Satoshi Horike

List of Publications by Citations

176 papers	13,657 citations	59 h-index	115 g-index
198 ext. papers	15,208 ext. citations	9.7 avg, IF	6.7 L-index

#	Paper	IF	Citations
176	Soft porous crystals. *Nature Chemistry*, **2009**, 1, 695-704	17.6	1800
175	Three-dimensional porous coordination polymer functionalized with amide groups based on tridentate ligand: selective sorption and catalysis. *Journal of the American Chemical Society*, **2007**, 129, 2607-14	16.4	870
174	Size-selective Lewis acid catalysis in a microporous metal-organic framework with exposed Mn2+ coordination sites. *Journal of the American Chemical Society*, **2008**, 130, 5854-5	16.4	753
173	Ion conductivity and transport by porous coordination polymers and metal-organic frameworks. *Accounts of Chemical Research*, **2013**, 46, 2376-84	24.3	644
172	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity. *Nature Materials*, **2009**, 8, 831-6	27	625
171	An Adsorbate Discriminatory Gate Effect in a Flexible Porous Coordination Polymer for Selective Adsorption of CO2 over C2H2. *Journal of the American Chemical Society*, **2016**, 138, 3022-30	16.4	278
170	Guest shape-responsive fitting of porous coordination polymer with shrinkable framework. *Journal of the American Chemical Society*, **2004**, 126, 14063-70	16.4	274
169	Solid solutions of soft porous coordination polymers: fine-tuning of gas adsorption properties. *Angewandte Chemie - International Edition*, **2010**, 49, 4820-4	16.4	273
168	Kinetic gate-opening process in a flexible porous coordination polymer. *Angewandte Chemie - International Edition*, **2008**, 47, 3914-8	16.4	265
167	Hydrogen storage and carbon dioxide capture in an iron-based sodalite-type metal□organic framework (Fe-BTT) discovered via high-throughput methods. *Chemical Science*, **2010**, 1, 184	9.4	261
166	Nanochannels of two distinct cross-sections in a porous Al-based coordination polymer. *Journal of the American Chemical Society*, **2008**, 130, 13664-72	16.4	255
165	Synthesis and hydrogen storage properties of Be(12)(OH)(12)(1,3,5-benzenetribenzoate)(4). *Journal of the American Chemical Society*, **2009**, 131, 15120-1	16.4	232
164	Inherent proton conduction in a 2D coordination framework. *Journal of the American Chemical Society*, **2012**, 134, 12780-5	16.4	216
163	Dynamic motion of building blocks in porous coordination polymers. *Angewandte Chemie - International Edition*, **2006**, 45, 7226-30	16.4	216
162	Confinement of mobile histamine in coordination nanochannels for fast proton transfer. *Angewandte Chemie - International Edition*, **2011**, 50, 11706-9	16.4	211
161	Coordination-network-based ionic plastic crystal for anhydrous proton conductivity. *Journal of the American Chemical Society*, **2012**, 134, 7612-5	16.4	198
160	Liquid, glass and amorphous solid states of coordination polymers and metal□organic frameworks. *Nature Reviews Materials*, **2018**, 3, 431-440	73.3	183

159	Selective guest sorption in an interdigitated porous framework with hydrophobic pore surfaces. *Chemical Communications*, **2007**, 3395-7	5.8	170
158	Guest-specific function of a flexible undulating channel in a 7,7,8,8-tetracyano-p-quinodimethane dimer-based porous coordination polymer. *Journal of the American Chemical Society*, **2007**, 129, 10990-1	16.4	158
157	High CO2/CH4 and C2 Hydrocarbons/CH4 Selectivity in a Chemically Robust Porous Coordination Polymer. *Advanced Functional Materials*, **2013**, 23, 3525-3530	15.6	157
156	A flexible porous coordination polymer functionalized by unsaturated metal clusters. *Angewandte Chemie - International Edition*, **2007**, 46, 889-92	16.4	151
155	Ligand-based solid solution approach to stabilisation of sulphonic acid groups in porous coordination polymer Zr6O4(OH)4(BDC)6 (UiO-66). *Dalton Transactions*, **2012**, 41, 13791-4	4.3	141
