Satoshi Horike

List of Publications by Year
in descending order

181 papers	16,938 citations	16451 64 h-index	14759 127 g-index
198 all docs	198 docs citations	198 times ranked	12708 citing authors

#	Article	IF	Citations
1	Soft porous crystals. Nature Chemistry, 2009, 1, 695-704.	13.6	2,099
2	Three-Dimensional Porous Coordination Polymer Functionalized with Amide Groups Based on Tridentate Ligand:Â Selective Sorption and Catalysis. Journal of the American Chemical Society, 2007, 129, 2607-2614.	13.7	921
3	Size-Selective Lewis Acid Catalysis in a Microporous Metal-Organic Framework with Exposed Mn²⁺ Coordination Sites. Journal of the American Chemical Society, 2008, 130, 5854-5855.	13.7	804
4	Ion Conductivity and Transport by Porous Coordination Polymers and Metalâ€“Organic Frameworks. Accounts of Chemical Research, 2013, 46, 2376-2384.	15.6	728
5	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high protonÂconductivity. Nature Materials, 2009, 8, 831-836.	27.5	709
6	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, 3022-3030.	13.7	359
7	Liquid, glass and amorphous solid states of coordination polymers and metalâ€“organic frameworks. Nature Reviews Materials, 2018, 3, 431-440.	48.7	314
8	Hydrogen storage and carbon dioxide capture in an iron-based sodalite-type metalâ€“organic framework (Fe-BTT) discovered via high-throughput methods. Chemical Science, 2010, 1, 184.	7.4	294
9	Solid Solutions of Soft Porous Coordination Polymers: Fineâ€Tuning of Gas Adsorption Properties. Angewandte Chemie - International Edition, 2010, 49, 4820-4824.	13.8	291
10	Kinetic Gateâ€Opening Process in a Flexible Porous Coordination Polymer. Angewandte Chemie - International Edition, 2008, 47, 3914-3918.	13.8	288
11	Guest Shape-Responsive Fitting of Porous Coordination Polymer with Shrinkable Framework. Journal of the American Chemical Society, 2004, 126, 14063-14070.	13.7	286
12	Nanochannels of Two Distinct Cross-Sections in a Porous Al-Based Coordination Polymer. Journal of the American Chemical Society, 2008, 130, 13664-13672.	13.7	280
13	Inherent Proton Conduction in a 2D Coordination Framework. Journal of the American Chemical Society, 2012, 134, 12780-12785.	13.7	261
14	Synthesis and Hydrogen Storage Properties of Be₁₂(OH)₁₂(1,3,5-benzenetribenzoate)₄. Journal of the American Chemical Society, 2009, 131, 15120-15121.	13.7	247
15	Confinement of Mobile Histamine in Coordination Nanochannels for Fast Proton Transfer. Angewandte Chemie - International Edition, 2011, 50, 11706-11709.	13.8	245
16	Coordination-Network-Based Ionic Plastic Crystal for Anhydrous Proton Conductivity. Journal of the American Chemical Society, 2012, 134, 7612-7615.	13.7	237
17	Dynamic Motion of Building Blocks in Porous Coordination Polymers. Angewandte Chemie - International Edition, 2006, 45, 7226-7230.	13.8	233
18	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.	13.7	232

#	Article	IF	Citations
19	High CO₂/CH₄ and C2 Hydrocarbons/CH₄ Selectivity in a Chemically Robust Porous Coordination Polymer. Advanced Functional Materials, 2013, 23, 3525-3530.	14.9	182
20	Selective guest sorption in an interdigitated porous framework with hydrophobic pore surfaces. Chemical Communications, 2007, , 3395.	4.1	179
21	A Single-Crystal Open-Capsule Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 7906-7916.	13.7	179
22	Reversible Solid-to-Liquid Phase Transition of Coordination Polymer Crystals. Journal of the American Chemical Society, 2015, 137, 864-870.	13.7	178
