Ryotaro Matsuda

List of Publications by Year
in descending order

143 papers	16,251 citations	19608 61 h-index	15218 126 g-index
159 all docs	159 docs citations	159 times ranked	11475 citing authors

#	Article	IF	Citations
1	Highly controlled acetylene accommodation in a metalâ€“organic microporous material. Nature, 2005, 436, 238-241.	13.7	1,386
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.	6.6	921
3	Chemistry of coordination space of porous coordination polymers. Coordination Chemistry Reviews, 2007, 251, 2490-2509.	9.5	880
4	A flexible interpenetrating coordination framework with a bimodal porous functionality. Nature Materials, 2007, 6, 142-148.	13.3	734
5	Self-Accelerating CO Sorption in a Soft Nanoporous Crystal. Science, 2014, 343, 167-170.	6.0	434
6	Gas detection by structural variations of fluorescent guest molecules in a flexible porous coordination polymer. Nature Materials, 2011, 10, 787-793.	13.3	395
7	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. Angewandte Chemie - International Edition, 2004, 43, 3269-3272.	7.2	379
8	Exceptional Thermal Stability in a Supramolecular Organic Framework: Porosity and Gas Storage. Journal of the American Chemical Society, 2010, 132, 14457-14469.	6.6	369
9	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.	6.6	359
10	Flexible microporous coordination polymers. Journal of Solid State Chemistry, 2005, 178, 2420-2429.	1.4	358
11	Functional Hybrid Porous Coordination Polymers. Chemistry of Materials, 2014, 26, 310-322.	3.2	358
12	Immobilization of a Metallo Schiff Base into a Microporous Coordination Polymer. Angewandte Chemie - International Edition, 2004, 43, 2684-2687.	7.2	336
13	Guest-to-Host Transmission of Structural Changes for Stimuli-Responsive Adsorption Property. Journal of the American Chemical Society, 2012, 134, 4501-4504.	6.6	326
14	Guest-Induced Asymmetry in a Metalâˆ’Organic Porous Solid with Reversible Single-Crystal-to-Single-Crystal Structural Transformation. Journal of the American Chemical Society, 2005, 127, 17152-17153.	6.6	320
15	Selective sorption of oxygen and nitric oxide by an electron-donating flexible porous coordination polymer. Nature Chemistry, 2010, 2, 633-637.	6.6	306
16	Cellulose Hydrolysis by a New Porous Coordination Polymer Decorated with Sulfonic Acid Functional Groups. Advanced Materials, 2011, 23, 3294-3297.	11.1	299
17	A Pillared-Layer Coordination Polymer with a Rotatable Pillar Acting as a Molecular Gate for Guest Molecules. Journal of the American Chemical Society, 2009, 131, 12792-12800.	6.6	298
18	Heterogeneously Hybridized Porous Coordination Polymer Crystals: Fabrication of Heterometallic Coreâ€“Shell Single Crystals with an Inâ€Plane Rotational Epitaxial Relationship. Angewandte Chemie - International Edition, 2009, 48, 1766-1770.	7.2	287

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19	Guest Shape-Responsive Fitting of Porous Coordination Polymer with Shrinkable Framework. Journal of the American Chemical Society, 2004, 126, 14063-14070.	6.6	286
20	Nanochannels of Two Distinct Cross-Sections in a Porous Al-Based Coordination Polymer. Journal of the American Chemical Society, 2008, 130, 13664-13672.	6.6	280
21	Effect of functional groups in MIL-101 on water sorption behavior. Microporous and Mesoporous Materials, 2012, 157, 89-93.	2.2	271
22	Dynamic Motion of Building Blocks in Porous Coordination Polymers. Angewandte Chemie - International Edition, 2006, 45, 7226-7230.	7.2	233
23	Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer. Angewandte Chemie - International Edition, 2005, 44, 920-923.	7.2	211
24	Rational Design and Crystal Structure Determination of a 3-D Metalâˆ’Organic Jungle-Gym-like Open Framework. Inorganic Chemistry, 2004, 43, 6522-6524.	1.9	202
25	Photo-induced Valence Tautomerism in Co Complexes. Accounts of Chemical Research, 2007, 40, 361-369.	7.6	198