154	Anthracene array-type porous coordination polymer with host-guest charge transfer interactions in excited states. *Chemical Communications*, **2007**, 3142-4	5.8	140
153	Accumulation of Glassy Poly(ethylene oxide) Anchored in a Covalent Organic Framework as a Solid-State Li Electrolyte. *Journal of the American Chemical Society*, **2019**, 141, 1227-1234	16.4	140
152	Radical polymerisation of styrene in porous coordination polymers. *Chemical Communications*, **2005**, 5968-70	5.8	135
151	Immobilization of sodium ions on the pore surface of a porous coordination polymer. *Journal of the American Chemical Society*, **2006**, 128, 4222-3	16.4	132
150	Direct Synthesis of Hierarchically Porous Metal□Organic Frameworks with High Stability and Strong Brønsted Acidity: The Decisive Role of Hafnium in Efficient and Selective Fructose Dehydration. *Chemistry of Materials*, **2016**, 28, 2659-2667	9.6	127
149	A solid solution approach to 2D coordination polymers for CH4/CO2 and CH4/C2H6 gas separation: equilibrium and kinetic studies. *Chemical Science*, **2012**, 3, 116-120	9.4	126
148	Reversible solid-to-liquid phase transition of coordination polymer crystals. *Journal of the American Chemical Society*, **2015**, 137, 864-70	16.4	124
147	Polymerization in coordination nanospaces. *Chemistry - an Asian Journal*, **2006**, 1, 36-44	4.5	122
146	Conformation and molecular dynamics of single polystyrene chain confined in coordination nanospace. *Journal of the American Chemical Society*, **2008**, 130, 6781-8	16.4	119
145	Encapsulating Mobile Proton Carriers into Structural Defects in Coordination Polymer Crystals: High Anhydrous Proton Conduction and Fuel Cell Application. *Journal of the American Chemical Society*, **2016**, 138, 8505-11	16.4	116
144	Porous coordination polymer with pyridinium cationic surface, [Zn(2)(tpa)(2)(cpb)]. *Journal of the American Chemical Society*, **2009**, 131, 10336-7	16.4	108
143	MOFs-Based Heterogeneous Catalysts: New Opportunities for Energy-Related CO2 Conversion. *Advanced Energy Materials*, **2018**, 8, 1801587	21.8	107
142	A Single-Crystal Open-Capsule Metal-Organic Framework. *Journal of the American Chemical Society*, **2019**, 141, 7906-7916	16.4	106

141	Enhanced selectivity of CO2 from a ternary gas mixture in an interdigitated porous framework. *Chemical Communications*, **2010**, 46, 4258-60	5.8	101
140	Integration of intrinsic proton conduction and guest-accessible nanospace into a coordination polymer. *Journal of the American Chemical Society*, **2013**, 135, 11345-50	16.4	99
139	Coordination pillared-layer type compounds having pore surface functionalization by anionic sulfonate groups. *Chemical Communications*, **2008**, 471-3	5.8	91
138	Modular design of domain assembly in porous coordination polymer crystals via reactivity-directed crystallization process. *Journal of the American Chemical Society*, **2012**, 134, 13341-7	16.4	87
137	An alkaline earth I3O0 porous coordination polymer: [Ba2TMA(NO3)(DMF)]. *Angewandte Chemie - International Edition*, **2012**, 51, 6107-11	16.4	83
136	Pore design of two-dimensional coordination polymers toward selective adsorption. *Inorganic Chemistry*, **2013**, 52, 3634-42	5.1	83
135	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. *Angewandte Chemie - International Edition*, **2016**, 55, 5195-200	16.4	83
134	Modification of flexible part in Cu(2+) interdigitated framework for CH(4)/CO(2) separation. *Chemical Communications*, **2010**, 46, 9229-31	5.8	82
133	Perfluoroalkyl-Functionalized Covalent Organic Frameworks with Superhydrophobicity for Anhydrous Proton Conduction. *Journal of the American Chemical Society*, **2020**, 142, 14357-14364	16.4	82
