

Satoshi Horike

List of Publications by Year in descending order

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181
papers

16,938
citations

16437

64
h-index

14736

127
g-index

198
all docs

198
docs citations

198
times ranked

12708
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft porous crystals. <i>Nature Chemistry</i> , 2009, 1, 695-704.	6.6	2,099
2	Three-Dimensional Porous Coordination Polymer Functionalized with Amide Groups Based on Tridentate Ligand: A Selective Sorption and Catalysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 2607-2614.	6.6	921
3	Size-Selective Lewis Acid Catalysis in a Microporous Metal-Organic Framework with Exposed Mn ²⁺ Coordination Sites. <i>Journal of the American Chemical Society</i> , 2008, 130, 5854-5855.	6.6	804
4	Ion Conductivity and Transport by Porous Coordination Polymers and Metal-Organic Frameworks. <i>Accounts of Chemical Research</i> , 2013, 46, 2376-2384.	7.6	728
5	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity. <i>Nature Materials</i> , 2009, 8, 831-836.	13.3	709
6	An Adsorbate Discriminatory Gate Effect in a Flexible Porous Coordination Polymer for Selective Adsorption of CO ₂ over C ₂ H ₂ . <i>Journal of the American Chemical Society</i> , 2016, 138, 3022-3030.	6.6	359
7	Liquid, glass and amorphous solid states of coordination polymers and metal-organic frameworks. <i>Nature Reviews Materials</i> , 2018, 3, 431-440.	23.3	314
8	Hydrogen storage and carbon dioxide capture in an iron-based sodalite-type metal-organic framework (Fe-BTT) discovered via high-throughput methods. <i>Chemical Science</i> , 2010, 1, 184.	3.7	294
9	Solid Solutions of Soft Porous Coordination Polymers: Fine-Tuning of Gas Adsorption Properties. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4820-4824.	7.2	291
10	Kinetic Gate-Opening Process in a Flexible Porous Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3914-3918.	7.2	288
11	Guest Shape-Responsive Fitting of Porous Coordination Polymer with Shrinkable Framework. <i>Journal of the American Chemical Society</i> , 2004, 126, 14063-14070.	6.6	286
12	Nanochannels of Two Distinct Cross-Sections in a Porous Al-Based Coordination Polymer. <i>Journal of the American Chemical Society</i> , 2008, 130, 13664-13672.	6.6	280
13	Inherent Proton Conduction in a 2D Coordination Framework. <i>Journal of the American Chemical Society</i> , 2012, 134, 12780-12785.	6.6	261
14	Synthesis and Hydrogen Storage Properties of Be ₁₂ (OH) ₁₂ (1,3,5-benzenetricarboxylate) ₄ . <i>Journal of the American Chemical Society</i> , 2009, 131, 15120-15121.	6.6	247
15	Confinement of Mobile Histamine in Coordination Nanochannels for Fast Proton Transfer. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11706-11709.	7.2	245
16	Coordination-Network-Based Ionic Plastic Crystal for Anhydrous Proton Conductivity. <i>Journal of the American Chemical Society</i> , 2012, 134, 7612-7615.	6.6	237
17	Dynamic Motion of Building Blocks in Porous Coordination Polymers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7226-7230.	7.2	233
18	Accumulation of Glassy Poly(ethylene oxide) Anchored in a Covalent Organic Framework as a Solid-State Li ⁺ Electrolyte. <i>Journal of the American Chemical Society</i> , 2019, 141, 1227-1234.	6.6	232