26	Control of Interpenetration for Tuning Structural Flexibility Influences Sorption Properties. Angewandte Chemie - International Edition, 2010, 49, 7660-7664.	7.2	184
27	Soft Secondary Building Unit: Dynamic Bond Rearrangement on Multinuclear Core of Porous Coordination Polymers in Gas Media. Journal of the American Chemical Society, 2011, 133, 9005-9013.	6.6	184
28	Amineâ€Responsive Adaptable Nanospaces: Fluorescent Porous Coordination Polymer for Molecular Recognition. Angewandte Chemie - International Edition, 2014, 53, 11772-11777.	7.2	184
29	Photoactivation of a nanoporous crystal for on-demand guest trapping and conversion. Nature Materials, 2010, 9, 661-666.	13.3	183
30	Tuning Gateâ€Opening of a Flexible Metalâ€"Organic Framework for Ternary Gas Sieving Separation. Angewandte Chemie - International Edition, 2020, 59, 22756-22762.	7.2	173
31	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.	6.6	170
32	TCNQ Dianion-Based Coordination Polymer Whose Open Framework Shows Charge-Transfer Type Guest Inclusion. Journal of the American Chemical Society, 2006, 128, 16416-16417.	6.6	138
33	Immobilization of Sodium Ions on the Pore Surface of a Porous Coordination Polymer. Journal of the American Chemical Society, 2006, 128, 4222-4223.	6.6	136
34	Self-assembly of lattices with high structural complexity from a geometrically simple molecule. Science, 2018, 361, 1242-1246.	6.0	127
35	Highly proton conductive nanoporous coordination polymers with sulfonic acid groups on the pore surface. Chemical Communications, 2014, 50, 1144-1146.	2.2	126
36	Density Gradation of Open Metal Sites in the Mesospace of Porous Coordination Polymers. Journal of the American Chemical Society, 2017, 139, 11576-11583.	6.6	118

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37	Selective CO2 uptake and inverse CO2/C2H2 selectivity in a dynamic bifunctional metalâ€“organic framework. Chemical Science, 2012, 3, 2993.	3.7	117
38	Highly Porous and Stable Coordination Polymers as Water Sorption Materials. Chemistry Letters, 2010, 39, 360-361.	0.7	115
39	Metastable Sorption State of a Metalâ€“Organic Porous Material Determined by In Situ Synchrotron Powder Diffraction. Angewandte Chemie - International Edition, 2006, 45, 4932-4936.	7.2	107
40	A Crystalline Porous Coordination Polymer Decorated with Nitroxyl Radicals Catalyzes Aerobic Oxidation of Alcohols. Journal of the American Chemical Society, 2014, 136, 7543-7546.	6.6	105
41	Flexible interlocked porous frameworks allow quantitative photoisomerization in a crystalline solid. Nature Communications, 2017, 8, 100.	5.8	100
42	Rhodiumâ€“Organic Cuboctahedra as Porous Solids with Strong Binding Sites. Inorganic Chemistry, 2016, 55, 10843-10846.	1.9	97
43	A pillared-bilayer porous coordination polymer with a 1D channel and a 2D interlayer space, showing unique gas and vapor sorption. Chemical Communications, 2011, 47, 8106.	2.2	96
44	Temperature responsive channel uniformity impacts on highly guest-selective adsorption in a porous coordination polymer. Chemical Science, 2010, 1, 315.	3.7	93
45	Metalâ€“Organic Polyhedral Core as a Versatile Scaffold for Divergent and Convergent Star Polymer Synthesis. Journal of the American Chemical Society, 2016, 138, 6525-6531.	6.6	93
46	New Interpenetrated Copper Coordination Polymer Frameworks having Porous Properties. Chemistry of Materials, 2009, 21, 5860-5866.	3.2	92
47	Porous coordination polymers with ubiquitous and biocompatible metals and a neutral bridging ligand. Nature Communications, 2015, 6, 5851.	5.8	92
48	Modification of flexible part in Cu2+ interdigitated framework for CH4/CO2 separation. Chemical Communications, 2010, 46, 9229.	2.2	86
49	Storage and Sorption Properties of Acetylene in Jungleâ€Gymâ€Like Open Frameworks. Chemistry - an Asian Journal, 2008, 3, 1343-1349.	1.7	82