132	Construction of a Hierarchical Architecture of Covalent Organic Frameworks via a Postsynthetic Approach. *Journal of the American Chemical Society*, **2018**, 140, 2602-2609	16.4	81
131	Storage and sorption properties of acetylene in jungle-gym-like open frameworks. *Chemistry - an Asian Journal*, **2008**, 3, 1343-9	4.5	80
130	Dense coordination network capable of selective CO2 capture from C1 and C2 hydrocarbons. *Journal of the American Chemical Society*, **2012**, 134, 9852-5	16.4	76
129	Kinetic Gate-Opening Process in a Flexible Porous Coordination Polymer. *Angewandte Chemie*, **2008** , 120, 3978-3982	3.6	72
128	Relationship between channel and sorption properties in coordination polymers with interdigitated structures. *Chemistry - A European Journal*, **2011**, 17, 5138-44	4.8	71
127	Order-to-disorder structural transformation of a coordination polymer and its influence on proton conduction. *Chemical Communications*, **2014**, 50, 10241-3	5.8	69
126	Postsynthesis modification of a porous coordination polymer by LiCl To enhance H+ transport. *Journal of the American Chemical Society*, **2013**, 135, 4612-5	16.4	67
125	Design of flexible Lewis acidic sites in porous coordination polymers by using the viologen moiety. *Angewandte Chemie - International Edition*, **2012**, 51, 8369-72	16.4	67
124	A Dual-Ligand Porous Coordination Polymer Chemiresistor with Modulated Conductivity and Porosity. *Angewandte Chemie - International Edition*, **2020**, 59, 172-176	16.4	66

123	A New Dimension for Coordination Polymers and Metal-Organic Frameworks: Towards Functional Glasses and Liquids. *Angewandte Chemie - International Edition*, **2020**, 59, 6652-6664	16.4	65
122	A soft copper(II) porous coordination polymer with unprecedented aqua bridge and selective adsorption properties. *Chemistry - A European Journal*, **2012**, 18, 13117-25	4.8	62
121	Mapping-Out Catalytic Processes in a Metal-Organic Framework with Single-Crystal X-ray Crystallography. *Angewandte Chemie - International Edition*, **2017**, 56, 8412-8416	16.4	60
120	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. *Angewandte Chemie - International Edition*, **2020**, 59, 16013-16022	16.4	60
119	Control of molecular rotor rotational frequencies in porous coordination polymers using a solid-solution approach. *Journal of the American Chemical Society*, **2015**, 137, 12183-6	16.4	59
118	Highly selective CO2 adsorption accompanied with low-energy regeneration in a two-dimensional Cu(II) porous coordination polymer with inorganic fluorinated PF6(-) anions. *Inorganic Chemistry*, **2013**, 52, 280-5	5.1	59
117	A family of rare earth porous coordination polymers with different flexibility for CO2/C2H4 and CO2/C2H6 separation. *Inorganic Chemistry*, **2013**, 52, 8244-9	5.1	59
116	Crystal engineering of a family of hybrid ultramicroporous materials based upon interpenetration and dichromate linkers. *Chemical Science*, **2016**, 7, 5470-5476	9.4	56
115	Solid Solutions of Soft Porous Coordination Polymers: Fine-Tuning of Gas Adsorption Properties. *Angewandte Chemie*, **2010**, 122, 4930-4934	3.6	55
114	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. *Angewandte Chemie - International Edition*, **2017**, 56, 4976-4981	16.4	54
113	Differences of crystal structure and dynamics between a soft porous nanocrystal and a bulk crystal. *Chemical Communications*, **2011**, 47, 7632-4	5.8	52
112	Confinement of Mobile Histamine in Coordination Nanochannels for Fast Proton Transfer. *Angewandte Chemie*, **2011**, 123, 11910-11913	3.6	51
111	Dynamic Motion of Building Blocks in Porous Coordination Polymers. *Angewandte Chemie*, **2006**, 118, 7384-7388	3.6	46
110	Storage of CO into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. *Angewandte Chemie - International Edition*, **2018**, 57, 8687-8690	16.4	44