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19	High CO ₂ /CH ₄ and C ₂ Hydrocarbons/CH ₄ Selectivity in a Chemically Robust Porous Coordination Polymer. <i>Advanced Functional Materials</i> , 2013, 23, 3525-3530.	7.8	182
20	Selective guest sorption in an interdigitated porous framework with hydrophobic pore surfaces. <i>Chemical Communications</i> , 2007, , 3395.	2.2	179
21	A Single-Crystal Open-Capsule Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 7906-7916.	6.6	179
22	Reversible Solid-to-Liquid Phase Transition of Coordination Polymer Crystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 864-870.	6.6	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. <i>Journal of the American Chemical Society</i> , 2007, 129, 10990-10991.	6.6	170
24	Ligand-based solid solution approach to stabilisation of sulphonic acid groups in porous coordination polymer Zr ₆ O ₄ (OH) ₄ (BDC) ₆ (UiO-66). <i>Dalton Transactions</i> , 2012, 41, 13791.	1.6	170
25	Perfluoroalkyl-Functionalized Covalent Organic Frameworks with Superhydrophobicity for Anhydrous Proton Conduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 14357-14364.	6.6	167
26	A Flexible Porous Coordination Polymer Functionalized by Unsaturated Metal Clusters. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 889-892.	7.2	161
27	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. <i>Chemistry of Materials</i> , 2016, 28, 2659-2667.	3.2	160
28	MOFs-Based Heterogeneous Catalysts: New Opportunities for Energy-Related CO ₂ Conversion. <i>Advanced Energy Materials</i> , 2018, 8, 1801587.	10.2	158
29	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16013-16022.	7.2	151
30	Anthracene array-type porous coordination polymer with host-guest charge transfer interactions in excited states. <i>Chemical Communications</i> , 2007, , 3142.	2.2	150
31	Radical polymerisation of styrene in porous coordination polymers. <i>Chemical Communications</i> , 2005, , 5968.	2.2	148
32	A solid solution approach to 2D coordination polymers for CH ₄ /CO ₂ and CH ₄ /C ₂ H ₆ gas separation: equilibrium and kinetic studies. <i>Chemical Science</i> , 2012, 3, 116-120.	3.7	148
33	Encapsulating Mobile Proton Carriers into Structural Defects in Coordination Polymer Crystals: High Anhydrous Proton Conduction and Fuel Cell Application. <i>Journal of the American Chemical Society</i> , 2016, 138, 8505-8511.	6.6	146
34	A New Dimension for Coordination Polymers and Metal-Organic Frameworks: Towards Functional Glasses and Liquids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6652-6664.	7.2	146
35	Immobilization of Sodium Ions on the Pore Surface of a Porous Coordination Polymer. <i>Journal of the American Chemical Society</i> , 2006, 128, 4222-4223.	6.6	136
36	Conformation and Molecular Dynamics of Single Polystyrene Chain Confined in Coordination Nanospace. <i>Journal of the American Chemical Society</i> , 2008, 130, 6781-6788.	6.6	133

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37	Polymerization in Coordination Nanospaces. Chemistry - an Asian Journal, 2006, 1, 36-44.	1.7	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.	6.6	127
39	A Dual-Ligand Porous Coordination Polymer Chemiresistor with Modulated Conductivity and Porosity. Angewandte Chemie - International Edition, 2020, 59, 172-176.	7.2	124
40	Metal-Organic Network-Forming Glasses. Chemical Reviews, 2022, 122, 4163-4203.	23.0	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.	6.6	117
42	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. Angewandte Chemie - International Edition, 2016, 55, 5195-5200.	7.2	113
43	Porous Coordination Polymer with Pyridinium Cationic Surface, [Zn ₂ (tpa) ₂ (cpb)]. Journal of the American Chemical Society, 2009, 131, 10336-10337.	6.6	112
44	Enhanced selectivity of CO ₂ from a ternary gas mixture in an interdigitated porous framework. Chemical Communications, 2010, 46, 4258.	2.2	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.	6.6	105
46	Coordination pillared-layer type compounds having pore surface functionalization by anionic sulfonate groups. Chemical Communications, 2008, , 471-473.	2.2	94
47	Pore Design of Two-Dimensional Coordination Polymers toward Selective Adsorption. Inorganic Chemistry, 2013, 52, 3634-3642.	1.9	89
48	Order-to-disorder structural transformation of a coordination polymer and its influence on proton conduction. Chemical Communications, 2014, 50, 10241-10243.	2.2	88
49	An Alkaline Earth I ³⁺ O ⁰ Porous Coordination Polymer: [Ba ₂ TMA(NO ₃)(DMF)]. Angewandte Chemie - International Edition, 2012, 51, 6107-6111.	7.2	87
50	Modification of flexible part in Cu ²⁺ interdigitated framework for CH ₄ /CO ₂ separation. Chemical Communications, 2010, 46, 9229.	2.2	86
51	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. Angewandte Chemie - International Edition, 2017, 56, 4976-4981.	7.2	83
52	Storage and Sorption Properties of Acetylene in Jungle-Gym-Like Open Frameworks. Chemistry - an Asian Journal, 2008, 3, 1343-1349.	1.7	82
53	Dense Coordination Network Capable of Selective CO ₂ Capture from C ₁ and C ₂ Hydrocarbons. Journal of the American Chemical Society, 2012, 134, 9852-9855.	6.6	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.	6.6	78

