Dioxide Capture Capability of Diamine-Grafted Metal-Organic Framework Adsorbents Through Amine Functionalization. <i>ChemSusChem</i> , 2017 , 10, 541-550	8.3	69
157	Cyanide-bridged Fe(III)-Mn(III) bimetallic complexes with dimeric and chain structures constructed from a newly made mer-Fe tricyanide: structures and magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 2956-66	5.1	65
156	Enantiomerically pure synthesis of beta-substituted gamma-butyrolactones: a key intermediate to concise synthesis of pregabalin. <i>Journal of Organic Chemistry</i> , 2007 , 72, 7390-3	4.2	64
155	Superprotonic Conductivity of a UiO-66 Framework Functionalized with Sulfonic Acid Groups by Facile Postsynthetic Oxidation. <i>Angewandte Chemie</i> , 2015 , 127, 5231-5235	3.6	63
154	Microporous lanthanide-organic frameworks with open metal sites: unexpected sorption propensity and multifunctional properties. <i>Inorganic Chemistry</i> , 2010 , 49, 4723-5	5.1	63
153	A chiral pentadecanuclear metallamacrocycle with a sextuple twisted M _B ius topology. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14142-3	16.4	63
152	Ferrimagnetic Fe ^{III} -Mn ^{III} zigzag chain formed by a new mer-positioned iron ^{III} cyanide precursor. <i>Inorganic Chemistry</i> , 2007 , 46, 8481-3	5.1	63
151	Post-synthetic modification of porous materials: superprotonic conductivities and membrane applications in fuel cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7474-7494	13	60
150	Synthesis, crystal structures, and magnetic properties of cyano-bridged honeycomblike layers M(V)-Cu(II) (M = Mo, W) chelated by a macrocyclic ligand. <i>Inorganic Chemistry</i> , 2006 , 45, 7821-7	5.1	60
149	Magnetic metal-organic framework constructed from a paramagnetic metalloligand exhibiting a significant sorption and reversible magnetic conversions. <i>Chemical Communications</i> , 2010 , 46, 8779-81	5.8	57
148	Homodiamine-functionalized metal-organic frameworks with a MOF-74-type extended structure for superior selectivity of CO ₂ over N ₂ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19177-19185	13	56
147	Hydrogen- and Covalent-Bond-Linked 3D Manganese Array. <i>Inorganic Chemistry</i> , 1998 , 37, 4470-4472	5.1	56
146	Cost-Effective, High-Performance Porous-Organic-Polymer Conductors Functionalized with Sulfonic Acid Groups by Direct Postsynthetic Substitution. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16123-16126	16.4	54
145	Octacyanometalate-based ferrimagnetic M(V)Mn(III) (M = Mo, W) bimetallic chain racemates with slow magnetic relaxations. <i>Inorganic Chemistry</i> , 2009 , 48, 5617-9	5.1	53
144	A unique tetranuclear Er(III) ₄ cluster exhibiting field-induced single-molecule magnetism. <i>Chemical Communications</i> , 2012 , 48, 2519-21	5.8	52
143	Field-induced metamagnetic transition in the Fe(III)-Mn(III) bimetallic chain built by a new cyanide-bearing Fe(III) precursor. <i>Inorganic Chemistry</i> , 2007 , 46, 10461-3	5.1	52
142	Uncommon ferromagnetic interactions in a homometallic Co(II) chain bridged by a single end-to-end azide. <i>Inorganic Chemistry</i> , 2007 , 46, 9054-6	5.1	51
141	Divergent insertion reactions of Pt-carbenes generated from [3+2] cyclization of platinum-bound pyrylliums. <i>Chemistry - A European Journal</i> , 2009 , 15, 71-4	4.8	50

140	Cyanide-bridged W(V)-Mn(II) bimetallic double-zigzag chains with a metamagnetic nature. <i>Inorganic Chemistry</i> , 2005 , 44, 7714-6	5.1	49
139	One-dimensional end-to-end azide-bridged Mn(III) complexes incorporating alkali metal ions: slow magnetic relaxations and metamagnetism. <i>Chemistry - A European Journal</i> , 2011 , 17, 3028-34	4.8	47
