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	Highly Processable Covalent Organic Framework Gel Electrolyte Enabled by Sideâ€Chain Engineering for Lithiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	5
2	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
3	Metalâ€“Organic Network-Forming Glasses. Chemical Reviews, 2022, 122, 4163-4203.	47.7	121
4	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
5	Cyclic Solidâ€State Multiple Phase Changes with Tuned Photoemission in a Gold Thiolate Coordination Polymer. Angewandte Chemie - International Edition, 2022, , .	13.8	2
6	Photoluminescent coordination polymer bulk glasses and laser-induced crystallization. Chemical Science, 2022, 13, 3281-3287.	7.4	15
7	Mechanical Force Induced Formation of Extrinsic Micropores in Coordination Polymers. Inorganic Chemistry, 2022, 61, 3379-3386.	4.0	1
8	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
9	Modulation of proton conductivity in coordination polymer mixed glasses. Chemical Communications, 2022, 58, 6064-6067.	4.1	9
10	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
11	Complex hydrides for CO2 reduction. MRS Bulletin, 2022, 47, 424-431.	3.5	6
12	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
13	Recent progress of amorphous and glassy coordination polymers. Coordination Chemistry Reviews, 2022, 469, 214646.	18.8	15
14	Exploration of glassy state in Prussian blue analogues. Nature Communications, 2022, 13, .	12.8	21
15	Crystal melting and vitrification behaviors of a three-dimensional nitrile-based metalâ€“organic framework. Faraday Discussions, 2021, 225, 403-413.	3.2	21
16	Construction of unimpeded proton-conducting pathways in solution-processed nanoporous polymer membranes. Materials Horizons, 2021, 8, 3088-3095.	12.2	9
17	Encapsulating Ultrastable Metal Nanoparticles within Reticular Schiff Base Nanospaces for Enhanced Catalytic Performance. Cell Reports Physical Science, 2021, 2, 100289.	5.6	16
18	Proton Conductivity via Trapped Water in Phosphonate-Based Metalâ€“Organic Frameworks Synthesized in Aqueous Media. Inorganic Chemistry, 2021, 60, 1086-1091.	4.0	20

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19	Proton-conductive coordination polymer glass for solid-state anhydrous proton batteries. Chemical Science, 2021, 12, 5818-5824.	7.4	47
20	Incorporation of Al³⁺ Sites on BrÃ¸nsted Acid Metalâ€“Organic Frameworks for Glucoseâ€toâ€Hydroxymethylfurfural Transformation. Small, 2021, 17, e2006541.	10.0	17
21	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
22	Sugar Conversion: Incorporation of Al³⁺ Sites on BrÃ¸nsted Acid Metalâ€“Organic Frameworks for Glucoseâ€toâ€Hydroxymethylfurfural Transformation (Small 22/2021). Small, 2021, 17, 2170108.	10.0	2
23	Mechanics, Ionics, and Optics of Metalâ€“Organic Framework and Coordination Polymer Glasses. Nano Letters, 2021, 21, 6382-6390.	9.1	39
24	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
25	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
26	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
27	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
28	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
29	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
30	A Dualâ€Ligand Porous Coordination Polymer Chemiresistor with Modulated Conductivity and Porosity. Angewandte Chemie - International Edition, 2020, 59, 172-176.	13.8	124
31	Eine neue Dimension von Koordinationspolymeren und Metallâ€organischen GerÃ¼sten: hin zu funktionellen GlÃsern und FlÃ¼ssigkeiten. Angewandte Chemie, 2020, 132, 6716-6729.	2.0	17
32	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
33	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
34	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
35	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
36	Five-Minute Mechanosynthesis of Hypercrosslinked Microporous Polymers. Chemistry of Materials, 2020, 32, 7694-7702.	6.7	41