109	Tuning the Dimensionality of Inorganic Connectivity in Barium Coordination Polymers via Biphenyl Carboxylic Acid Ligands. *Crystal Growth and Design*, **2013**, 13, 2965-2972	3.5	43
108	Inclusion and dynamics of a polymer-Li salt complex in coordination nanochannels. *Chemical Communications*, **2011**, 47, 1722-4	5.8	41
107	Porous coordination polymer with pi Lewis acidic pore surfaces, {[Cu3(CN)3{hat(CN)3(OEt)3}].3 THF}n. *Angewandte Chemie - International Edition*, **2006**, 45, 4628-31	16.4	41
106	Synthesis and characterization of a 1-D porous barium carboxylate coordination polymer, [Ba(HBTB)] (H3BTB = benzene-1,3,5-trisbenzoic acid). *Inorganic Chemistry*, **2011**, 50, 11853-5	5.1	39

105	Recognition of 1,3-Butadiene by a Porous Coordination Polymer. *Angewandte Chemie - International Edition*, **2016**, 55, 13784-13788	16.4	38
104	Flexible and shape-selective guest binding at Cu(II) axial sites in 1-dimensional Cu(II)-1,2-bis(4-pyridyl)ethane coordination polymers. *Inorganic Chemistry*, **2006**, 45, 9290-300	5.1	37
103	Template-directed proton conduction pathways in a coordination framework. *Journal of Materials Chemistry A*, **2014**, 2, 10404-10409	13	35
102	Kagom□type extra-large microporous solid based on a paddle-wheel Cu2+ dimer. *Chemical Communications*, **2008**, 4436-8	5.8	33
101	Lanthanide-Based Porous Coordination Polymers: Syntheses, Slow Relaxation of Magnetization, and Magnetocaloric Effect. *Inorganic Chemistry*, **2018**, 57, 6584-6598	5.1	33
100	Mechanical Alloying of Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2017**, 56, 2413-2417	16.4	30
99	Fe2+-based layered porous coordination polymers and soft encapsulation of guests via redox activity. *Journal of Materials Chemistry A*, **2013**, 1, 3675	13	29
98	Motion of methanol adsorbed in porous coordination polymer with paramagnetic metal ions. *Chemical Communications*, **2004**, 2152-3	5.8	29
97	Crystal melting and glass formation in copper thiocyanate based coordination polymers. *Chemical Communications*, **2019**, 55, 5455-5458	5.8	28
96	Investigation of post-grafted groups of a porous coordination polymer and its proton conduction behavior. *Dalton Transactions*, **2012**, 41, 13261-3	4.3	28
95	Synthesis of Manganese ZIF-8 from [Mn(BH)□3THF]□NaBH. *Inorganic Chemistry*, **2017**, 56, 8744-8747	5.1	27
94	Spatial and Surface Design of Porous Coordination Polymers. *Supramolecular Chemistry*, **2007**, 19, 75-78	1.8	27
93	Synthesis and Structural Flexibility of a Series of Copper(II) Azolate-Based Metal□Organic Frameworks. *European Journal of Inorganic Chemistry*, **2010**, 2010, 3739-3744	2.3	26
92	Novel Cu(I) dinuclear complexes containing mu2-eta(2),eta(2)-type benzoquinone ligand. *Journal of the American Chemical Society*, **2003**, 125, 1152-3	16.4	26
91	(113)Cd Nuclear Magnetic Resonance as a Probe of Structural Dynamics in a Flexible Porous Framework Showing Selective O2/N2 and CO2/N2 Adsorption. *Inorganic Chemistry*, **2016**, 55, 4166-72	5.1	25
90	Programmed crystallization via epitaxial growth and ligand replacement towards hybridizing porous coordination polymer crystals. *Dalton Transactions*, **2013**, 42, 15868-72	4.3	24
89	Formation of coordination polymer glass by mechanical milling: dependence on metal ions and molecular doping for H conductivity. *Chemical Communications*, **2018**, 54, 6859-6862	5.8	23
88	Siloxane D4 capture by hydrophobic microporous materials. *Journal of Materials Chemistry A*, **2013**, 1, 7885	13	23

87	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework. *Angewandte Chemie - International Edition*, **2020**, 59, 1435-1439	16.4	23