138	Cyanide-bridged W(V)-Co(II) double-zigzag chain based on an octacoordinated W precursor: metamagnetism and spin canting. <i>Inorganic Chemistry</i> , 2007 , 46, 1529-31	5.1	46
137	Bimetallic M(V) ₂ Cu(II) ₃ (M = Mo, W) coordination complexes based on octacyanometalates: structures and magnetic variations tuned by chelated tetradentate macrocyclic ligands. <i>Inorganic Chemistry</i> , 2007 , 46, 10578-86	5.1	45
136	Cyanide-bridged one-dimensional ferromagnetic Ru(III)Mn(III) coordination polymer exhibiting a field-induced magnetic phase transition. <i>Inorganic Chemistry</i> , 2009 , 48, 816-8	5.1	44
135	pH-Dependent Proton Conducting Behavior in a Metal-Organic Framework Material. <i>Angewandte Chemie</i> , 2014 , 126, 8523-8527	3.6	43
134	Cyanide-bridged Fe(III)-Mn(III) bimetallic systems assembled from the fac-Fe tricyanide and Mn Schiff bases: structures, magnetic properties, and density functional theory calculations. <i>Inorganic Chemistry</i> , 2010 , 49, 4632-42	5.1	41
133	Pt-catalyzed hydrative cyclization of 2-enynylbenzaldehydes and its application to faveline synthesis. <i>Organic Letters</i> , 2010 , 12, 1308-11	6.2	41
132	Cyano-bridged CuII-MV (M = Mo, W) bimetallic layered complexes exhibiting novel honeycomblike structures. <i>Inorganic Chemistry</i> , 2005 , 44, 7063-9	5.1	41
131	Colossal Magnetoresistance in La _{0.7} Ca _{0.3} MnO ₃ - δ Comparative Study of Single-Crystal and Polycrystalline Material. <i>Chemistry of Materials</i> , 2000 , 12, 3509-3515	9.6	39
130	Post-synthetic diamine-functionalization of MOF-74 type frameworks for effective carbon dioxide separation. <i>Dalton Transactions</i> , 2019 , 48, 2263-2270	4.3	38
129	Two Homochiral Bimetallic Metal-Organic Frameworks Composed of a Paramagnetic Metalloligand and Chiral Camphorates: Multifunctional Properties of Sorption, Magnetism, and Enantioselective Separation. <i>Crystal Growth and Design</i> , 2014 , 14, 6472-6477	3.5	38
128	Reversible Structural Flexibility and Sensing Properties of a Zn(II) Metal-Organic Framework: Phase Transformation between Interpenetrating 3D Net and 2D Sheet. <i>Crystal Growth and Design</i> , 2014 , 14, 1933-1937	3.5	38
127	One-dimensional cyanide-bridged Mn(III)W(V) bimetallic complexes: metamagnetism, spontaneous resolution, and slow magnetic relaxation. <i>Inorganic Chemistry</i> , 2009 , 48, 9066-8	5.1	38
126	Interpenetration Control, Sorption Behavior, and Framework Flexibility in Zn(II) Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2014 , 14, 699-704	3.5	37
125	Tunable emission of polymer light emitting diodes bearing green-emitting Ir(III) complexes: The structural role of 9-((6-(4-fluorophenyl)pyridin-3-yl)methyl)-9H-carbazole ligands. <i>Dyes and Pigments</i> , 2010 , 85, 143-151	4.6	35
124	Fine-tuning of wettability in a single metal-organic framework postcoordination modification and its reduced graphene oxide aerogel for oil-water separation. <i>Chemical Science</i> , 2019 , 10, 2663-2669	9.4	34
123	A Hydrogen-Bonded Organic Framework (HOF) with Type IV NH Adsorption Behavior. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16152-16155	16.4	33

122	Ionic liquids as benign catalysts for the carbonylation of amines to formamides. <i>Applied Catalysis A: General</i> , 2011 , 404, 87-92	5.1	33
121	Synthesis, Structure, and Magnetic Properties of Closely Related Mono- and Di-Cu(II) Schiff Base Complexes: Formation of Water Clusters and Hydrogen-Bonded Networks. <i>Crystal Growth and Design</i> , 2010 , 10, 327-334	3.5	33
120	Azido-bridged Cu(II) compounds with asymmetric end-to-end and end-on binding modes: magnetic assignments using a spin dimer model. <i>Polyhedron</i> , 2005 , 24, 249-256	2.7	33
