Norbert Stock

List of Publications by Year
in descending order

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197 papers	15,959 citations	19608 61 h-index	18075 120 g-index
206 all docs	206 docs citations	206 times ranked	12946 citing authors

#	Article	IF	Citations
1	Synthesis, crystal structure, and topology of a polycatenated bismuth coordination polymer. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, 77, 231-236.	0.3	2
2	Tunable Confined Aliphatic Pore Environment in Robust Metalâ€“Organic Frameworks for Efficient Separation of Gases with a Similar Structure. Journal of the American Chemical Society, 2022, 144, 14322-14329.	6.6	56
3	Unravelling gas sorption in the aluminum metalâ€organic framework CAUâ€23: CO₂, H₂, CH₄, SO₂ sorption isotherms, enthalpy of adsorption and mixedâ€adsorptive calculations. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	9
4	[M₂(μâ€OH)₂(DHBQ)₃] (M = Zr, Hf) â€•Two New Isostructural Coordination Polymers based on the Unique M₂O₁₄ Inorganic Building Unit and 2,5â€Dioxidoâ€pâ€benzoquinone as Linker Molecule. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 436-441.	0.6	5
5	A Flexible and Porous Ferroceneâ€Based Gallium MOF with MILâ€53 Architecture. European Journal of Inorganic Chemistry, 2021, 2021, 713-719.	1.0	9
6	Systematic investigation of new alkaline earth phosphonates based on the linker molecule N,Nâ€™â€4,4â€™â€bipiperidineâ€bis(methylenephosphonic acid). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1046-1051.	0.6	1
7	Inâ€…Situ Xâ€ray Diffraction Investigation of the Crystallisation of Perfluorinated Ce^{IV}â€Based Metalâ€“Organic Frameworks with UiOâ€66 and MILâ€140 Architectures**. Chemistry - A European Journal, 2021, 27, 6579-6592.	1.7	10
8	Metalâ€Dependent and Selective Crystallization of CAUâ€10 and MILâ€53 Frameworks through Linker Nitration. Chemistry - A European Journal, 2021, 27, 7696-7703.	1.7	0
9	Isoreticular Chemistry of Group 13 Metalâ€“Organic Framework Compounds Based on V-Shaped Linker Molecules: Exceptions to the Rule?. Inorganic Chemistry, 2021, 60, 8861-8869.	1.9	4
10	Synthesis of two new Hfâ€MOFs with UiOâ€66 and CAUâ€22 structure employing 2,5â€pyrazinedicarboxylic acid as linker molecule.. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 2029-2034.	0.6	1
11	New isoreticular phosphonate MOFs based on a tetratopic linker. Dalton Transactions, 2021, 50, 13572-13579.	1.6	13
12	A Comparison of Structure Determination of Small Organic Molecules by 3D Electron Diffraction at Cryogenic and Room Temperature. Symmetry, 2021, 13, 2131.	1.1	5
13	Selective catalytic reduction of NO by cerium-based metalâ€“organic frameworks. Catalysis Science and Technology, 2020, 10, 337-341.	2.1	29
14	The chemistry of Ce-based metalâ€“organic frameworks. Dalton Transactions, 2020, 49, 16551-16586.	1.6	76
15	Design and Precursor-based Solid-State Synthesis of Mixed-Linker Zr-MIL-140A. Inorganic Chemistry, 2020, 59, 15250-15261.	1.9	4
16	Unravelling the water adsorption in a robust iron carboxylate metalâ€“organic framework. Chemical Communications, 2020, 56, 9628-9631.	2.2	12
17	Ce-MIL-140: expanding the synthesis routes for cerium(<scp>iv</scp>) metalâ€“organic frameworks. Dalton Transactions, 2020, 49, 11396-11402.	1.6	20
18	A Tetratopic Phosphonic Acid for the Synthesis of Permanently Porous MOFs: Reactor Size-Dependent Product Formation and Crystal Structure Elucidation via Three-Dimensional Electron Diffraction. Inorganic Chemistry, 2020, 59, 13343-13352.	1.9	11