23	Guest-Specific Function of a Flexible Undulating Channel in a 7,7,8,8-Tetracyano-<i>p</i>-quinodimethane Dimer-Based Porous Coordination Polymer. Journal of the American Chemical Society, 2007, 129, 10990-10991.	13.7	170
24	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.	3.3	170
25	Perfluoroalkyl-Functionalized Covalent Organic Frameworks with Superhydrophobicity for Anhydrous Proton Conduction. Journal of the American Chemical Society, 2020, 142, 14357-14364.	13.7	167
26	A Flexible Porous Coordination Polymer Functionalized by Unsaturated Metal Clusters. Angewandte Chemie - International Edition, 2007, 46, 889-892.	13.8	161
27	Direct Synthesis of Hierarchically Porous Metalâ€“Organic Frameworks with High Stability and Strong BrÃ¸nsted Acidity: The Decisive Role of Hafnium in Efficient and Selective Fructose Dehydration. Chemistry of Materials, 2016, 28, 2659-2667.	6.7	160
28	MOFsâ€Based Heterogeneous Catalysts: New Opportunities for Energyâ€Related CO₂ Conversion. Advanced Energy Materials, 2018, 8, 1801587.	19.5	158
29	Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie - International Edition, 2020, 59, 16013-16022.	13.8	151
30	Anthracene array-type porous coordination polymer with hostâ€“guest charge transfer interactions in excited states. Chemical Communications, 2007, , 3142.	4.1	150
31	Radical polymerisation of styrene in porous coordination polymers. Chemical Communications, 2005, , 5968.	4.1	148
32	A solid solution approach to 2D coordination polymers for CH₄/CO₂and CH₄/C₂H₆gas separation: equilibrium and kinetic studies. Chemical Science, 2012, 3, 116-120.	7.4	148
33	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, 8505-8511.	13.7	146
34	A New Dimension for Coordination Polymers and Metalâ€“Organic Frameworks: Towards Functional Glasses and Liquids. Angewandte Chemie - International Edition, 2020, 59, 6652-6664.	13.8	146
35	Immobilization of Sodium Ions on the Pore Surface of a Porous Coordination Polymer. Journal of the American Chemical Society, 2006, 128, 4222-4223.	13.7	136
36	Conformation and Molecular Dynamics of Single Polystyrene Chain Confined in Coordination Nanospace. Journal of the American Chemical Society, 2008, 130, 6781-6788.	13.7	133

#	Article	IF	Citations
37	Polymerization in Coordination Nanospaces. Chemistry - an Asian Journal, 2006, 1, 36-44.	3.3	127
38	Integration of Intrinsic Proton Conduction and Guest-Accessible Nanospace into a Coordination Polymer. Journal of the American Chemical Society, 2013, 135, 11345-11350.	13.7	127
39	A Dualâ€Ligand Porous Coordination Polymer Chemiresistor with Modulated Conductivity and Porosity. Angewandte Chemie - International Edition, 2020, 59, 172-176.	13.8	124
40	Metalâ€“Organic Network-Forming Glasses. Chemical Reviews, 2022, 122, 4163-4203.	47.7	121
41	Construction of a Hierarchical Architecture of Covalent Organic Frameworks via a Postsynthetic Approach. Journal of the American Chemical Society, 2018, 140, 2602-2609.	13.7	117
42	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. Angewandte Chemie - International Edition, 2016, 55, 5195-5200.	13.8	113
43	Porous Coordination Polymer with Pyridinium Cationic Surface, [Zn₂(tpa)₂(cpb)]. Journal of the American Chemical Society, 2009, 131, 10336-10337.	13.7	112
44	Enhanced selectivity of CO2 from a ternary gas mixture in an interdigitated porous framework. Chemical Communications, 2010, 46, 4258.	4.1	106