119	A diamine-grafted metal-organic framework with outstanding CO ₂ capture properties and a facile coating approach for imparting exceptional moisture stability. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8177-8183	13	32
118	Structure and magnetic properties of cyanide-bridged Ni ₁₁ MoV ₆ cluster modified by bidentate capping ligands. <i>Polyhedron</i> , 2008 , 27, 299-303	2.7	32
117	End-to-end azide-bridged manganese(III) chain compounds: field-induced magnetic phase transitions and variation of T(C) to 38 K depending on the side groups of the Schiff bases. <i>Inorganic Chemistry</i> , 2011 , 50, 10777-85	5.1	31
116	Diamine-Functionalization of a Metal-Organic Framework Adsorbent for Superb Carbon Dioxide Adsorption and Desorption Properties. <i>ChemSusChem</i> , 2018 , 11, 1694-1707	8.3	30
115	Cyanide-bridged W(V)Mn(III) single-chain magnet with isolated Mn(III) moieties exhibiting two types of relaxation dynamics. <i>Inorganic Chemistry</i> , 2011 , 50, 11306-8	5.1	30
114	Cyano-bridged pentanuclear and honeycomblike M(III)Cu(II) (M = Fe, Cr) bimetallic assemblies: structural variations modulated by side groups of macrocyclic ligands and magnetic properties. <i>Inorganic Chemistry</i> , 2011 , 50, 1749-57	5.1	30
113	Novel examples of high-dimensional mixed-valence copper cyanide complexes. <i>Inorganic Chemistry</i> , 2005 , 44, 4383-90	5.1	30
112	Crystal Structures and Magnetic Behaviors of Cyanido-Bridged Dinuclear Dimetallic Systems Involving 3d ⁸ or 3d ⁹ Metal Centers. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2756-2763	2.3	29
111	Reversible crystal-to-amorphous structural conversion in the single end-on azide-bridged Co(II) complex: concomitant color and magnetic modulations. <i>Chemistry - A European Journal</i> , 2012 , 18, 11541-48	4.8	28
110	Luminescent Metal-Organic Framework Sensor: Exceptional Cd Turn-On Detection and First In Situ Visualization of Cd Ion Diffusion into a Crystal. <i>Chemistry - A European Journal</i> , 2017 , 23, 4803-4809	4.8	27
109	Reversible structural transformation and selective gas adsorption in a unique aqua-bridged Mn(II) metal-organic framework. <i>Chemical Communications</i> , 2013 , 49, 2329-31	5.8	27
108	Charge effect of foreign metal ions and the crystal growth process in hybridized metal-organic frameworks. <i>Chemical Communications</i> , 2012 , 48, 10847-9	5.8	27
107	[CuII ₄] Clusters From the Self-Assembly of Two Imidazolidinyl 2-Phenolate-Bridged [CuII ₂] Units: The Role of the Chloride Bridge. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1644-1653	2.3	27
106	Synthesis, structures, and magnetic properties of end-to-end azide-bridged manganese(III) chains: elucidation of direct magnetostructural correlation. <i>Inorganic Chemistry</i> , 2014 , 53, 7936-40	5.1	26
105	Titanatranes containing tetradentate ligands with controlled steric hindrance. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 3519-3525	2.3	26

104	Synthesis, crystal structures and magnetic studies of terephthalato-bridged binuclear nickel(II) complexes. <i>Polyhedron</i> , 2004 , 23, 1379-1384	2.7	26
103	Adsorption of Carbon Dioxide on Unsaturated Metal Sites in M ₂ (dobpdc) Frameworks with Exceptional Structural Stability and Relation between Lewis Acidity and Adsorption Enthalpy. <i>Chemistry - A European Journal</i> , 2016 , 22, 7444-51	4.8	25
102	Preparation and application of chelating polymer/porous carbon composite for copper-ion adsorption. <i>Carbon</i> , 2009 , 47, 1043-1049	10.4	25