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55	Relationship between Channel and Sorption Properties in Coordination Polymers with Interdigitated Structures. <i>Chemistry - A European Journal</i> , 2011, 17, 5138-5144.	1.7	76
56	Postsynthesis Modification of a Porous Coordination Polymer by LiCl To Enhance H ⁺ Transport. <i>Journal of the American Chemical Society</i> , 2013, 135, 4612-4615.	6.6	75
57	Mapping Out Catalytic Processes in a Metal-Organic Framework with Single-Crystal X-ray Crystallography. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8412-8416.	7.2	75
58	Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8369-8372.	7.2	74
59	A Soft Copper(II) Porous Coordination Polymer with Unprecedented Aqua Bridge and Selective Adsorption Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 13117-13125.	1.7	69
60	Highly Selective CO ₂ Adsorption Accompanied with Low-Energy Regeneration in a Two-Dimensional Cu(II) Porous Coordination Polymer with Inorganic Fluorinated PF ₆ ⁻ Anions. <i>Inorganic Chemistry</i> , 2013, 52, 280-285.	1.9	67
61	A Family of Rare Earth Porous Coordination Polymers with Different Flexibility for CO ₂ /C ₂ H ₄ and CO ₂ /C ₂ H ₆ Separation. <i>Inorganic Chemistry</i> , 2013, 52, 8244-8249.	1.9	67
62	Crystal engineering of a family of hybrid ultramicroporous materials based upon interpenetration and dichromate linkers. <i>Chemical Science</i> , 2016, 7, 5470-5476.	3.7	66
63	Storage of CO ₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8687-8690.	7.2	64
64	Differences of crystal structure and dynamics between a soft porous nanocrystal and a bulk crystal. <i>Chemical Communications</i> , 2011, 47, 7632.	2.2	60
65	Crystal melting and glass formation in copper thiocyanate based coordination polymers. <i>Chemical Communications</i> , 2019, 55, 5455-5458.	2.2	57
66	Recognition of 1,3-Butadiene by a Porous Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13784-13788.	7.2	55
67	Dynamic Transformation between Covalent Organic Frameworks and Discrete Organic Cages. <i>Journal of the American Chemical Society</i> , 2020, 142, 21279-21284.	6.6	54
68	Mechanical Alloying of Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2413-2417.	7.2	53
69	Inclusion and dynamics of a polymer-Li salt complex in coordination nanochannels. <i>Chemical Communications</i> , 2011, 47, 1722.	2.2	47
70	Coordination polymer glass from a protic ionic liquid: proton conductivity and mechanical properties as an electrolyte. <i>Chemical Science</i> , 2020, 11, 5175-5181.	3.7	47
71	Proton-conductive coordination polymer glass for solid-state anhydrous proton batteries. <i>Chemical Science</i> , 2021, 12, 5818-5824.	3.7	47
72	Tuning the Dimensionality of Inorganic Connectivity in Barium Coordination Polymers via Biphenyl Carboxylic Acid Ligands. <i>Crystal Growth and Design</i> , 2013, 13, 2965-2972.	1.4	46