86	Chemical Adsorption and Physical Confinement of Polysulfides with the Janus-faced Interlayer for High-performance Lithium-Sulfur Batteries. *Scientific Reports*, **2017**, 7, 17703	4.9	22
85	A pH-responsive phase transformation of a sulfonated metal–organic framework from amorphous to crystalline for efficient CO2 capture. *CrystEngComm*, **2016**, 18, 2803-2807	3.3	21
84	Synthesis and porous properties of chromium azolate porous coordination polymers. *Inorganic Chemistry*, **2014**, 53, 9870-5	5.1	21
83	Partially fluorinated MIL-101(Cr): from a miniscule structure modification to a huge chemical environment transformation inspected by 129Xe NMR. *Journal of Materials Chemistry A*, **2019**, 7, 15101-15112	12	20
82	DRIFT and Theoretical Studies of Ethylene/Ethane Separation on Flexible and Microporous [Cu2(2,3-pyrazinedicarboxylate)2(pyrazine)]n. *European Journal of Inorganic Chemistry*, **2014**, 2014, 2747-2752	2.3	20
81	Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety. *Angewandte Chemie*, **2012**, 124, 8494-8497	3.6	20
80	Dynamics of guests in microporous coordination polymers studied by solid state NMR and X-ray analysis. *Studies in Surface Science and Catalysis*, **2005**, 156, 725-732	1.8	20
79	Coordination polymer glass from a protic ionic liquid: proton conductivity and mechanical properties as an electrolyte. *Chemical Science*, **2020**, 11, 5175-5181	9.4	20
78	Modular Self-Assembly and Dynamics in Coordination Star Polymer Glasses: New Media for Ion Transport. *Chemistry of Materials*, **2018**, 30, 8555-8561	9.6	20
77	Mapping-Out Catalytic Processes in a Metal–Organic Framework with Single-Crystal X-ray Crystallography. *Angewandte Chemie*, **2017**, 129, 8532-8536	3.6	18
76	Liquid porous materials: Unveiling liquid MOFs. *Nature Materials*, **2017**, 16, 1054-1055	27	18
75	Homogenized Bimetallic Catalysts from Metal–Organic Framework Alloys. *Chemistry of Materials*, **2019**, 31, 4205-4212	9.6	18
74	Fabrication of Fe2N Catalytic Sites in Porous Carbons Derived from an Iron–Triazolate Crystal. *Chemistry of Materials*, **2018**, 30, 1830-1834	9.6	18
73	A porous coordination polymer with a reactive diiron paddlewheel unit. *Chemical Communications*, **2014**, 50, 2292-4	5.8	18
72	Five-Minute Mechanosynthesis of Hypercrosslinked Microporous Polymers. *Chemistry of Materials*, **2020**, 32, 7694-7702	9.6	18
71	Dynamic Transformation between Covalent Organic Frameworks and Discrete Organic Cages. *Journal of the American Chemical Society*, **2020**, 142, 21279-21284	16.4	17
70	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. *Angewandte Chemie*, **2016**, 128, 5281-5286	3.6	17

69	Fast Conduction of Organic Cations in Metal Sulfate Frameworks. *Chemistry of Materials*, **2016**, 28, 3968-3975	9.6	17
68	Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. *APL Materials*, **2014**, 2, 124401	5.7	16
67	Control of pore distribution of porous carbons derived from Mg2+ porous coordination polymers. *Inorganic Chemistry Frontiers*, **2015**, 2, 473-476	6.8	15
66	Metal-Organic Network-Forming Glasses.. *Chemical Reviews*, **2022**,	68.1	15
65	Mechanical Alloying of Metal□Organic Frameworks. *Angewandte Chemie*, **2017**, 129, 2453-2457	3.6	14
64	Glass-phase coordination polymer displaying proton conductivity and guest-accessible porosity. *Chemical Communications*, **2019**, 55, 8528-8531	5.8	14
63	Porous Fe□□ Catalysts for Rechargeable Zinc□Air Batteries from an Iron-Imidazolate Coordination Polymer. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4030-4036	8.3	14
62	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet. *Chemistry - A European Journal*, **2017**, 23, 8443-8449	4.8	13
61	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. *Angewandte Chemie*, **2017**, 129, 5058-5063	3.6	13