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37	Perfluoroalkyl-Functionalized Covalent Organic Frameworks with Superhydrophobicity for Anhydrous Proton Conduction. Journal of the American Chemical Society, 2020, 142, 14357-14364.	13.7	167
38	Chiral tetranuclear copper(ii) complexes: synthesis, optical and magnetic properties. New Journal of Chemistry, 2020, 44, 16845-16855.	2.8	6
39	Frontispiz: Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie, 2020, 132, .	2.0	0
40	Frontispiece: Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0
41	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
42	Dynamic Transformation between Covalent Organic Frameworks and Discrete Organic Cages. Journal of the American Chemical Society, 2020, 142, 21279-21284.	13.7	54
43	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
44	Transparent and luminescent glasses of gold thiolate coordination polymers. Chemical Science, 2020, 11, 6815-6823.	7.4	36
45	Reactivity of borohydride incorporated in coordination polymers toward carbon dioxide. Chemical Communications, 2020, 56, 5111-5114.	4.1	9
46	Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie, 2020, 132, 16147-16156.	2.0	19
47	Stable melt formation of 2D nitrile-based coordination polymer and hierarchical crystalâ€"glass structuring. Chemical Communications, 2020, 56, 8980-8983.	4.1	27
48	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
49	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
50	Glass-phase coordination polymer displaying proton conductivity and guest-accessible porosity. Chemical Communications, 2019, 55, 8528-8531.	4.1	24
51	Synthesis of porous coordination polymers using carbon dioxide as a direct source. Chemical Communications, 2019, 55, 9283-9286.	4.1	5
52	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
53	Homogenized Bimetallic Catalysts from Metalâ€"Organic Framework Alloys. Chemistry of Materials, 2019, 31, 4205-4212.	6.7	29
54	Borohydride-containing coordination polymers: synthesis, air stability and dehydrogenation. Chemical Science, 2019, 10, 6193-6198.	7.4	4

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55	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
56	A Single-Crystal Open-Capsule Metalâ€"Organic Framework. Journal of the American Chemical Society, 2019, 141, 7906-7916.	13.7	179
57	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
58	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
59	Crystal melting and glass formation in copper thiocyanate based coordination polymers. Chemical Communications, 2019, 55, 5455-5458.	4.1	57
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	MOFsâ€Based Heterogeneous Catalysts: New Opportunities for Energyâ€Related CO₂ Conversion. Advanced Energy Materials, 2018, 8, 1801587.	19.5	158
69	Liquid, glass and amorphous solid states of coordination polymers and metalâ€"organic frameworks. Nature Reviews Materials, 2018, 3, 431-440.	48.7	314
70	Storage of CO₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. Angewandte Chemie - International Edition, 2018, 57, 8687-8690.	13.8	64
71	Lanthanide-Based Porous Coordination Polymers: Syntheses, Slow Relaxation of Magnetization, and Magnetocaloric Effect. Inorganic Chemistry, 2018, 57, 6584-6598.	4.0	38
72	Storage of CO₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. Angewandte Chemie, 2018, 130, 8823-8826.	2.0	18