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73	Template-directed proton conduction pathways in a coordination framework. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10404-10409.	5.2	46
74	Highly Processable Covalent Organic Framework Gel Electrolyte Enabled by Side-Chain Engineering for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202110695.	7.2	44
75	Porous Coordination Polymer with π -Lewis Acidic Pore Surfaces, $\{[\text{Cu}_3(\text{CN})_3\{\text{CN}(\text{OEt})_3\}] \cdot 3\text{THF}\}_n$. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4628-4631.	7.2	43
76	Formation of coordination polymer glass by mechanical milling: dependence on metal ions and molecular doping for H^+ conductivity. <i>Chemical Communications</i> , 2018, 54, 6859-6862.	2.2	42
77	Flexible and Shape-Selective Guest Binding at Cull Axial Sites in 1-Dimensional Cull ^{1,2} -Bis(4-pyridyl)ethane Coordination Polymers. <i>Inorganic Chemistry</i> , 2006, 45, 9290-9300.	1.9	41
78	Synthesis and Characterization of a 1-D Porous Barium Carboxylate Coordination Polymer, $[\text{Ba}(\text{HBTB})]$ (H_3BTB = Benzene-1,3,5-trisbenzoic Acid). <i>Inorganic Chemistry</i> , 2011, 50, 11853-11855.	1.9	41
79	Five-Minute Mechanochemistry of Hypercrosslinked Microporous Polymers. <i>Chemistry of Materials</i> , 2020, 32, 7694-7702.	3.2	41
80	Synthesis of Manganese ZIF-8 from $[\text{Mn}(\text{BH}_4)_2 \cdot 3\text{THF}] \cdot \text{NaBH}_4$. <i>Inorganic Chemistry</i> , 2017, 56, 8744-8747.	1.9	40
81	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1435-1439.	7.2	40
82	Hypercrosslinked Polymer Gels as a Synthetic Hybridization Platform for Designing Versatile Molecular Separators. <i>Journal of the American Chemical Society</i> , 2022, 144, 6861-6870.	6.6	40
83	Mechanics, Ionics, and Optics of Metal-Organic Framework and Coordination Polymer Glasses. <i>Nano Letters</i> , 2021, 21, 6382-6390.	4.5	39
84	Lanthanide-Based Porous Coordination Polymers: Syntheses, Slow Relaxation of Magnetization, and Magnetocaloric Effect. <i>Inorganic Chemistry</i> , 2018, 57, 6584-6598.	1.9	38
85	Partially fluorinated MIL-101(Cr): from a miniscule structure modification to a huge chemical environment transformation inspected by ^{129}Xe NMR. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15101-15112.	5.2	36
86	Transparent and luminescent glasses of gold thiolate coordination polymers. <i>Chemical Science</i> , 2020, 11, 6815-6823.	3.7	36
87	Kagom \AA type extra-large microporous solid based on a paddle-wheel Cu^{2+} dimer. <i>Chemical Communications</i> , 2008, , 4436.	2.2	35
88	Chemical Adsorption and Physical Confinement of Polysulfides with the Janus-faced Interlayer for High-performance Lithium-Sulfur Batteries. <i>Scientific Reports</i> , 2017, 7, 17703.	1.6	35
89	A pH-responsive phase transformation of a sulfonated metal-organic framework from amorphous to crystalline for efficient CO_2 capture. <i>CrystEngComm</i> , 2016, 18, 2803-2807.	1.3	34
90	Fe^{2+} -based layered porous coordination polymers and soft encapsulation of guests via redox activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3675.	5.2	32

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91	¹¹³ Cd Nuclear Magnetic Resonance as a Probe of Structural Dynamics in a Flexible Porous Framework Showing Selective O ₂ /N ₂ and CO ₂ /N ₂ Adsorption. <i>Inorganic Chemistry</i> , 2016, 55, 4166-4172.	1.9	31
92	Motion of methanol adsorbed in porous coordination polymer with paramagnetic metal ions. <i>Chemical Communications</i> , 2004, , 2152.	2.2	29
93	Spatial and Surface Design of Porous Coordination Polymers. <i>Supramolecular Chemistry</i> , 2007, 19, 75-78.	1.5	29
94	Investigation of post-grafted groups of a porous coordination polymer and its proton conduction behavior. <i>Dalton Transactions</i> , 2012, 41, 13261.	1.6	29
95	Homogenized Bimetallic Catalysts from Metal-Organic Framework Alloys. <i>Chemistry of Materials</i> , 2019, 31, 4205-4212.	3.2	29
96	Novel Cu(I) Dinuclear Complexes Containing $\hat{1}42\hat{-}12,12$ -Type Benzoquinone Ligand. <i>Journal of the American Chemical Society</i> , 2003, 125, 1152-1153.	6.6	28
97	Siloxane D4 capture by hydrophobic microporous materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7885.	5.2	28
98	DRIFT and Theoretical Studies of Ethylene/Ethane Separation on Flexible and Microporous [Cu ₂ (2,3-pyrazinedicarboxylate) ₂ (pyrazine)] _n . <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2747-2752.	1.0	28
99	Programmed crystallization via epitaxial growth and ligand replacement towards hybridizing porous coordination polymer crystals. <i>Dalton Transactions</i> , 2013, 42, 15868.	1.6	27
100	Modular Self-Assembly and Dynamics in Coordination Star Polymer Glasses: New Media for Ion Transport. <i>Chemistry of Materials</i> , 2018, 30, 8555-8561.	3.2	27
101	Stable melt formation of 2D nitrile-based coordination polymer and hierarchical crystal-glass structuring. <i>Chemical Communications</i> , 2020, 56, 8980-8983.	2.2	27
102	Synthesis and Structural Flexibility of a Series of Copper(II) Azolate-Based Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3739-3744.	1.0	26
103	Unveiling liquid MOFs. <i>Nature Materials</i> , 2017, 16, 1054-1055.	13.3	25
104	Fabrication of $\hat{\mu}$ -Fe ₂ N Catalytic Sites in Porous Carbons Derived from an Iron-Triazolate Crystal. <i>Chemistry of Materials</i> , 2018, 30, 1830-1834.	3.2	24
105	Glass-phase coordination polymer displaying proton conductivity and guest-accessible porosity. <i>Chemical Communications</i> , 2019, 55, 8528-8531.	2.2	24
106	Synthesis and Porous Properties of Chromium Azolate Porous Coordination Polymers. <i>Inorganic Chemistry</i> , 2014, 53, 9870-9875.	1.9	23
107	Polymorphism of Mixed Metal Cr/Fe Terephthalate Metal-Organic Frameworks Utilizing a Microwave Synthetic Method. <i>Crystal Growth and Design</i> , 2019, 19, 5581-5591.	1.4	23
108	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. <i>Angewandte Chemie</i> , 2016, 128, 5281-5286.	1.6	22