50	Relationship between Channel and Sorption Properties in Coordination Polymers with Interdigitated Structures. Chemistry - A European Journal, 2011, 17, 5138-5144.	1.7	76
51	The RIKEN Materials Science Beamline at SPring-8: Towards Visualization of Electrostatic Interaction. AIP Conference Proceedings, 2010, , .	0.3	75
52	Systematic mechanochemical preparation of a series of coordination pillared layer frameworks. Dalton Transactions, 2012, 41, 3956.	1.6	75
53	Highly responsive nature of porous coordination polymer surfaces imaged by in situ atomic force microscopy. Nature Chemistry, 2019, 11, 109-116.	6.6	75
54	Photochemical cycloaddition on the pore surface of a porous coordination polymer impacts the sorption behavior. Chemical Communications, 2012, 48, 7919.	2.2	72

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55	Reversible Chemisorption of Sulfur Dioxide in a Spin Crossover Porous Coordination Polymer. Inorganic Chemistry, 2013, 52, 12777-12783.	1.9	72
56	Cooperative Bond Scission in a Soft Porous Crystal Enables Discriminatory Gate Opening for Ethylene over Ethane. Journal of the American Chemical Society, 2017, 139, 18313-18321.	6.6	72
57	Formation and Characterization of Crystalline Molecular Arrays of Gas Molecules in a 1-Dimensional Ultramicropore of a Porous Copper Coordination Polymer. Journal of Physical Chemistry B, 2005, 109, 23378-23385.	1.2	71
58	Bistability of Magnetization without Spin-Transition in a High-Spin Cobalt(II) Complex due to Angular Momentum Quenching. Journal of the American Chemical Society, 2009, 131, 4560-4561.	6.6	63
59	Catalytic Glucose Isomerization by Porous Coordination Polymers with Open Metal Sites. Chemistry - an Asian Journal, 2014, 9, 2772-2777.	1.7	62
60	Gas-responsive porous magnet distinguishes the electron spin of molecular oxygen. Nature Communications, 2018, 9, 5420.	5.8	58
61	Accelerated C₂H₂/CO₂ Separation by a Se-Functionalized Porous Coordination Polymer with Low Binding Energy. ACS Applied Materials & Interfaces, 2020, 12, 3764-3772.	4.0	58
62	An Open-shell, Luminescent, Two-Dimensional Coordination Polymer with a Honeycomb Lattice and Triangular Organic Radical. Journal of the American Chemical Society, 2021, 143, 4329-4338.	6.6	57
63	A Porous Coordination Polymer with Accessible Metal Sites and its Complementary Coordination Action. Chemistry - A European Journal, 2009, 15, 4985-4989.	1.7	53
64	Impact of Metal-Ion Dependence on the Porous and Electronic Properties of TCNQ-Dianion-Based Porous Coordination Polymers. Inorganic Chemistry, 2011, 50, 172-177.	1.9	52
65	Theoretical Insight into Gate-Opening Adsorption Mechanism and Sigmoidal Adsorption Isotherm into Porous Coordination Polymer. Journal of the American Chemical Society, 2018, 140, 13958-13969.	6.6	48
66	Dynamic Topochemical Reaction Tuned by Guest Molecules in the Nanospace of a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 15742-15746.	6.6	48
67	Selective NO Trapping in the Pores of Chain-Type Complex Assemblies Based on Electronically Activated Paddlewheel-Type [Ru₂^{II,II}]/[Rh₂^{II,II}] Dimers. Journal of the American Chemical Society, 2013, 135, 18469-18480.	6.6	47
68	Crystal Dynamics in Multiâ€stimuliâ€Responsive Entangled Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2016, 22, 15864-15873.	1.7	46
69	Systematic Construction of Porous Coordination Pillared-layer Structures and Their Sorption Properties. Chemistry Letters, 2010, 39, 218-219.	0.7	43
70	In Situ Generation of Functionality in a Reactive Haloalkane-Based Ligand for the Design of New Porous Coordination Polymers. Inorganic Chemistry, 2013, 52, 10735-10737.	1.9	42
71	Topological Difference in 2D Layers Steers the Formation of Rigid and Flexible 3D Supramolecular Isomers: Impact on the Adsorption Properties. Inorganic Chemistry, 2012, 51, 9141-9143.	1.9	41
72	Selectivity from flexibility. Nature, 2014, 509, 434-435.	13.7	41