101	Large magnetoresistance in three dimensionally ordered macroporous perovskite manganites prepared by a colloidal templating method. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1774		25
100	Synthesis, X-ray crystal structure, and electrochemistry of trans-bis(ferrocenecarboxylato)(tetraphenylporphyrinato)tin(IV). <i>Polyhedron</i> , 2007 , 26, 2517-2522	2.7	24
99	Methylpyrazole-capped two-dimensional supramolecular M(II) (M = Mn, Ni, Co) assemblies constructed by covalent and noncovalent interactions: uncommon coordination modes of methylpyrazoles and magnetic properties. <i>Inorganic Chemistry</i> , 2006 , 45, 5947-52	5.1	24
98	A conductive porous organic polymer with superprotonic conductivity of a Nafion-type electrolyte. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17492-17498	13	23
97	Sulfate-Incorporated Co(II) Coordination Frameworks with Bis-imidazole Bridging Ligands Constructed by Covalent and Noncovalent Interactions. <i>Crystal Growth and Design</i> , 2012 , 12, 2691-2698	3.5	23
96	A new [NiII ₄] distorted cubane assembly on four solvent derived β-OMe corners: Solvent dependent formation and cleavage of exogenous bridges. <i>Polyhedron</i> , 2008 , 27, 2372-2378	2.7	23
95	New growth method of rubrene single crystal for organic field-effect transistor. <i>Synthetic Metals</i> , 2007 , 157, 481-484	3.6	22
94	Synthesis, crystal structures and magnetic properties of Cu(II) compounds bridged by the terephthalate ligand and hydrogen bonds. <i>Polyhedron</i> , 2004 , 23, 3043-3050	2.7	22
93	PDMS-coated hypercrosslinked porous organic polymers modified double postsynthetic acidifications for ammonia capture. <i>Chemical Science</i> , 2018 , 9, 6871-6877	9.4	21
92	A Facially Capped Body-Centered Ni ₉ W ₆ Cubane Modified with Sulfur-Containing Bidentate Ligands: Structure and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3428-3431	2.3	21
91	Cyano-bridged Fe(II)/Cu(II) bimetallic assemblies: honeycomb-like and pentanuclear structures. <i>Inorganica Chimica Acta</i> , 2004 , 357, 3271-3278	2.7	21
90	Role of Rare Earth Ion in Spin Glass Behavior for R _{0.7} Sr _{1.3} MnO ₄ . <i>Chemistry of Materials</i> , 2002 , 14, 1832-1838	1.8	21
89	Emerging Porous Materials and Their Composites for NH ₃ Gas Removal. <i>Advanced Science</i> , 2020 , 7, 2002143	4.6	21
88	Phase Transformation, Exceptional Quenching Efficiency, and Discriminative Recognition of Nitroaromatic Analytes in Hydrophobic, Nonporous Zn(II) Coordination Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 305-312	5.1	20
87	High Ammonia Uptake of a Metal-Organic Framework Adsorbent in a Wide Pressure Range. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22531-22536	16.4	20

86	[Os ₃ (CO) ₆ (PMe ₃) ₃](μ ₃ -η ² :η ² :η ² -C ₆₀)[Re ₃ (μ-H) ₃ (CO) ₉]: a fullerene[60] coordinated to two different trinuclear clusters. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1436-9	16.4	19
85	A tricyanopyrroline-based nonlinear optical chromophore bearing a lateral moiety: A novel steric technique for enhancing the electro-optic effect. <i>Dyes and Pigments</i> , 2008 , 79, 193-199	4.6	19
84	Reversible crystal-to-amorphous structural transformations and magnetic variations in single end-on azide-bridged M (M = Mn, Ni) coordination polymers. <i>Dalton Transactions</i> , 2018 , 47, 845-851	4.3	19
83	High-performance amorphous donor-acceptor conjugated polymers containing x-shaped anthracene-based monomer and 2,5-bis(2-octyldodecyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione for organic thin-film transistors. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2809-2818	2.5	18
82	Ethylene-bridged pseudo-Cs symmetric ansa-zirconocene complexes: synthesis, structures and propylene polymerization behavior. <i>Journal of Organometallic Chemistry</i> , 1998 , 561, 37-47	2.3	17