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109	A porous coordination polymer with a reactive diiron paddlewheel unit. <i>Chemical Communications</i> , 2014, 50, 2292.	2.2	21
110	Control of pore distribution of porous carbons derived from Mg ²⁺ porous coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 473-476.	3.0	21
111	Mechanical Alloying of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 2453-2457.	1.6	21
112	Enhanced and Optically Switchable Proton Conductivity in a Melting Coordination Polymer Crystal. <i>Angewandte Chemie</i> , 2017, 129, 5058-5063.	1.6	21
113	Crystal melting and vitrification behaviors of a three-dimensional nitrile-based metal-organic framework. <i>Faraday Discussions</i> , 2021, 225, 403-413.	1.6	21
114	Exploration of glassy state in Prussian blue analogues. <i>Nature Communications</i> , 2022, 13, .	5.8	21
115	Dynamics of guests in microporous coordination polymers studied by solid state NMR and X-ray analysis. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 725-732.	1.5	20
116	Mapping Out Catalytic Processes in a Metal-Organic Framework with Single-Crystal X-ray Crystallography. <i>Angewandte Chemie</i> , 2017, 129, 8532-8536.	1.6	20
117	Porous Fe-N-C Catalysts for Rechargeable Zinc-Air Batteries from an Iron-Imidazolate Coordination Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4030-4036.	3.2	20
118	Proton Conductivity via Trapped Water in Phosphonate-Based Metal-Organic Frameworks Synthesized in Aqueous Media. <i>Inorganic Chemistry</i> , 2021, 60, 1086-1091.	1.9	20
119	Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. <i>APL Materials</i> , 2014, 2, .	2.2	19
120	Fast Conduction of Organic Cations in Metal Sulfate Frameworks. <i>Chemistry of Materials</i> , 2016, 28, 3968-3975.	3.2	19
121	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, 16147-16156.	1.6	19
122	Host-Guest Assembly of H-Bonding Networks in Covalent Organic Frameworks for Ultrafast and Anhydrous Proton Transfer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37172-37178.	4.0	19
123	Storage of CO ₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. <i>Angewandte Chemie</i> , 2018, 130, 8823-8826.	1.6	18
124	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet. <i>Chemistry - A European Journal</i> , 2017, 23, 8443-8449.	1.7	17
125	Facile preparation of hybrid thin films composed of spin-crossover nanoparticles and carbon nanotubes for electrical memory devices. <i>Dalton Transactions</i> , 2019, 48, 7074-7079.	1.6	17
126	Eine neue Dimension von Koordinationspolymeren und Metallorganischen Gerüsten: hin zu funktionellen Gläsern und Flüssigkeiten. <i>Angewandte Chemie</i> , 2020, 132, 6716-6729.	1.6	17