45	Modular Design of Domain Assembly in Porous Coordination Polymer Crystals via Reactivity-Directed Crystallization Process. Journal of the American Chemical Society, 2012, 134, 13341-13347.	13.7	105
46	Coordination pillared-layer type compounds having pore surface functionalization by anionic sulfonate groups. Chemical Communications, 2008, , 471-473.	4.1	94
47	Pore Design of Two-Dimensional Coordination Polymers toward Selective Adsorption. Inorganic Chemistry, 2013, 52, 3634-3642.	4.0	89
48	Order-to-disorder structural transformation of a coordination polymer and its influence on proton conduction. Chemical Communications, 2014, 50, 10241-10243.	4.1	88
49	An Alkaline Earth I³O⁰ Porous Coordination Polymer: [Ba₂TMA(NO₃)(DMF)]. Angewandte Chemie - International Edition, 2012, 51, 6107-6111.	13.8	87
50	Modification of flexible part in Cu2+ interdigitated framework for CH4/CO2 separation. Chemical Communications, 2010, 46, 9229.	4.1	86
51	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. Angewandte Chemie - International Edition, 2017, 56, 4976-4981.	13.8	83
52	Storage and Sorption Properties of Acetylene in Jungleâ€Gymâ€Like Open Frameworks. Chemistry - an Asian Journal, 2008, 3, 1343-1349.	3.3	82
53	Dense Coordination Network Capable of Selective CO₂ Capture from C1 and C2 Hydrocarbons. Journal of the American Chemical Society, 2012, 134, 9852-9855.	13.7	82
54	Control of Molecular Rotor Rotational Frequencies in Porous Coordination Polymers Using a Solid-Solution Approach. Journal of the American Chemical Society, 2015, 137, 12183-12186.	13.7	78

#	Article	IF	Citations
55	Relationship between Channel and Sorption Properties in Coordination Polymers with Interdigitated Structures. Chemistry - A European Journal, 2011, 17, 5138-5144.	3.3	76
56	Postsynthesis Modification of a Porous Coordination Polymer by LiCl To Enhance H⁺ Transport. Journal of the American Chemical Society, 2013, 135, 4612-4615.	13.7	75
57	Mappingâ€Out Catalytic Processes in a Metalâ€"Organic Framework with Singleâ€Crystal Xâ€ray Crystallography. Angewandte Chemie - International Edition, 2017, 56, 8412-8416.	13.8	75
58	Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety. Angewandte Chemie - International Edition, 2012, 51, 8369-8372.	13.8	74
59	A Soft Copper(II) Porous Coordination Polymer with Unprecedented Aqua Bridge and Selective Adsorption Properties. Chemistry - A European Journal, 2012, 18, 13117-13125.	3.3	69
60	Highly Selective CO₂ Adsorption Accompanied with Low-Energy Regeneration in a Two-Dimensional Cu(II) Porous Coordination Polymer with Inorganic Fluorinated PF₆^{â€"} Anions. Inorganic Chemistry, 2013, 52, 280-285.	4.0	67
61	A Family of Rare Earth Porous Coordination Polymers with Different Flexibility for CO₂/C₂H₄ and CO₂/C₂H₆ Separation. Inorganic Chemistry, 2013, 52, 8244-8249.	4.0	67
62	Crystal engineering of a family of hybrid ultramicroporous materials based upon interpenetration and dichromate linkers. Chemical Science, 2016, 7, 5470-5476.	7.4	66
63	Storage of CO₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. Angewandte Chemie - International Edition, 2018, 57, 8687-8690.	13.8	64
64	Differences of crystal structure and dynamics between a soft porous nanocrystal and a bulk crystal. Chemical Communications, 2011, 47, 7632.	4.1	60
65	Crystal melting and glass formation in copper thiocyanate based coordination polymers. Chemical Communications, 2019, 55, 5455-5458.	4.1	57
66	Recognition of 1,3â€Butadiene by a Porous Coordination Polymer. Angewandte Chemie - International Edition, 2016, 55, 13784-13788.	13.8	55