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19	Influence of Thermal and Mechanical Stimuli on the Behavior of Al-CAU-13 Metalâ€“Organic Framework. Nanomaterials, 2020, 10, 1698.	1.9	3
20	Synthesis and Exfoliation of a New Layered Mesoporous Zr-MOF Comprising Hexa- and Dodecanuclear Clusters as Well as a Small Organic Linker Molecule. Journal of the American Chemical Society, 2020, 142, 15995-16000.	6.6	33
21	Aqueous Flow Reactor and Vapourâ€Assisted Synthesis of Aluminium Dicarboxylate Metalâ€“Organic Frameworks with Tuneable Water Sorption Properties. Chemistry - A European Journal, 2020, 26, 10841-10848.	1.7	13
22	Scandium Metalâ€“Organic Frameworks Containing Tetracarboxylate Linker Molecules: Synthesis, Structural Relationships, and Properties. Crystal Growth and Design, 2020, 20, 4686-4694.	1.4	18
23	A Scandium MOF with an Unprecedented Inorganic Building Unit, Delimiting the Micropore Windows. Inorganic Chemistry, 2020, 59, 8995-9004.	1.9	11
24	Influence of the substitution pattern of four naphthalenedicarboxylic acids on the structures and properties of group 13 metalâ€“organic frameworks and coordination polymers. Dalton Transactions, 2020, 49, 4861-4868.	1.6	9
25	Charting the Metal-Dependent High-Pressure Stability of Bimetallic UiO-66 Materials. , 2020, 2, 438-445.		21
26	Polymorphous Indium Metalâ€“Organic Frameworks Based on a Ferrocene Linker: Redox Activity, Porosity, and Structural Diversity. Inorganic Chemistry, 2020, 59, 9969-9978.	1.9	24
27	Synthesis and Characterization of a Layered Scandium MOF Containing a Sulfoneâ€Functionalized Vâ€Shaped Linker Molecule. European Journal of Inorganic Chemistry, 2020, 2020, 1147-1152.	1.0	7
28	Biocompatible, Crystalline, and Amorphous Bismuth-Based Metalâ€“Organic Frameworks for Drug Delivery. ACS Applied Materials & Interfaces, 2020, 12, 5633-5641.	4.0	64
29	Bimetallic hexanuclear clusters in Ce/Zr-UiO-66 MOFs: in situ FTIR spectroscopy and modelling insights. Dalton Transactions, 2020, 49, 5794-5797.	1.6	14
30	New Scandiumâ€containing Coordination Polymers with Linear Linker Molecules: Crystal Structures and Luminescence Properties. European Journal of Inorganic Chemistry, 2020, 2020, 2737-2743.	1.0	5
31	Waterâ€based Synthesis and Properties of a Scandium 1,4â€Naphthalenedicarboxylate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1373-1379.	0.6	5
32	Solvent Impact on the Properties of Benchmark Metalâ€“Organic Frameworks: Acetonitrileâ€Based Synthesis of CAUâ€10, Ceâ€UiOâ€66, and Alâ€MILâ€53. Chemistry - A European Journal, 2020, 26, 3877-3883.	1.7	35
33	Proton Conduction in a Single Crystal of a Phosphonatoâ€Sulfonateâ€Based Coordination Polymer: Mechanistic Insight. ChemPhysChem, 2020, 21, 605-609.	1.0	14
34	Permanent porosity and role of sulfonate groups in coordination networks constructed from a new polyfunctional phosphonato-sulfonate linker molecule. Dalton Transactions, 2020, 49, 2724-2733.	1.6	7
35	Hexahydroxytriphenylene for the synthesis of group 13 MOFs â€“ a new inorganic building unit in a Î²-cristobalite type structure. Dalton Transactions, 2020, 49, 3088-3092.	1.6	14
36	A metalâ€“organic framework for efficient water-based ultra-low-temperature-driven cooling. Nature Communications, 2019, 10, 3025.	5.8	145