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127	Incorporation of Al ³⁺ Sites on Brønsted Acid Metal-Organic Frameworks for Glucose-to-Hydroxymethylfurfural Transformation. <i>Small</i> , 2021, 17, e2006541.	5.2	17
128	Encapsulating Ultrastable Metal Nanoparticles within Reticular Schiff Base Nanospaces for Enhanced Catalytic Performance. <i>Cell Reports Physical Science</i> , 2021, 2, 100289.	2.8	16
129	Processable UiO-66 Metal-Organic Framework Fluid Gel and Electrical Conductivity of Its Nanofilm with Sub-100 nm Thickness. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30844-30852.	4.0	16
130	Chemistry and application of porous coordination polymers. <i>Studies in Surface Science and Catalysis</i> , 2007, , 1983-1990.	1.5	15
131	Photoluminescent coordination polymer bulk glasses and laser-induced crystallization. <i>Chemical Science</i> , 2022, 13, 3281-3287.	3.7	15
132	Recent progress of amorphous and glassy coordination polymers. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214646.	9.5	15
133	Formation of Foam-like Microstructural Carbon Material by Carbonization of Porous Coordination Polymers through a Ligand-Assisted Foaming Process. <i>Chemistry - A European Journal</i> , 2015, 21, 13278-13283.	1.7	14
134	The effect of amorphization on the molecular motion of the 2-methylimidazolate linkers in ZIF-8. <i>Chemical Communications</i> , 2019, 55, 5906-5909.	2.2	14
135	One-Pot, Room-Temperature Conversion of CO ₂ into Porous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 16750-16757.	6.6	14
136	Network Size Control in Coordination Polymer Glasses and Its Impact on Viscosity and H ⁺ Conductivity. <i>Chemistry of Materials</i> , 2022, 34, 5832-5841.	3.2	14
137	Exploitation of missing linker in Zr-based metal-organic framework as the catalyst support for selective oxidation of benzyl alcohol. <i>APL Materials</i> , 2019, 7, .	2.2	13
138	Structural Optimization of Interpenetrated Pillared-Layer Coordination Polymers for Ethylene/Ethane Separation. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1643-1647.	1.7	12
139	Cooperativity and Metal-Linker Dynamics in Spin Crossover Framework Fe(1,2,3-triazolate) ₂ . <i>Chemistry of Materials</i> , 2021, 33, 8534-8545.	3.2	12
140	A proton-hopping charge storage mechanism of ionic one-dimensional coordination polymers for high-performance supercapacitors. <i>Chemical Communications</i> , 2017, 53, 11786-11789.	2.2	11
141	An Allosteric Metal-Organic Framework That Exhibits Multiple Pore Configurations for the Optimization of Hydrocarbon Separation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3552-3556.	1.7	11
142	Synthesis and Adsorption Properties of Azulene-containing Porous Interdigitated Framework. <i>Chemistry Letters</i> , 2012, 41, 425-426.	0.7	9
143	An integrated function system using metal nanoparticle@mesoporous silica@metal-organic framework hybrids. <i>Microporous and Mesoporous Materials</i> , 2017, 245, 104-108.	2.2	9
144	The role of lattice vibration in the terahertz region for proton conduction in 2D metal-organic frameworks. <i>Chemical Science</i> , 2020, 11, 1538-1541.	3.7	9