67	Dynamic Transformation between Covalent Organic Frameworks and Discrete Organic Cages. Journal of the American Chemical Society, 2020, 142, 21279-21284.	13.7	54
68	Mechanical Alloying of Metalâ€"Organic Frameworks. Angewandte Chemie - International Edition, 2017, 56, 2413-2417.	13.8	53
69	Inclusion and dynamics of a polymerâ€"Li salt complex in coordination nanochannels. Chemical Communications, 2011, 47, 1722.	4.1	47
70	Coordination polymer glass from a protic ionic liquid: proton conductivity and mechanical properties as an electrolyte. Chemical Science, 2020, 11, 5175-5181.	7.4	47
71	Proton-conductive coordination polymer glass for solid-state anhydrous proton batteries. Chemical Science, 2021, 12, 5818-5824.	7.4	47
72	Tuning the Dimensionality of Inorganic Connectivity in Barium Coordination Polymers via Biphenyl Carboxylic Acid Ligands. Crystal Growth and Design, 2013, 13, 2965-2972.	3.0	46

#	Article	IF	Citations
73	Template-directed proton conduction pathways in a coordination framework. Journal of Materials Chemistry A, 2014, 2, 10404-10409.	10.3	46
74	Highly Processable Covalent Organic Framework Gel Electrolyte Enabled by Sideâ€Chain Engineering for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, e202110695.	13.8	44
75	Porous Coordination Polymer with Ï€ Lewis Acidic Pore Surfaces, {[Cu3(CN)3{hat(CN)3(OEt)3}]â‹…3â€‰THF}n. Angewandte Chemie - International Edition, 2006, 45, 4628-4631.	13.8	43
76	Formation of coordination polymer glass by mechanical milling: dependence on metal ions and molecular doping for H⁺ conductivity. Chemical Communications, 2018, 54, 6859-6862.	4.1	42
77	Flexible and Shape-Selective Guest Binding at CuII Axial Sites in 1-Dimensional CuIIâˆ'1,2-Bis(4-pyridyl)ethane Coordination Polymers. Inorganic Chemistry, 2006, 45, 9290-9300.	4.0	41
78	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, 11853-11855.	4.0	41
79	Five-Minute Mechanosynthesis of Hypercrosslinked Microporous Polymers. Chemistry of Materials, 2020, 32, 7694-7702.	6.7	41
80	Synthesis of Manganese ZIF-8 from [Mn(BH₄)₂Â·3THF]Â·NaBH₄. Inorganic Chemistry, 2017, 56, 8744-8747.	4.0	40
81	Solventâ€Vaporâ€Induced Reversible Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation of a Triphosphaazatrianguleneâ€Based Metalâ€"Organic Framework. Angewandte Chemie - International Edition, 2020, 59, 1435-1439.	13.8	40
82	Hypercrosslinked Polymer Gels as a Synthetic Hybridization Platform for Designing Versatile Molecular Separators. Journal of the American Chemical Society, 2022, 144, 6861-6870.	13.7	40
83	Mechanics, Ionics, and Optics of Metalâ€"Organic Framework and Coordination Polymer Glasses. Nano Letters, 2021, 21, 6382-6390.	9.1	39
84	Lanthanide-Based Porous Coordination Polymers: Syntheses, Slow Relaxation of Magnetization, and Magnetocaloric Effect. Inorganic Chemistry, 2018, 57, 6584-6598.	4.0	38
85	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.	10.3	36
86	Transparent and luminescent glasses of gold thiolate coordination polymers. Chemical Science, 2020, 11, 6815-6823.	7.4	36
87	KagomÃ© type extra-large microporous solid based on a paddle-wheel Cu2+ dimer. Chemical Communications, 2008, , 4436.	4.1	35
88	Chemical Adsorption and Physical Confinement of Polysulfides with the Janus-faced Interlayer for High-performance Lithium-Sulfur Batteries. Scientific Reports, 2017, 7, 17703.	3.3	35