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37	Layered Lanthanide Sulfophosphonates and Their Proton Conduction Properties in Membrane Electrode Assemblies. Chemistry of Materials, 2019, 31, 9625-9634.	3.2	34
38	Systematically Designed Periodic Electrophoretic Deposition for Decorating 3D Carbon-Based Scaffolds with Bioactive Nanoparticles. ACS Biomaterials Science and Engineering, 2019, 5, 4393-4404.	2.6	10
39	New Directions in Metal Phosphonate and Phosphinate Chemistry. Crystals, 2019, 9, 270.	1.0	81
40	Five New Coordination Polymers with a Bifunctional Phosphonateâ€Sulfonate Linker Molecule. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 732-739.	0.6	3
41	Expanding the Variety of Zirconiumâ€based Inorganic Building Units for Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 10995-11000.	7.2	31
42	The first water-based synthesis of Ce(iv)-MOFs with saturated chiral and achiral C4-dicarboxylate linkers. Dalton Transactions, 2019, 48, 8433-8441.	1.6	24
43	Expanding the Variety of Zirconiumâ€based Inorganic Building Units for Metalâ€“Organic Frameworks. Angewandte Chemie, 2019, 131, 11111-11116.	1.6	13
44	In situ XAS study of the local structure and oxidation state evolution of palladium in a reduced graphene oxide supported Pd(ii) carbene complex during an undirected Câ€“H acetoxylation reaction. Catalysis Science and Technology, 2019, 9, 2025-2031.	2.1	20
45	Single-site metalâ€“organic framework catalysts for the oxidative coupling of arenes via Câ€“H/Câ€“H activation. Chemical Science, 2019, 10, 3616-3622.	3.7	77
46	Suppression of abnormal grain growth in K0.5Na0.5NbO3: phase transitions and compatibility. Scientific Reports, 2019, 9, 19775.	1.6	12
47	A porous and redox active ferrocenedicarboxylic acid based aluminium MOF with a MIL-53 architecture. Dalton Transactions, 2019, 48, 16737-16743.	1.6	12
48	Biomimetic Carbon Fiber Systems Engineering: A Modular Design Strategy To Generate Biofunctional Composites from Graphene and Carbon Nanofibers. ACS Applied Materials & Interfaces, 2019, 11, 5325-5335.	4.0	24
49	Metalâ€“organic frameworks in Germany: From synthesis to function. Coordination Chemistry Reviews, 2019, 380, 378-418.	9.5	91
50	Reversible Optical Writing and Data Storage in an Anthraceneâ€Loaded Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 2423-2427.	7.2	102
51	Disclosing the Properties of a New Ce(III)-Based MOF: Ce₂(NDC)₃(DMF)₂. Crystal Growth and Design, 2019, 19, 787-796.	1.4	25
52	Magnesium doped Gallium Phosphonates Ga_{1â€“x}Mg_x[H_{3+x}(O₃PCH₂)₃N] (x = 0, 0.20) and the Influence on Proton Conductivity. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 86-91.	0.6	4
53	Optimisation of synthesis conditions for UiO-66-CO₂H towards scale-up and its vapour sorption properties. Reaction Chemistry and Engineering, 2018, 3, 365-370.	1.9	16
54	Scalable Green Synthesis and Fullâ€Scale Test of the Metalâ€“Organic Framework CAUâ€10â€H for Use in Adsorptionâ€Driven Chillers. Advanced Materials, 2018, 30, 1705869.	11.1	131

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55	Unravelling the Redoxâ€catalytic Behavior of Ce⁴⁺ Metalâ€“Organic Frameworks by Xâ€ray Absorption Spectroscopy. ChemPhysChem, 2018, 19, 373-378.	1.0	89
56	Green synthesis of a new layered aluminium citraconate: crystal structures, intercalation behaviour towards H₂O and in situ PXRD studies of its crystallisation. Dalton Transactions, 2018, 47, 215-223.	1.6	12
57	Synthesis of M-UiO-66 (M = Zr, Ce or Hf) employing 2,5-pyridinedicarboxylic acid as a linker: defect chemistry, framework hydrophilisation and sorption properties. Dalton Transactions, 2018, 47, 1062-1070.	1.6	84
58	Green Synthesis of a New Alâ€MOF Based on the Aliphatic Linker Mesaconic Acid: Structure, Properties and In Situ Crystallisation Studies of Alâ€MILâ€68â€Mes. Chemistry - A European Journal, 2018, 24, 2173-2181.	1.7	33
59	Crystalline and permanently porous porphyrin-based metal tetraphosphonates. Chemical Communications, 2018, 54, 389-392.	2.2	52
60	A precursor method for the synthesis of new Ce(<scp>iv</scp>) MOFs with reactive tetracarboxylate linkers. Chemical Communications, 2018, 54, 876-879.	2.2	60
61	Luminescence tuning and single-phase white light emitters based on rare earth ions doped into a bismuth coordination network. Journal of Materials Chemistry C, 2018, 6, 12668-12678.	2.7	17
62	The Influence of Isomerism on Crystallization in Aluminum Pyridinedicarboxylate Coordination Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1816-1825.	0.6	5
63	Exact Stoichiometry of Ce_xZr_{6â€“x} Cornerstones in Mixed-Metal UiO-66 Metalâ€“Organic Frameworks Revealed by Extended X-ray Absorption Fine Structure Spectroscopy. Journal of the American Chemical Society, 2018, 140, 17379-17383.	6.6	71
64	Reversible Optical Writing and Data Storage in an Anthraceneâ€Loaded Metalâ€Organic Framework. Angewandte Chemie, 2018, 131, 2445.	1.6	24
65	A Porous Cobalt Tetraphosphonate Metalâ€“Organic Framework: Accurate Structure and Guest Molecule Location Determined by Continuousâ€Rotation Electron Diffraction. Chemistry - A European Journal, 2018, 24, 17429-17433.	1.7	73
66	Systematic Investigations of the Transition between Framework Topologies in Ce/Zr-MOFs. Inorganic Chemistry, 2018, 57, 12820-12826.	1.9	20
67	Synthesis, Structure, and Characterization of Defectâ€free [Hf₆(Î¼₃â€O)₄(Î¼₃â€OH)₄(C₄H₂O<sub> (Hfâ€UiOâ€66â€Fum). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1771-1776.		
68	Mechanical-pressure induced response of the MOF Al-MIL-53-TDC. Polyhedron, 2018, 155, 144-148.	1.0	17
69	Highly stable and porous porphyrin-based zirconium and hafnium phosphonates â€“ electron crystallography as an important tool for structure elucidation. Chemical Science, 2018, 9, 5467-5478.	3.7	70
70	Bismuth Coordination Polymers with 2,4,6â€Pyridine Tricarboxylic Acid: Highâ€Throughput Investigations, Crystal Structures and Luminescence Properties. European Journal of Inorganic Chemistry, 2018, 2018, 3232-3240.	1.0	12
71	Solvent-Dependent Formation of Three New Bi-Metalâ€“Organic Frameworks Using a Tetracarboxylic Acid. Crystal Growth and Design, 2018, 18, 4060-4067.	1.4	39
72	Synthesis and Shaping Scale-up Study of Functionalized UiO-66 MOF for Ammonia Air Purification Filters. Industrial & Engineering Chemistry Research, 2018, 57, 8200-8208.	1.8	86