60	Chemistry and application of porous coordination polymers. *Studies in Surface Science and Catalysis*, **2007**, 1983-1990	1.8	13
59	Facile preparation of hybrid thin films composed of spin-crossover nanoparticles and carbon nanotubes for electrical memory devices. *Dalton Transactions*, **2019**, 48, 7074-7079	4.3	12
58	Storage of CO2 into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. *Angewandte Chemie*, **2018**, 130, 8823-8826	3.6	12
57	Proton-conductive coordination polymer glass for solid-state anhydrous proton batteries. *Chemical Science*, **2021**, 12, 5818-5824	9.4	12
56	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. *Angewandte Chemie*, **2020**, 132, 16147-16156	3.6	11
55	Stable melt formation of 2D nitrile-based coordination polymer and hierarchical crystal-glass structuring. *Chemical Communications*, **2020**, 56, 8980-8983	5.8	11
54	Structural optimization of interpenetrated pillared-layer coordination polymers for ethylene/ethane separation. *Chemistry - an Asian Journal*, **2014**, 9, 1643-7	4.5	11
53	A Flexible Porous Coordination Polymer Functionalized by Unsaturated Metal Clusters. *Angewandte Chemie*, **2007**, 119, 907-910	3.6	11
52	Polymorphism of Mixed Metal Cr/Fe Terephthalate Metal□Organic Frameworks Utilizing a Microwave Synthetic Method. *Crystal Growth and Design*, **2019**, 19, 5581-5591	3.5	10

51	Proton Conductivity via Trapped Water in Phosphonate-Based Metal-Organic Frameworks Synthesized in Aqueous Media. *Inorganic Chemistry*, **2021**, 60, 1086-1091	5.1	10
50	The effect of amorphization on the molecular motion of the 2-methylimidazolate linkers in ZIF-8. *Chemical Communications*, **2019**, 55, 5906-5909	5.8	9
49	Formation of Foam-like Microstructural Carbon Material by Carbonization of Porous Coordination Polymers through a Ligand-Assisted Foaming Process. *Chemistry - A European Journal*, **2015**, 21, 13278-83	4.8	9
48	Synthesis and Adsorption Properties of Azulene-containing Porous Interdigitated Framework. *Chemistry Letters*, **2012**, 41, 425-426	1.7	9
47	Porous Coordination Polymer with Lewis Acidic Pore Surfaces, {[Cu3(CN)3{hat(CN)3(OEt)3}]?3 THF}n. *Angewandte Chemie*, **2006**, 118, 4744-4747	3.6	9
46	Eine neue Dimension von Koordinationspolymeren und Metall-organischen Gerüsten: hin zu funktionellen Gläsern und Flüssigkeiten. *Angewandte Chemie*, **2020**, 132, 6716-6729	3.6	9
45	An integrated function system using metal nanoparticle@mesoporous silica@metal-organic framework hybrids. *Microporous and Mesoporous Materials*, **2017**, 245, 104-108	5.3	8
44	A proton-hopping charge storage mechanism of ionic one-dimensional coordination polymers for high-performance supercapacitors. *Chemical Communications*, **2017**, 53, 11786-11789	5.8	8
43	Transparent and luminescent glasses of gold thiolate coordination polymers. *Chemical Science*, **2020**, 11, 6815-6823	9.4	8
42	Exploitation of missing linker in Zr-based metal-organic framework as the catalyst support for selective oxidation of benzyl alcohol. *APL Materials*, **2019**, 7, 111109	5.7	8
41	Crystal melting and vitrification behaviors of a three-dimensional nitrile-based metal-organic framework. *Faraday Discussions*, **2021**, 225, 403-413	3.6	8
40	Encapsulating Ultrastable Metal Nanoparticles within Reticular Schiff Base Nanospaces for Enhanced Catalytic Performance. *Cell Reports Physical Science*, **2021**, 2, 100289	6.1	8
39	An Alkaline Earth I3O0 Porous Coordination Polymer: [Ba2TMA(NO3)(DMF)]. *Angewandte Chemie*, **2012**, 124, 6211-6215	3.6	7
38	Synthesis and characterization of robust three-dimensional chiral metal sulfates. *RSC Advances*, **2014**, 4, 50435-50442	3.7	6
37	Synthesis of Oligodiacetylene Derivatives from Flexible Porous Coordination Frameworks. *Journal of the American Chemical Society*, **2017**, 139, 13876-13881	16.4	6