#	ARTICLE	IF	CITATIONS
145	Reactivity of borohydride incorporated in coordination polymers toward carbon dioxide. Chemical Communications, 2020, 56, 5111-5114.	2.2	9
146	Construction of unimpeded proton-conducting pathways in solution-processed nanoporous polymer membranes. Materials Horizons, 2021, 8, 3088-3095.	6.4	9
147	Modulation of proton conductivity in coordination polymer mixed glasses. Chemical Communications, 2022, 58, 6064-6067.	2.2	9
148	Synthesis and characterization of robust three-dimensional chiral metal sulfates. RSC Advances, 2014, 4, 50435-50442.	1.7	7
149	Synthesis of Oligodiacetylene Derivatives from Flexible Porous Coordination Frameworks. Journal of the American Chemical Society, 2017, 139, 13876-13881.	6.6	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)] _n Metal-Organic Framework with Strong Water Binding Ability and Its Potential for Dehydration of an Ethanol/Water Mixture. Inorganic Chemistry, 2018, 57, 13075-13078.	1.9	6
152	Chiral tetranuclear copper(ii) complexes: synthesis, optical and magnetic properties. New Journal of Chemistry, 2020, 44, 16845-16855.	1.4	6
153	Complex hydrides for CO ₂ reduction. MRS Bulletin, 2022, 47, 424-431.	1.7	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.	2.2	5
156	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework. Angewandte Chemie, 2020, 132, 1451-1455.	1.6	5
157	Highly Processable Covalent Organic Framework Gel Electrolyte Enabled by Side-Chain Engineering for Lithium-Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	5
158	Study on a 2D layer coordination framework showing order-to-disorder phase transition by ionothermal synthesis. Polymer Journal, 2015, 47, 141-145.	1.3	4
159	Recognition of 1,3-Butadiene by a Porous Coordination Polymer. Angewandte Chemie, 2016, 128, 13988-13992.	1.6	4
160	Imidazolium cation transportation in a 1-D coordination polymer. Dalton Transactions, 2017, 46, 10798-10801.	1.6	4
161	Borohydride-containing coordination polymers: synthesis, air stability and dehydrogenation. Chemical Science, 2019, 10, 6193-6198.	3.7	4
162	Soft 2D Layer Porous Coordination Polymers with 1,2-Di(4-pyridyl)ethane. Australian Journal of Chemistry, 2013, 66, 464.	0.5	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.	1.6	3
164	Metal-Organic Carbon Composite Catalysts by One-Step Conversion of MOF Crystals in a Sealed-Tube Reactor. ACS Applied Energy Materials, 2020, 3, 11529-11533.	2.5	3
165	Synthetic Strategy for Incorporating Carboxylate Ligands into Coordination Polymers under a Solvent-Free Reaction. Crystal Growth and Design, 2021, 21, 6031-6036.	1.4	3
166	Late-stage modification of π -electron systems based on asymmetric oxidation of a medium-sized sulfur-containing ring. Chemical Communications, 2022, 58, 2548-2551.	2.2	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.	7.2	2
168	Sugar Conversion: Incorporation of Al ³⁺ Sites on Brønsted Acid Metal-Organic Frameworks for Glucose-to-Hydroxymethylfurfural Transformation (Small 22/2021). Small, 2021, 17, 2170108.	5.2	2
169	Mixed-Metal Cu-Zn Thiocyanate Coordination Polymers with Melting Behavior, Glass Transition, and Tunable Electronic Properties. Inorganic Chemistry, 2021, 60, 16149-16159.	1.9	2
170	Cyclic Solid-State Multiple Phase Changes with Tuned Photoemission in a Gold Thiolate Coordination Polymer. Angewandte Chemie, 0, , .	1.6	2
171	Cyclic Solid-State Multiple Phase Changes with Tuned Photoemission in a Gold Thiolate Coordination Polymer. Angewandte Chemie - International Edition, 2022, , .	7.2	2
172	Synthesis and Strong π - π Interaction of Hexaazatriphenylene Derivatives with Alternating Electron-Withdrawing and -Donating Groups. Chemistry - an Asian Journal, 2022, , .	1.7	2
173	Self-Straining Nanocrystals Strategy: Temperature and Pressure Co-Induced Phase Transitions of CsPbBr ₃ in Amorphous Matrices. Advanced Optical Materials, 0, , 2200818.	3.6	2
174	High Removal Efficiency and Regeneration Property of Formaldehyde Capture by Ti ⁴⁺ -based Porous Coordination Polymer. Chemistry Letters, 2015, 44, 1694-1696.	0.7	1
175	Porosity Distribution Control in Carbon by Tuning the Carbonization Rate in Porous Coordination Polymers. Chemistry Letters, 2017, 46, 1650-1653.	0.7	1
176	Mechanical Force Induced Formation of Extrinsic Micropores in Coordination Polymers. Inorganic Chemistry, 2022, 61, 3379-3386.	1.9	1
177	$3i\sqrt{4}\check{é}\ddot{f}\grave{a}\pm\check{z}\grave{a}\grave{c}\grave{e}\%æ\textcircled{Y}\grave{æ}\grave{s}\grave{e}\grave{c}\grave{a}\grave{l}\grave{2}\grave{a}\grave{a}\grave{s}\grave{h}\grave{a}\grave{,}\grave{c}\grave{a}\grave{,}\grave{a}\grave{f}\grave{3}\grave{a}\grave{l}\grave{4}\grave{h}\grave{o}\check{Z}$. Electrochemistry, 2016, 84, 35-40.	0.6	0
178	Röntgenbild: Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework (Angew. Chem. 4/2020). Angewandte Chemie, 2020, 132, 1760-1760.	1.6	0
179	Frontispiz: Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie, 2020, 132, .	1.6	0
180	Frontispiece: Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie - International Edition, 2020, 59, .	7.2	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.	0.1	0