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73	Flexibility of Porous Coordination Polymers Strongly Linked to Selective Sorption Mechanism. Chemistry of Materials, 2010, 22, 4129-4131.	3.2	40
74	Switchable gate-opening effect in metalâ€“organic polyhedra assemblies through solution processing. Chemical Science, 2018, 9, 6463-6469.	3.7	40
75	Grafting Free Carboxylic Acid Groups onto the Pore Surface of 3D Porous Coordination Polymers for High Proton Conductivity. Chemistry of Materials, 2019, 31, 8494-8503.	3.2	40
76	A Convenient Strategy for Designing a Soft Nanospace: An Atomic Exchange in a Ligand with Isostructural Frameworks. Journal of the American Chemical Society, 2015, 137, 15825-15832.	6.6	37
77	Kinetics of Water Vapor Adsorption and Desorption in MIL-101 Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2019, 123, 387-398.	1.5	35
78	Tuning Gateâ€Opening of a Flexible Metalâ€“Organic Framework for Ternary Gas Sieving Separation. Angewandte Chemie, 2020, 132, 22944-22950.	1.6	33
79	Motion of methanol adsorbed in porous coordination polymer with paramagnetic metal ions. Chemical Communications, 2004, , 2152.	2.2	29
80	Chemical Reaction-Inspired Crystal Growth of a Coordination Polymer toward Morphology Design and Control. Journal of the American Chemical Society, 2006, 128, 15799-15808.	6.6	29
81	Design and Synthesis of Porous Coordination Polymers Showing Unique Guest Adsorption Behaviors. Bulletin of the Chemical Society of Japan, 2013, 86, 1117-1131.	2.0	29
82	CO₂superabsorption in a paddlewheel-type Ru dimer chain compound: gate-open performance dependent on inter-chain interactions. Chemical Communications, 2013, 49, 1594-1596.	2.2	27
83	One-Step Synthesis of an Adaptive Nanographene MOF: Adsorbed Gas-Dependent Geometrical Diversity. Journal of the American Chemical Society, 2019, 141, 15649-15655.	6.6	27
84	Magnetic Properties of Molecular Oxygen Adsorbed in Micro-Porous Metal-Organic Solids. Progress of Theoretical Physics Supplement, 2005, 159, 271-279.	0.2	26
85	Chemistry of Porous Coordination Polymers Having Multimodal Nanospace and Their Multimodal Functionality. Journal of Nanoscience and Nanotechnology, 2010, 10, 3-20.	0.9	26
86	Periodic molecular boxes in entangled enantiomorphic lcy nets. Chemical Communications, 2010, 46, 4142.	2.2	26
87	Constant Volume Gate-Opening by Freezing Rotational Dynamics in Microporous Organically Pillared Layered Silicates. Journal of the American Chemical Society, 2017, 139, 904-909.	6.6	25
88	Incommensurate guest adsorption in bellows-shaped one-dimensional channels of porous coordination polymers. Microporous and Mesoporous Materials, 2010, 129, 296-303.	2.2	24
89	Pseudoâ€Gated Adsorption with Negligible Volume Change Evoked by Halogenâ€Bond Interaction in the Nanospace of MOFs. Chemistry - A European Journal, 2020, 26, 2148-2153.	1.7	21
90	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

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91	High CO₂/CH₄ Selectivity of a Flexible Copper(II) Porous Coordination Polymer under Humid Conditions. ChemPlusChem, 2015, 80, 1517-1524.	1.3	19
92	Microwaveâ€Assisted Hydrothermal Synthesis of [Al(OH)(1,4â€NDC)] Membranes with Superior Separation Performances. Chemistry - an Asian Journal, 2019, 14, 2072-2076.	1.7	18
93	The densely fluorinated nanospace of a porous coordination polymer composed of perfluorobutyl-functionalized ligands. Chemical Communications, 2014, 50, 10861.	2.2	17
94	Remarkable Oxygen Intake/Release of BaYMn₂O_{5+Î´} Viewed from High-Temperature Crystal Structure. Journal of Physical Chemistry C, 2015, 119, 2356-2363.	1.5	17
95	Creation of MOFs with open metal sites by partial replacement of metal ions with different coordination numbers. Dalton Transactions, 2019, 48, 2545-2548.	1.6	17
96	Inclusion and dielectric properties of a vinylidene fluoride oligomer in coordination nanochannels. Dalton Transactions, 2012, 41, 4195.	1.6	16