81	A Terephthalato-Bridged NiII Complex Capped with a Nonchelating Ligand Displays a Three-Dimensional Supramolecular Network Constructed by Coordination and Multi-Intermolecular Forces. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 4818-4821	2.3	17
80	Selective Fe ²⁺ -Ion Recognition Using a Fluorescent Pyridinyl-benzimidazole-derived Ionophore. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3625-3628	1.2	17
79	A calibration technique for an Ag/AgCl reference electrode utilizing the relationship between the electrical conductivity and the KCl concentration of the internal electrolyte. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 2587-2592	2.6	16
78	Concomitant polymorphism of an antiferromagnetically coupled dicopper(II,II) complex with single strand helical assembly: Synthesis, structure, DSC, magnetic and heterogeneous catalytic studies. <i>Polyhedron</i> , 2009 , 28, 665-672	2.7	16
77	Magnetic exchange interactions induced by Cr-doping in perovskite manganites. <i>Solid State Communications</i> , 2005 , 133, 531-536	1.6	16
76	Switching of Slow Magnetic Relaxation Dynamics in Mononuclear Dysprosium(III) Compounds with Charge Density. <i>Inorganic Chemistry</i> , 2016 , 55, 5398-404	5.1	16
75	Synthesis, Structure, Magnetic Properties and Aqueous Optical Citrate Detection of Chiral Dinuclear CuII Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3266-3274	2.3	15
74	Magnetic Properties and Structural Evolution in Nd _{0.5} Sr _{1.5} MnO ₄ . <i>Chemistry of Materials</i> , 2001 , 13, 945-951	9.5	15
73	Cost-effective porous-organic-polymer-based electrolyte membranes with superprotonic conductivity and low activation energy. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1147-1153	13	15
72	Custom Coordination Environments for Lanthanoids: Tripodal Ligands Achieve Near-Perfect Octahedral Coordination for Two Dysprosium-Based Molecular Nanomagnets. <i>Inorganic Chemistry</i> , 2017 , 56, 4911-4917	5.1	14
71	Synthesis, crystal structures, and magnetic properties of cyanide-bridged W(V)Mn(III) anionic coordination polymers containing divalent cationic moieties: slow magnetic relaxations and spin crossover phenomenon. <i>Inorganic Chemistry</i> , 2014 , 53, 10437-42	5.1	14
70	Cyanide-bridged W(V)Mn(III) bimetallic chains composed of a blocked W hexacyanide precursor: geometry-related magnetic couplings and magnetostructural correlation. <i>Inorganic Chemistry</i> , 2013 , 52, 8677-84	5.1	14
69	Wide colossal magnetoresistance around room temperature in La _{0.7} Ca _{0.3} MnO ₃ /La _{0.7} Sr _{0.3} MnO ₃ composite. <i>Solid State Communications</i> , 2002 , 121, 657-660	1.6	14

68	Ferromagnetic oxalato-bridged zigzag chain Cu(II) compound capped with an aliphatic bidentate ligand. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 310-313	3.1	14
67	Supramolecular manganese(II) compounds influenced by conformational flexibility and rigidity of bis(4-pyridyl) containing bridging ligands. <i>Inorganica Chimica Acta</i> , 2004 , 357, 2309-2314	2.7	13
66	Syntheses, crystal structures and magnetic properties of coordination polymers Ni(NO ₂) ₂ and Ni(4,4'-bipy)(NO ₂) ₂ . <i>Polyhedron</i> , 2009 , 28, 1150-1154	2.7	12
65	Triazole-bridged magnetic M(II) assemblies (M = Co, Ni) capped with the end-on terephthalate dianion involving multi-intermolecular contacts. <i>Polyhedron</i> , 2007 , 26, 4383-4388	2.7	12
64	The First (μ ₂ o) ₂ diferric Chain Complex: Structure and Magnetic Properties of [Fe ₂ (tren) ₂ (mtm)O] _n (CF ₃ SO ₃) _n Cl _n . <i>Inorganic Chemistry</i> , 1996 , 35, 5110-5111	5.1	12