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73	Mechanical Alloying of Metalâ€"Organic Frameworks. Angewandte Chemie, 2017, 129, 2453-2457.	2.0	21
74	Mechanical Alloying of Metalâ€"Organic Frameworks. Angewandte Chemie - International Edition, 2017, 56, 2413-2417.	13.8	53
75	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
76	Mappingâ€Out Catalytic Processes in a Metalâ€"Organic Framework with Singleâ€Crystal Xâ€ray Crystallography. Angewandte Chemie, 2017, 129, 8532-8536.	2.0	20
77	An integrated function system using metal nanoparticle@mesoporous silica@metal-organic framework hybrids. Microporous and Mesoporous Materials, 2017, 245, 104-108.	4.4	9
78	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. Angewandte Chemie - International Edition, 2017, 56, 4976-4981.	13.8	83
79	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet. Chemistry - A European Journal, 2017, 23, 8443-8449.	3.3	17
80	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. Angewandte Chemie, 2017, 129, 5058-5063.	2.0	21
81	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
82	Unveiling liquid MOFs. Nature Materials, 2017, 16, 1054-1055.	27.5	25
83	Synthesis of Oligodiacetylene Derivatives from Flexible Porous Coordination Frameworks. Journal of the American Chemical Society, 2017, 139, 13876-13881.	13.7	7
84	Porosity Distribution Control in Carbon by Tuning the Carbonization Rate in Porous Coordination Polymers. Chemistry Letters, 2017, 46, 1650-1653.	1.3	1
85	Imidazolium cation transportation in a 1-D coordination polymer. Dalton Transactions, 2017, 46, 10798-10801.	3.3	4
86	Synthesis of Manganese ZIF-8 from [Mn(BH₄)₂Â·3THF]Â·NaBH₄. Inorganic Chemistry, 2017, 56, 8744-8747.	4.0	40
87	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
88	3ï¼Žé‡'å±žâ€"æœ‰æ©Ÿæ§‹é€ä½"ã«ãŠã'ã‚‹ã‚¸ã‚ªãƒ³ä¼å°Ž. Electrochemistry, 2016, 84, 35-40.	1.4	0
89	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
90	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

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91	Fast Conduction of Organic Cations in Metal Sulfate Frameworks. Chemistry of Materials, 2016, 28, 3968-3975.	6.7	19
92	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
93	Crystal engineering of a family of hybrid ultramicroporous materials based upon interpenetration and dichromate linkers. Chemical Science, 2016, 7, 5470-5476.	7.4	66
94	Recognition of 1,3â€Butadiene by a Porous Coordination Polymer. Angewandte Chemie, 2016, 128, 13988-13992.	2.0	4
95	Recognition of 1,3â€Butadiene by a Porous Coordination Polymer. Angewandte Chemie - International Edition, 2016, 55, 13784-13788.	13.8	55
96	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
97	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
98	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. Angewandte Chemie, 2016, 128, 5281-5286.	2.0	22
99	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
100	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
101	High Removal Efficiency and Regeneration Property of Formaldehyde Capture by Ti4+-based Porous Coordination Polymer. Chemistry Letters, 2015, 44, 1694-1696.	1.3	1
102	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
103	Reversible Solid-to-Liquid Phase Transition of Coordination Polymer Crystals. Journal of the American Chemical Society, 2015, 137, 864-870.	13.7	178
104	Control of pore distribution of porous carbons derived from Mg²⁺ porous coordination polymers. Inorganic Chemistry Frontiers, 2015, 2, 473-476.	6.0	21
105	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
106	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
107	Template-directed proton conduction pathways in a coordination framework. Journal of Materials Chemistry A, 2014, 2, 10404-10409.	10.3	46
108	A porous coordination polymer with a reactive diiron paddlewheel unit. Chemical Communications, 2014, 50, 2292.	4.1	21

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109	Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. APL Materials, 2014, 2, .	5.1	19
110	Synthesis and characterization of robust three-dimensional chiral metal sulfates. RSC Advances, 2014, 4, 50435-50442.	3.6	7
111	Order-to-disorder structural transformation of a coordination polymer and its influence on proton conduction. Chemical Communications, 2014, 50, 10241-10243.	4.1	88
112	Structural Optimization of Interpenetrated Pillaredâ€Layer Coordination Polymers for Ethylene/Ethane Separation. Chemistry - an Asian Journal, 2014, 9, 1643-1647.	3.3	12
113	Synthesis and Porous Properties of Chromium Azolate Porous Coordination Polymers. Inorganic Chemistry, 2014, 53, 9870-9875.	4.0	23
114	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
115	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
116	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
117	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
118	Siloxane D4 capture by hydrophobic microporous materials. Journal of Materials Chemistry A, 2013, 1, 7885.	10.3	28
119	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
120	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
121	Pore Design of Two-Dimensional Coordination Polymers toward Selective Adsorption. Inorganic Chemistry, 2013, 52, 3634-3642.	4.0	89
122	Soft 2D Layer Porous Coordination Polymers with 1,2-Di(4-pyridyl)ethane. Australian Journal of Chemistry, 2013, 66, 464.	0.9	3
123	Programmed crystallization via epitaxial growth and ligand replacement towards hybridizing porous coordination polymer crystals. Dalton Transactions, 2013, 42, 15868.	3.3	27
124	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
125	Ion Conductivity and Transport by Porous Coordination Polymers and Metalâ€“Organic Frameworks. Accounts of Chemical Research, 2013, 46, 2376-2384.	15.6	728
126	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