97	Highly rigid and stable porous Cu(i) metalâ€“organic framework with reversible single-crystal-to-single-crystal structural transformation. CrystEngComm, 2012, 14, 4153.	1.3	16
98	Water Confined in MIL-101(Cr): Unique Sorptionâ€“Desorption Behaviors Revealed by Diffuse Reflectance Infrared Spectroscopy and Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2021, 125, 17786-17795.	1.5	15
99	Generation of thiyl radicals in a zinc(<scp>ii</scp>) porous coordination polymer by light-induced post-synthetic deprotection. Chemical Communications, 2018, 54, 4782-4785.	2.2	14
100	Characteristic Features of CO₂ and CO Adsorptions to Paddle-Wheel-type Porous Coordination Polymer. Journal of Physical Chemistry C, 2017, 121, 19129-19139.	1.5	13
101	Insights into inorganic buffer layer-assisted <i>in situ</i> fabrication of MOF films with controlled microstructures. CrystEngComm, 2018, 20, 6995-7000.	1.3	13
102	Modulation of Selfâ€Assembly Enhances the Catalytic Activity of Iron Porphyrin for CO₂ Reduction. Small, 2021, 17, e2006150.	5.2	13
103	Delicate and Fast Photochemical Surface Modification of 2D Photoresponsive Organosilicon Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202204568.	7.2	12
104	Spin-Dependent Molecular Orientation of O2â€“O2Dimer Formed in the Nanoporous Coordination Polymer. Journal of the Physical Society of Japan, 2013, 82, 084703.	0.7	10
105	Topochemical [2 + 2] Cycloaddition in a Two-Dimensional Metalâ€“Organic Framework via SCSC Transformation Impacts HalogenÂ·Â·Â·Halogen Interactions. Inorganic Chemistry, 2022, 61, 3029-3032.	1.9	10
106	Electron Paramagnetic Resonance Study of Guest Molecule-Influenced Magnetism in Kagome Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2016, 120, 27462-27467.	1.5	9
107	Magnetic properties of nitric oxide molecules physisorbed into nano-sized pores of MCM-41. Microporous and Mesoporous Materials, 2010, 132, 464-469.	2.2	8
108	Microporous structures having phenylene fin: Significance of substituent groups for rotational linkers in coordination polymers. Microporous and Mesoporous Materials, 2014, 189, 83-90.	2.2	8

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109	Coordination Programming in the Design of Porous Coordination Polymers: Tuning of the Electronic Activity of Frameworks for Selective Nitrogen Monoxide Trapping. Chemistry Letters, 2014, 43, 890-892.	0.7	8
110	Tuning the flexibility of interpenetrated frameworks by a small difference in the fluorene moiety. Dalton Transactions, 2017, 46, 15200-15203.	1.6	8
111	Molecular motion in the nanospace of MOFs upon gas adsorption investigated by<i>in situ</i>Raman spectroscopy. Faraday Discussions, 2021, 225, 70-83.	1.6	8
112	Triplet Carbene with Highly Enhanced Thermal Stability in the Nanospace of a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 8129-8136.	6.6	8
113	Magnetic and photo-magnetic properties of Co dinuclear complexes. Inorganica Chimica Acta, 2008, 361, 3659-3662.	1.2	7
114	Reversible low-temperature redox activity and selective oxidation catalysis derived from the concerted activation of multiple metal species on Cr and Rh-incorporated ceria catalysts. Physical Chemistry Chemical Physics, 2019, 21, 20868-20877.	1.3	7
115	Augmenting the Carbon Dioxide Uptake and Selectivity of Metalâ€“Organic Frameworks by Metal Substitution: Molecular Simulations of LMOF-202. ACS Omega, 2020, 5, 17193-17198.	1.6	7
116	Direct observation of dimethyl sulfide trapped by MOF proving efficient removal of sulfur impurities. RSC Advances, 2020, 10, 4710-4714.	1.7	7
117	Purely Physisorptionâ€Based COâ€Selective Gateâ€Opening in Microporous Organically Pillared Layered Silicates. Angewandte Chemie - International Edition, 2018, 57, 564-568.	7.2	7
118	Selective Sensing of Fe³⁺ Ions Using a Water-stable Magnesium Coordination Polymer. Chemistry Letters, 2019, 48, 156-158.	0.7	6