63	High-Throughput Discovery of Ni(II) for Ethane/Ethylene Separation. <i>Advanced Science</i> , 2021 , 8, e20049406	4.6	12
62	MOF-74 type variants for CO ₂ capture. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5172-5185	7.8	12
61	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40372-40377	9.5	12
60	Highly soluble green-emitting Ir(III) complexes with 9-(6-phenyl-pyridin-3-ylmethyl)-9H-carbazole ligands and their application to polymer light-emitting diodes. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 7419-7428	2.5	11
59	Syntheses, Structures, and Electrochemical Properties of Os ₃ (CO) ₉ -n(CNCH ₂ Ph) _n (β-2:2:2-C ₆₀) (n = 2/3). <i>Organometallics</i> , 2006 , 25, 4634-4642	3.8	11
58	Hydrogen-bonded supramolecular manganese(II) complexes with network and sheet structures bridged by terephthalate unit. <i>Inorganica Chimica Acta</i> , 2005 , 358, 3341-3346	2.7	11
57	Synthesis, Structure, and Photoluminescence Properties of a Metal-Organic Framework with Hexagonal Channels: Selective Turn-On Sensing for Mg ²⁺ Ion. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 330-335	2.3	11
56	A Robust Hydrogen-Bonded Metal-Organic Framework with Enhanced Ethane Uptake and Selectivity. <i>Chemistry of Materials</i> , 2021 , 33, 6193-6199	9.6	11
55	Humidity-triggered single-crystal-to-single-crystal structural transformations in a Zn(II) coordination polymer displaying unusual activation energy change in proton conductivity. <i>Chemical Communications</i> , 2019 , 55, 9713-9716	5.8	10
54	Lanthanum deficiency effect in magnetic transition and transport property of La _{0.8} Ta _{0.2} MnO ₃ . <i>Solid State Communications</i> , 2004 , 131, 779-783	1.6	10
53	Revealing an unusual temperature-dependent CO ₂ adsorption trend and selective CO ₂ uptake over water vapors in a polyamine-appended metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2759-2767	7.8	10
52	Solvent-dependent self-assembly of two dimensional layered perovskite (CH ₃ CH ₂ NH ₂)MCl (M = Cu, Mn) thin films in ambient humidity. <i>Scientific Reports</i> , 2018 , 8, 4661	4.9	9
51	Post-synthetic modifications in porous organic polymers for biomedical and related applications. <i>Chemical Society Reviews</i> , 2021 ,	58.5	9

50	Pyrimidine-based bipolar host materials for high efficiency solution processed green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2196-2204	7.1	9
49	Cost-Effective, High-Performance Porous-Organic-Polymer Conductors Functionalized with Sulfonic Acid Groups by Direct Postsynthetic Substitution. <i>Angewandte Chemie</i> , 2016 , 128, 16357-16360 ^{3,6}		9
48	MOF-74-type frameworks: tunable pore environment and functionality through metal and ligand modification. <i>CrystEngComm</i> , 2021 , 23, 1377-1387	3.3	9
47	Investigation of magnetic phase transition on the layered inorganic-organic hybrid perovskites (C ₆ H ₅ CH ₂ CH ₂ NH ₃) ₂ MnCl ₄ by single-crystal neutron diffraction. <i>Physica B: Condensed Matter</i> , 2018 , 551, 89-93	2.8	9
46	Control of Interchain Antiferromagnetic Coupling in Porous Co(II)-Based Metal-Organic Frameworks by Tuning the Aromatic Linker Length: How Far Does Magnetic Interaction Propagate?. <i>Inorganic Chemistry</i> , 2017 , 56, 7443-7448	5.1	8
45	Color emission and dielectric properties of Eu-doped Gd ₂ O ₃ gate oxide thin films. <i>Thin Solid Films</i> , 2011 , 519, 3272-3275	2.2	8
44	Synthesis, structures, and magnetic properties of one-dimensional Fe ^M (M=NiII, CuII) coordination polymers bridged by nitroprusside. <i>Inorganica Chimica Acta</i> , 2007 , 360, 2523-2531	2.7	8