89	A pH-responsive phase transformation of a sulfonated metalâ€"organic framework from amorphous to crystalline for efficient CO₂capture. CrystEngComm, 2016, 18, 2803-2807.	2.6	34
90	Fe2+-based layered porous coordination polymers and soft encapsulation of guests via redox activity. Journal of Materials Chemistry A, 2013, 1, 3675.	10.3	32

#	Article	IF	Citations
91	¹¹³Cd 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, 4166-4172.	4.0	31
92	Motion of methanol adsorbed in porous coordination polymer with paramagnetic metal ions. Chemical Communications, 2004, , 2152.	4.1	29
93	Spatial and Surface Design of Porous Coordination Polymers. Supramolecular Chemistry, 2007, 19, 75-78.	1.2	29
94	Investigation of post-grafted groups of a porous coordination polymer and its proton conduction behavior. Dalton Transactions, 2012, 41, 13261.	3.3	29
95	Homogenized Bimetallic Catalysts from Metalâ€"Organic Framework Alloys. Chemistry of Materials, 2019, 31, 4205-4212.	6.7	29
96	Novel Cu(I) Dinuclear Complexes Containing Î¼2-Î·2,Î·2-Type Benzoquinone Ligand. Journal of the American Chemical Society, 2003, 125, 1152-1153.	13.7	28
97	Siloxane D4 capture by hydrophobic microporous materials. Journal of Materials Chemistry A, 2013, 1, 7885.	10.3	28
98	DRIFT and Theoretical Studies of Ethylene/Ethane Separation on Flexible and Microporous [Cu₂(2,3â€pyrazinedicarboxylate)₂(pyrazine)]<i>_n</i>. European Journal of Inorganic Chemistry, 2014, 2014, 2747-2752.	2.0	28
99	Programmed crystallization via epitaxial growth and ligand replacement towards hybridizing porous coordination polymer crystals. Dalton Transactions, 2013, 42, 15868.	3.3	27
100	Modular Self-Assembly and Dynamics in Coordination Star Polymer Glasses: New Media for Ion Transport. Chemistry of Materials, 2018, 30, 8555-8561.	6.7	27
101	Stable melt formation of 2D nitrile-based coordination polymer and hierarchical crystalâ€"glass structuring. Chemical Communications, 2020, 56, 8980-8983.	4.1	27
102	Synthesis and Structural Flexibility of a Series of Copper(II) Azolate-Based Metal-Organic Frameworks. European Journal of Inorganic Chemistry, 2010, 2010, 3739-3744.	2.0	26
103	Unveiling liquid MOFs. Nature Materials, 2017, 16, 1054-1055.	27.5	25
104	Fabrication of Îµ-Fe₂N Catalytic Sites in Porous Carbons Derived from an Ironâ€"Triazolate Crystal. Chemistry of Materials, 2018, 30, 1830-1834.	6.7	24
105	Glass-phase coordination polymer displaying proton conductivity and guest-accessible porosity. Chemical Communications, 2019, 55, 8528-8531.	4.1	24
106	Synthesis and Porous Properties of Chromium Azolate Porous Coordination Polymers. Inorganic Chemistry, 2014, 53, 9870-9875.	4.0	23
107	Polymorphism of Mixed Metal Cr/Fe Terephthalate Metalâ€"Organic Frameworks Utilizing a Microwave Synthetic Method. Crystal Growth and Design, 2019, 19, 5581-5591.	3.0	23
108	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. Angewandte Chemie, 2016, 128, 5281-5286.	2.0	22

#	Article	IF	Citations
109	A porous coordination polymer with a reactive diiron paddlewheel unit. Chemical Communications, 2014, 50, 2292.	4.1	21
110	Control of pore distribution of porous carbons derived from Mg²⁺ porous coordination polymers. Inorganic Chemistry Frontiers, 2015, 2, 473-476.	6.0	21
111	Mechanical Alloying of Metalâ€"Organic Frameworks. Angewandte Chemie, 2017, 129, 2453-2457.	2.0	21
112	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. Angewandte Chemie, 2017, 129, 5058-5063.	2.0	21