36	Design of Porous Coordination Polymers/Metal Organic Frameworks: Past, Present and Future **2011**, 1-21		6
35	The role of lattice vibration in the terahertz region for proton conduction in 2D metal-organic frameworks. *Chemical Science*, **2019**, 11, 1538-1541	9.4	6
34	Mechanics, Ionics, and Optics of Metal-Organic Framework and Coordination Polymer Glasses. *Nano Letters*, **2021**, 21, 6382-6390	11.5	6

33	An Allosteric Metal-Organic Framework That Exhibits Multiple Pore Configurations for the Optimization of Hydrocarbon Separation. *Chemistry - an Asian Journal*, **2019**, 14, 3552-3556	4.5	5
32	Processable UiO-66 Metal-Organic Framework Fluid Gel and Electrical Conductivity of Its Nanofilm with Sub-100 nm Thickness. *ACS Applied Materials & Interfaces*, **2021**, 13, 30844-30852	9.5	5
31	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity **2010**, 232-237		4
30	One-Pot, Room-Temperature Conversion of CO into Porous Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2021**, 143, 16750-16757	16.4	4
29	Incorporation of Al Sites on Brønsted Acid Metal-Organic Frameworks for Glucose-to-Hydroxylmethylfurfural Transformation. *Small*, **2021**, 17, e2006541	11	4
28	Recognition of 1,3-Butadiene by a Porous Coordination Polymer. *Angewandte Chemie*, **2016**, 128, 13988-13992	3.6	4
27	Construction of unimpeded proton-conducting pathways in solution-processed nanoporous polymer membranes. *Materials Horizons*, **2021**, 8, 3088-3095	14.4	4
26	Photoluminescent coordination polymer bulk glasses and laser-induced crystallization.. *Chemical Science*, **2022**, 13, 3281-3287	9.4	4
25	Borohydride-containing coordination polymers: synthesis, air stability and dehydrogenation. *Chemical Science*, **2019**, 10, 6193-6198	9.4	3
24	Synthesis of porous coordination polymers using carbon dioxide as a direct source. *Chemical Communications*, **2019**, 55, 9283-9286	5.8	3
23	Soft 2D Layer Porous Coordination Polymers with 1,2-Di(4-pyridyl)ethane. *Australian Journal of Chemistry*, **2013**, 66, 464	1.2	3
22	Synthetic Strategy for Incorporating Carboxylate Ligands into Coordination Polymers under a Solvent-Free Reaction. *Crystal Growth and Design*,	3.5	3
21	Chiral tetranuclear copper(II) complexes: synthesis, optical and magnetic properties. *New Journal of Chemistry*, **2020**, 44, 16845-16855	3.6	3
20	Kagome-type isostructural 3D-transition metal fluorosulfates with spin 3/2 and 1: synthesis, structure and characterization. *Dalton Transactions*, **2016**, 45, 17792-17797	4.3	3
19	Unsaturated Mn(II)-Centered [Mn(BDC)] Metal-Organic Framework with Strong Water Binding Ability and Its Potential for Dehydration of an Ethanol/Water Mixture. *Inorganic Chemistry*, **2018**, 57, 13075-13078	5.1	3
18	Study on a 2D layer coordination framework showing order-to-disorder phase transition by ionothermal synthesis. *Polymer Journal*, **2015**, 47, 141-145	2.7	2
17	Metal–Carbon Composite Catalysts by One-Step Conversion of MOF Crystals in a Sealed-Tube Reactor. *ACS Applied Energy Materials*, **2020**, 3, 11529-11533	6.1	2
16	Imidazolium cation transportation in a 1-D coordination polymer. *Dalton Transactions*, **2017**, 46, 10798-10801	4.3	2

15	Cover Picture: Solid Solutions of Soft Porous Coordination Polymers: Fine-Tuning of Gas Adsorption Properties (Angew. Chem. Int. Ed. 28/2010). *Angewandte Chemie - International Edition*, **2010**, 49, 4687-4687	16.4	2
14	Highly Processable Covalent Organic Framework Gel Electrolyte Enabled by Side-Chain Engineering for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 61, e202110695	16.4	2
13	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal□Organic Framework. *Angewandte Chemie*, **2020**, 132, 1451-1455	3.6	2
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