43	Two- and three-dimensional Zn(II) coordination polymers constructed from mixed ligand systems: interpenetration, structural transformation and sensing behavior. <i>CrystEngComm</i> , 2016 , 18, 4349-4358	3.3	8
42	Synthesis, Structure, and Proton Conductivities of a Mg(II)-based Coordination Polymer Composed of an Exotic Oxidized Ligand. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 322-325	1.2	8
41	A Hydrogen-Bonded Organic Framework (HOF) with Type IV NH ₃ Adsorption Behavior. <i>Angewandte Chemie</i> , 2019 , 131, 16298-16301	3.6	7
40	Crown ether-appended calix[2]triazolium[2]arene as a macrocyclic receptor for the recognition of the HPO anion. <i>Chemical Communications</i> , 2020 , 56, 1038-1041	5.8	7
39	Metal-Organic Framework Adsorbent for Practical Capture of Trace Carbon Dioxide. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50534-50540	9.5	7
38	Shaping of a Metal-Organic Framework-Polymer Composite and Its CO Adsorption Performances from Humid Indoor Air. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25421-25427	9.5	7
37	Emerging Porous Solid Electrolytes for Hydroxide Ion Transport. <i>Advanced Functional Materials</i> , 2021 , 31, 2100083	15.6	7
36	Cyclic Structural Transformations from Crystalline to Crystalline to Amorphous Phases and Magnetic Properties of a Mn(II)-Based Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2018 , 18, 3360-3365	3.5	6
35	Unprecedented N-Inserted Disulfide Ligand Stabilized by Coordination to the Electropositive CoIII Center. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3123-3126	2.3	6
34	Storing Spin-Crossover and LC Phase Transitions Information by Hybridizing Spin-Crossover Complexes with a Thermotropic Polymer Matrix [A Novel Case of Multiple Switching. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 471, 3-10	0.5	6
33	Pt-Exchanged ZIF-8 nanocube as a solid-state precursor for L1-PtZn intermetallic nanoparticles embedded in a hollow carbon nanocage. <i>Nanoscale</i> , 2020 , 12, 1118-1127	7.7	6

32	Slow relaxation dynamics of a mononuclear Er(III) complex surrounded by a ligand environment with anisotropic charge density. <i>Dalton Transactions</i> , 2017 , 46, 739-744	4.3	5
31	High Ammonia Uptake of a Metal-Organic Framework Adsorbent in a Wide Pressure Range. <i>Angewandte Chemie</i> , 2020 , 132, 22720-22725	3.6	5
30	Fabrication of (TMTSF) ₂ PF ₆ thin crystals in a confined electrode. <i>Synthetic Metals</i> , 2007 , 157, 492-496	3.6	5
29	Tetrameric Self-Assembly of a Cu(II) Complex Containing Schiff-Base Ligand and Its Unusually High Catecholase-like Activity. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 2731-2736	1.2	5
28	N-Phenyl-adamantane-1-sulfinamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1393		5
27	Multiple functional groups in metal-organic frameworks and their positional regioisomerism. <i>Coordination Chemistry Reviews</i> , 2021 , 438, 213892	23.2	5
26	Crystal Structures and Magnetic Properties of Newly Synthesized Mono- and Dinuclear Cu(II) Schiff-Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 5018-5026	2.3	4
25	Anomalous post-annealing effects on magnetic and electrical properties of La _{0.8} Ca _{0.2} MnO ₃ . <i>Solid State Communications</i> , 2001 , 120, 359-362	1.6	4
24	Calix[4]triazolium based turn-on fluorescent sensing ensemble for selective adenosine monophosphate (AMP) detection. <i>Chemical Communications</i> , 2021 , 57, 12139-12142	5.8	4
23	Catalytic upgrading of long-chain 1-alkene in synthetic fuels over shape-controlled cobalt oxide nanocrystals. <i>Fuel</i> , 2020 , 269, 117397	7.1	3
22	Control of the Metal Composition in Bimetallic Mg/Zn(dobpdc) Constructed from a One-Dimensional Zn-Based Template. <i>Inorganic Chemistry</i> , 2019 , 58, 14107-14111	5.1	3