113	Crystal melting and vitrification behaviors of a three-dimensional nitrile-based metalâ€"organic framework. Faraday Discussions, 2021, 225, 403-413.	3.2	21
114	Exploration of glassy state in Prussian blue analogues. Nature Communications, 2022, 13, .	12.8	21
115	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.	1.5	20
116	Mappingâ€Out Catalytic Processes in a Metalâ€"Organic Framework with Singleâ€Crystal Xâ€ray Crystallography. Angewandte Chemie, 2017, 129, 8532-8536.	2.0	20
117	Porous Feâ€"Nâ€"C Catalysts for Rechargeable Zincâ€"Air Batteries from an Iron-Imidazolate Coordination Polymer. ACS Sustainable Chemistry and Engineering, 2019, 7, 4030-4036.	6.7	20
118	Proton Conductivity via Trapped Water in Phosphonate-Based Metalâ€"Organic Frameworks Synthesized in Aqueous Media. Inorganic Chemistry, 2021, 60, 1086-1091.	4.0	20
119	Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. APL Materials, 2014, 2, .	5.1	19
120	Fast Conduction of Organic Cations in Metal Sulfate Frameworks. Chemistry of Materials, 2016, 28, 3968-3975.	6.7	19
121	Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie, 2020, 132, 16147-16156.	2.0	19
122	Hostâ€"Guest Assembly of H-Bonding Networks in Covalent Organic Frameworks for Ultrafast and Anhydrous Proton Transfer. ACS Applied Materials & Interfaces, 2021, 13, 37172-37178.	8.0	19
123	Storage of CO₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. Angewandte Chemie, 2018, 130, 8823-8826.	2.0	18
124	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet. Chemistry - A European Journal, 2017, 23, 8443-8449.	3.3	17
125	Facile preparation of hybrid thin films composed of spin-crossover nanoparticles and carbon nanotubes for electrical memory devices. Dalton Transactions, 2019, 48, 7074-7079.	3.3	17
126	Eine neue Dimension von Koordinationspolymeren und Metallâ€organischen GerÃ¼sten: hin zu funktionellen GlÃsern und FlÃ¼ssigkeiten. Angewandte Chemie, 2020, 132, 6716-6729.	2.0	17

#	Article	IF	Citations
127	Incorporation of Al³⁺ Sites on BrÃ¸nsted Acid Metalâ€“Organic Frameworks for Glucoseâ€toâ€Hydroxylmethylfurfural Transformation. Small, 2021, 17, e2006541.	10.0	17
128	Encapsulating Ultrastable Metal Nanoparticles within Reticular Schiff Base Nanospaces for Enhanced Catalytic Performance. Cell Reports Physical Science, 2021, 2, 100289.	5.6	16
129	Processable UiO-66 Metalâ€“Organic Framework Fluid Gel and Electrical Conductivity of Its Nanofilm with Sub-100 nm Thickness. ACS Applied Materials & Interfaces, 2021, 13, 30844-30852.	8.0	16
130	Chemistry and application of porous coordination polymers. Studies in Surface Science and Catalysis, 2007, , 1983-1990.	1.5	15
131	Photoluminescent coordination polymer bulk glasses and laser-induced crystallization. Chemical Science, 2022, 13, 3281-3287.	7.4	15
132	Recent progress of amorphous and glassy coordination polymers. Coordination Chemistry Reviews, 2022, 469, 214646.	18.8	15
133	Formation of Foamâ€like Microstructural Carbon Material by Carbonization of Porous Coordination Polymers through a Ligandâ€Assisted Foaming Process. Chemistry - A European Journal, 2015, 21, 13278-13283.	3.3	14
134	The effect of amorphization on the molecular motion of the 2-methylimidazolate linkers in ZIF-8. Chemical Communications, 2019, 55, 5906-5909.	4.1	14
135	One-Pot, Room-Temperature Conversion of CO₂ into Porous Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 16750-16757.	13.7	14
136	Network Size Control in Coordination Polymer Glasses and Its Impact on Viscosity and H⁺ Conductivity. Chemistry of Materials, 2022, 34, 5832-5841.	6.7	14