119	Molecular simulation study on the flexibility in the interpenetrated metalâ€“organic framework LMOF-201 using reactive force field. Journal of Materials Chemistry A, 2020, 8, 16385-16391.	5.2	6
120	Trapping and Releasing of Oxygen in Liquid by Metalâ€“Organic Framework with Light and Heat. Small, 2021, 17, 2004351.	5.2	6
121	Design of a MOF based on octa-nuclear zinc clusters realizing both thermal stability and structural flexibility. Chemical Communications, 2022, 58, 1139-1142.	2.2	6
122	Tetrametallic Ln(III) (Lnâ€¯=â€¯Gd, Dy) phosphonate clusters: Spin cooler and single-molecule magnet. Inorganica Chimica Acta, 2018, 482, 900-904.	1.2	5
123	Fabrication of a KagomÃ©â€type MOF Membrane by Seeded Growth on Aminoâ€functionalized Porous Al 2 O 3 Substrate. Chemistry - an Asian Journal, 2021, 16, 2018-2021.	1.7	5
124	Hindered Rotation of Methane Molecules in the One-Dimensional Nanochannel of a Porous Coordination Polymer. Journal of Nanoscience and Nanotechnology, 2009, 9, 69-76.	0.9	4
125	Purely Physisorptionâ€Based COâ€Selective Gateâ€Opening in Microporous Organically Pillared Layered Silicates. Angewandte Chemie, 2018, 130, 573-577.	1.6	4
126	Heterobilayer membranes from isostructural metal-organic frameworks for efficient CO2 separation. Microporous and Mesoporous Materials, 2022, 338, 111950.	2.2	4

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127	Cover Picture: Heterogeneously Hybridized Porous Coordination Polymer Crystals: Fabrication of Heterometallic Core-Shell Single Crystals with an In-Plane Rotational Epitaxial Relationship (Angew.) Tj ETQq1 1 0.784314 rgBT /Overlo	7.2	3
128	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
129	Advanced characterisation techniques: multi-scale, <i>in situ</i>, and time-resolved: general discussion. Faraday Discussions, 2021, 225, 152-167.	1.6	2
130	Cover Picture: Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer (Angew. Chem. Int. Ed. 6/2005). Angewandte Chemie - International Edition, 2005, 44, 829-829.	7.2	1
131	Highly Selective Guest Adsorption in the Nanospace of Porous Coordination Polymers. Bulletin of Japan Society of Coordination Chemistry, 2011, 57, 45-56.	0.1	1
132	CO2 Storage on Metal-Organic Frameworks. Green Energy and Technology, 2019, , 331-358.	0.4	1
133	Swift and Efficient Nuclear Spin Conversion of Molecular Hydrogen Confined in Prussian Blue Analogs. Chemistry Letters, 2020, 49, 149-152.	0.7	1
134	Novel computational tools: general discussion. Faraday Discussions, 2021, 225, 341-357.	1.6	1
135	Novel Crystalline Porous Compounds Based on Metal Complexes-Structures and Functions. Nihon Kessho Gakkaishi, 2004, 46, 53-58.	0.0	1
136	Stabilization of radical active species in a MOF nanospace to exploit unique reaction pathways. Chemical Communications, 2021, 57, 12115-12118.	2.2	1
137	Cover Picture: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (Angew. Chem. Int. Ed. 25/2004). Angewandte Chemie - International Edition, 2004, 43, 3205-3205.	7.2	0
138	Towards complex systems and devices: general discussion. Faraday Discussions, 2021, 225, 431-441.	1.6	0
139	Enhanced CO2 Adsorption by Insertion Reaction in the Nanospace of a Porphyrin-based MOF. Chemistry Letters, 2021, 50, 640-643.	0.7	0
140	Carbon Dioxide Reduction: Modulation of Selfâ€Assembly Enhances the Catalytic Activity of Iron Porphyrin for CO₂ Reduction (Small 22/2021). Small, 2021, 17, 2170110.	5.2	0
141	Selective Photochemical Reaction by Fixing Reactant as a MOF Building Block. Chemistry Letters, 2021, 50, 1987-1989.	0.7	0
142	New Developments of Molecular Separation Technology by Porous Coordination Compounds. Membrane, 2016, 41, 160-164.	0.0	0
143	Delicate and Fast Photochemical Surface Modification of 2D Photoresponsive Organosilicon Metalâ€'Organic Frameworks. Angewandte Chemie, 0, , .	1.6	0