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127	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
128	Synthesis and Adsorption Properties of Azulene-containing Porous Interdigitated Framework. Chemistry Letters, 2012, 41, 425-426.	1.3	9
129	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
130	Investigation of post-grafted groups of a porous coordination polymer and its proton conduction behavior. Dalton Transactions, 2012, 41, 13261.	3.3	29
131	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
132	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
133	Inherent Proton Conduction in a 2D Coordination Framework. Journal of the American Chemical Society, 2012, 134, 12780-12785.	13.7	261
134	Coordination-Network-Based Ionic Plastic Crystal for Anhydrous Proton Conductivity. Journal of the American Chemical Society, 2012, 134, 7612-7615.	13.7	237
135	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
136	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
137	An Alkaline Earth I³O⁰ Porous Coordination Polymer: [Ba₂TMA(NO₃)(DMF)]. Angewandte Chemie - International Edition, 2012, 51, 6107-6111.	13.8	87
138	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
139	Differences of crystal structure and dynamics between a soft porous nanocrystal and a bulk crystal. Chemical Communications, 2011, 47, 7632.	4.1	60
140	Inclusion and dynamics of a polymerâ€"Li salt complex in coordination nanochannels. Chemical Communications, 2011, 47, 1722.	4.1	47
141	Design of Porous Coordination Polymers/Metal-Organic Frameworks: Past, Present and Future. , 2011, , 1-21.		6
142	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
143	Confinement of Mobile Histamine in Coordination Nanochannels for Fast Proton Transfer. Angewandte Chemie - International Edition, 2011, 50, 11706-11709.	13.8	245
144	Relationship between Channel and Sorption Properties in Coordination Polymers with Interdigitated Structures. Chemistry - A European Journal, 2011, 17, 5138-5144.	3.3	76

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145	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
146	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
147	Solid Solutions of Soft Porous Coordination Polymers: Fineâ€Tuning of Gas Adsorption Properties. Angewandte Chemie - International Edition, 2010, 49, 4820-4824.	13.8	291
148	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
149	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity. , 2010, , 232-237.		5
150	Enhanced selectivity of CO2 from a ternary gas mixture in an interdigitated porous framework. Chemical Communications, 2010, 46, 4258.	4.1	106
151	Modification of flexible part in Cu2+ interdigitated framework for CH4/CO2 separation. Chemical Communications, 2010, 46, 9229.	4.1	86
152	Soft porous crystals. Nature Chemistry, 2009, 1, 695-704.	13.6	2,099
153	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high protonÂconductivity. Nature Materials, 2009, 8, 831-836.	27.5	709
154	Porous Coordination Polymer with Pyridinium Cationic Surface, [Zn₂(tpa)₂(cpb)]. Journal of the American Chemical Society, 2009, 131, 10336-10337.	13.7	112
155	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
156	Kinetic Gateâ€Opening Process in a Flexible Porous Coordination Polymer. Angewandte Chemie - International Edition, 2008, 47, 3914-3918.	13.8	288
157	Storage and Sorption Properties of Acetylene in Jungleâ€Gymâ€Like Open Frameworks. Chemistry - an Asian Journal, 2008, 3, 1343-1349.	3.3	82
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