137	Exploitation of missing linker in Zr-based metal-organic framework as the catalyst support for selective oxidation of benzyl alcohol. APL Materials, 2019, 7, .	5.1	13
138	Structural Optimization of Interpenetrated Pillaredâ€Layer Coordination Polymers for Ethylene/Ethane Separation. Chemistry - an Asian Journal, 2014, 9, 1643-1647.	3.3	12
139	Cooperativity and Metalâ€“Linker Dynamics in Spin Crossover Framework Fe(1,2,3-triazolate)₂. Chemistry of Materials, 2021, 33, 8534-8545.	6.7	12
140	A proton-hopping charge storage mechanism of ionic one-dimensional coordination polymers for high-performance supercapacitors. Chemical Communications, 2017, 53, 11786-11789.	4.1	11
141	An Allosteric Metalâ€“Organic Framework That Exhibits Multiple Pore Configurations for the Optimization of Hydrocarbon Separation. Chemistry - an Asian Journal, 2019, 14, 3552-3556.	3.3	11
142	Synthesis and Adsorption Properties of Azulene-containing Porous Interdigitated Framework. Chemistry Letters, 2012, 41, 425-426.	1.3	9
143	An integrated function system using metal nanoparticle@mesoporous silica@metal-organic framework hybrids. Microporous and Mesoporous Materials, 2017, 245, 104-108.	4.4	9
144	The role of lattice vibration in the terahertz region for proton conduction in 2D metalâ€“organic frameworks. Chemical Science, 2020, 11, 1538-1541.	7.4	9

#	Article	IF	Citations
145	Reactivity of borohydride incorporated in coordination polymers toward carbon dioxide. Chemical Communications, 2020, 56, 5111-5114.	4.1	9
146	Construction of unimpeded proton-conducting pathways in solution-processed nanoporous polymer membranes. Materials Horizons, 2021, 8, 3088-3095.	12.2	9
147	Modulation of proton conductivity in coordination polymer mixed glasses. Chemical Communications, 2022, 58, 6064-6067.	4.1	9
148	Synthesis and characterization of robust three-dimensional chiral metal sulfates. RSC Advances, 2014, 4, 50435-50442.	3.6	7
149	Synthesis of Oligodiacetylene Derivatives from Flexible Porous Coordination Frameworks. Journal of the American Chemical Society, 2017, 139, 13876-13881.	13.7	7
150	Design of Porous Coordination Polymers/Metal-Organic Frameworks: Past, Present and Future. , 2011, , 1-21.		6
151	Unsaturated Mn(II)-Centered [Mn(BDC)]_{<i>n</i>} Metalâ€“Organic Framework with Strong Water Binding Ability and Its Potential for Dehydration of an Ethanol/Water Mixture. Inorganic Chemistry, 2018, 57, 13075-13078.	4.0	6
152	Chiral tetranuclear copper(ii) complexes: synthesis, optical and magnetic properties. New Journal of Chemistry, 2020, 44, 16845-16855.	2.8	6
153	Complex hydrides for CO2 reduction. MRS Bulletin, 2022, 47, 424-431.	3.5	6
154	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity. , 2010, , 232-237.		5
155	Synthesis of porous coordination polymers using carbon dioxide as a direct source. Chemical Communications, 2019, 55, 9283-9286.	4.1	5
156	Solventâ€Vaporâ€Induced Reversible Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation of a Triphosphaazatrianguleneâ€Based Metalâ€“Organic Framework. Angewandte Chemie, 2020, 132, 1451-1455.	2.0	5
157	Highly Processable Covalent Organic Framework Gel Electrolyte Enabled by Sideâ€Chain Engineering for Lithiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	5
158	Study on a 2D layer coordination framework showing order-to-disorder phase transition by ionothermal synthesis. Polymer Journal, 2015, 47, 141-145.	2.7	4