21	Dehydration-triggered magnetic phase conversion in the porous Cu(II)Mn(III) metal-organic framework. <i>Dalton Transactions</i> , 2014 , 43, 6994-7	4.3	3
20	Reversible water inclusion in a porous magnetic material synthesized from copper(II) incorporated metal-organic framework showing alternate ferro- and antiferromagnetic interactions. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 527-530	3.1	3
19	A robust ethane-selective hypercrosslinked porous organic adsorbent with high ethane capacity. <i>Journal of Materials Chemistry A</i> ,	13	3
18	Highly selective CO ₂ separation from a CO ₂ /C ₂ H ₂ mixture using a diamine-appended metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 21424-21428	13	3
17	Shaping and silane coating of a diamine-grafted metal-organic framework for improved CO ₂ capture. <i>Communications Materials</i> , 2021 , 2,	6	3
16	Engineered Removal of Trace NH ₃ by Porous Organic Polymers Modified via Sequential Post-Sulfonation and Post-Alkylation. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000161	5.9	2
15	N,N-Dibenzyl-methane-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1235		1

14	Isomeric sp ² -C-conjugated porous organic polymer-mediated photo- and sono-catalytic detoxification of sulfur mustard simulant under ambient conditions. <i>Matter</i> , 2021 , 4, 3774-3785	12.7	1
13	Moisture-tolerant diamine-appended metal-organic framework composites for effective indoor CO ₂ capture through facile spray coating. <i>Chemical Engineering Journal</i> , 2021 , 133856	14.7	1
12	Conversion from Heterometallic to Homometallic Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2020 , 26, 11767-11775	4.8	1
11	Reversible ammonia uptake at room temperature in a robust and tunable metal-organic framework.. <i>RSC Advances</i> , 2022 , 12, 7605-7611	3.7	1
10	Double Hypercrosslinked Porous Organic Polymer-Derived Electrocatalysts for a Water Splitting Device. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3269-3274	6.1	1
9	Structure, photoluminescence, and magnetic properties of a Mn(II)-based metal-organic framework. <i>New Journal of Chemistry</i> , 2020 , 44, 18694-18702	3.6	0
8	Understanding Correlation Between CO Insertion Mechanism and Chain Length of Diamine in Metal-Organic Framework Adsorbents. <i>ChemSusChem</i> , 2021 , 14, 2426-2433	8.3	0
7	Synthesis and Crystal Structures of New Strontium Complexes with Aminoalkoxy and Diketonato Ligands. <i>ACS Omega</i> , 2021 , 6, 15948-15956	3.9	0
6	Synthesis of Novel Unsymmetric Strontium Complexes Containing Aminoalkoxides. <i>ChemistrySelect</i> , 2021 , 6, 7823-7828	1.8	0
5	Diamine Functionalization of a Metal-Organic Framework by Exploiting Solvent Polarity for Enhanced CO Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38358-38364	9.5	0
4	Innenstruktur: High Ammonia Uptake of a Metal-Organic Framework Adsorbent in a Wide Pressure Range (Angew. Chem. 50/2020). <i>Angewandte Chemie</i> , 2020 , 132, 22991-22991	3.6	
3	Tuning of chain chirality by interchain stacking forces and the structure-property relationship in coordination systems constructed by meridional Fe cyanide and Mn Schiff bases. <i>Dalton Transactions</i> , 2016 , 45, 19416-19427	4.3	
2	Crystal structure of {()}-2-[(3,4-di-meth-oxy-phenyl-imino)-meth-yl]phenolato-[]bis-[2-(pyridin-2-yl)phenyl-[]iridium(III) di-chloro-methane disolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018 , 74, 1107-1110	0.7	
1	Structures and Sorption Properties of 2-Methylbenzimidazolate-Based Zn(II) Frameworks. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 2419-2422	1.2	