159	Recognition of 1,3â€Butadiene by a Porous Coordination Polymer. Angewandte Chemie, 2016, 128, 13988-13992.	2.0	4
160	Imidazolium cation transportation in a 1-D coordination polymer. Dalton Transactions, 2017, 46, 10798-10801.	3.3	4
161	Borohydride-containing coordination polymers: synthesis, air stability and dehydrogenation. Chemical Science, 2019, 10, 6193-6198.	7.4	4
162	Soft 2D Layer Porous Coordination Polymers with 1,2-Di(4-pyridyl)ethane. Australian Journal of Chemistry, 2013, 66, 464.	0.9	3

#	Article	IF	Citations
163	Kagome-type isostructural 3D-transition metal fluorosulfates with spin 3/2 and 1: synthesis, structure and characterization. Dalton Transactions, 2016, 45, 17792-17797.	3.3	3
164	Metalâ€"Carbon Composite Catalysts by One-Step Conversion of MOF Crystals in a Sealed-Tube Reactor. ACS Applied Energy Materials, 2020, 3, 11529-11533.	5.1	3
165	Synthetic Strategy for Incorporating Carboxylate Ligands into Coordination Polymers under a Solvent-Free Reaction. Crystal Growth and Design, 2021, 21, 6031-6036.	3.0	3
166	Late-stage modification of Ï€-electron systems based on asymmetric oxidation of a medium-sized sulfur-containing ring. Chemical Communications, 2022, 58, 2548-2551.	4.1	3
167	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.	13.8	2
168	Sugar Conversion: Incorporation of Al³⁺ Sites on BrÃ¸nsted Acid Metalâ€"Organic Frameworks for Glucoseâ€toâ€Hydroxylmethylfurfural Transformation (Small 22/2021). Small, 2021, 17, 2170108.	10.0	2
169	Mixed-Metal Cuâ€"Zn Thiocyanate Coordination Polymers with Melting Behavior, Glass Transition, and Tunable Electronic Properties. Inorganic Chemistry, 2021, 60, 16149-16159.	4.0	2
170	Cyclic Solidâ€State Multiple Phase Changes with Tuned Photoemission in a Gold Thiolate Coordination Polymer. Angewandte Chemie, 0, , .	2.0	2
171	Cyclic Solidâ€State Multiple Phase Changes with Tuned Photoemission in a Gold Thiolate Coordination Polymer. Angewandte Chemie - International Edition, 2022, , .	13.8	2
172	Synthesis and Strong Ï€â€"Ï€ Interaction of Hexaazatriphenylene Derivatives with Alternating Electronâ€Withdrawing and â€Donating Groups. Chemistry - an Asian Journal, 2022, , .	3.3	2
173	Selfâ€Straining Nanocrystals Strategy: Temperature and Pressure Coâ€Induced Phase Transitions of CsPbBr ₃ in Amorphous Matrices. Advanced Optical Materials, 0, , 2200818.	7.3	2
174	High Removal Efficiency and Regeneration Property of Formaldehyde Capture by Ti4+-based Porous Coordination Polymer. Chemistry Letters, 2015, 44, 1694-1696.	1.3	1
175	Porosity Distribution Control in Carbon by Tuning the Carbonization Rate in Porous Coordination Polymers. Chemistry Letters, 2017, 46, 1650-1653.	1.3	1
176	Mechanical Force Induced Formation of Extrinsic Micropores in Coordination Polymers. Inorganic Chemistry, 2022, 61, 3379-3386.	4.0	1
177	3ï¼Žé‡'å±žâ€"æœ‰æ©Ÿæ§‹é€ ä½"ã«ãŠã'ã‚‹ã‚¤ã‚ªãƒ³ä¼å°Ž. Electrochemistry, 2016, 84, 35-40.	1.4	0
178	RÃ¼cktitelbild: Solventâ€Vaporâ€Induced Reversible Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation of a Triphosphaazatrianguleneâ€Based Metalâ€"Organic Framework (Angew. Chem. 4/2020). Angewandte Chemie, 2020, 132, 1760-1760.	2.0	0
179	Frontispiz: Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie, 2020, 132, .	2.0	0
180	Frontispiece: Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0

#	Article	IF	Citations
181	Control of Dynamic Motion in Coordination Frameworks for Energy-related Functions. Bulletin of Japan Society of Coordination Chemistry, 2014, 63, 38-45.	0.2	0