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73	Synthesis, Transformation, Catalysis, and Gas Sorption Investigations on the Bismuth Metalâ€“Organic Framework CAUâ€17. European Journal of Inorganic Chemistry, 2018, 2018, 3496-3503.	1.0	57
74	Direct water-based synthesis and characterization of new Zr/Hf-MOFs with dodecanuclear clusters as IBUs. CrystEngComm, 2018, 20, 5108-5111.	1.3	29
75	Fluorogenic naked-eye sensing and live-cell imaging of cyanide by a hydrazine-functionalized CAU-10 metalâ€“organic framework. CrystEngComm, 2018, 20, 4194-4201.	1.3	29
76	Multiparameter High-Throughput and in Situ X-ray Diffraction Study of Six New Bismuth Sulfonatocarboxylates: Discovery, Phase Transformation, and Reaction Trends. Inorganic Chemistry, 2018, 57, 10352-10363.	1.9	14
77	Rietveld Refinement of MILâ€160 and Its Structural Flexibility Upon H₂O and N₂ Adsorption. European Journal of Inorganic Chemistry, 2018, 2018, 3626-3632.	1.0	58
78	Probing the Evolution of Palladium Species in Pd@MOF Catalysts during the Heck Coupling Reaction: An Operando X-ray Absorption Spectroscopy Study. Journal of the American Chemical Society, 2018, 140, 8206-8217.	6.6	70
79	Combined in- and ex situ studies of pyrazine adsorption into the aliphatic MOF Al-CAU-13: structures, dynamics and correlations. Dalton Transactions, 2017, 46, 1397-1405.	1.6	21
80	Knoevenagel condensation reaction catalysed by Al-MOFs with CAU-1 and CAU-10-type structures. CrystEngComm, 2017, 19, 4187-4193.	1.3	92
81	Synthesis and crystal structure of three new bismuth(III) arylsulfonatocarboxylates. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 245-253.	0.4	7
82	Tuning the stability of bimetallic Ce(<scp>iv</scp>)/Zr(<scp>iv</scp>)-based MOFs with UiO-66 and MOF-808 structures. Dalton Transactions, 2017, 46, 2425-2429.	1.6	139
83	An in situ investigation of the water-induced phase transformation of UTSA-74 to MOF-74(Zn). CrystEngComm, 2017, 19, 4152-4156.	1.3	20
84	The ZIF system zinc(II) 4,5-dichoroimidazolate: theoretical and experimental investigations of the polymorphism and crystallization mechanisms. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 77-90.	0.4	7
85	Green Synthesis of Zr-CAU-28: Structure and Properties of the First Zr-MOF Based on 2,5-Furandicarboxylic Acid. Inorganic Chemistry, 2017, 56, 2270-2277.	1.9	66
86	Co-Ligand Dependent Formation and Phase Transformation of Four Porphyrin-Based Cerium Metalâ€“Organic Frameworks. Crystal Growth and Design, 2017, 17, 3462-3474.	1.4	29
87	Effect of partial linker fluorination and linker extension on structure and properties of the Al-MOF CAU-10. Microporous and Mesoporous Materials, 2017, 249, 128-136.	2.2	14
88	Polymorphous Al-MOFs Based on V-Shaped Linker Molecules: Synthesis, Properties, and in Situ Investigation of Their Crystallization. Inorganic Chemistry, 2017, 56, 5851-5862.	1.9	25
89	Synthesis, functionalisation and post-synthetic modification of bismuth metalâ€“organic frameworks. Dalton Transactions, 2017, 46, 8658-8663.	1.6	52
90	From Tetrahedral Tetraphosphonic Acids E[p -C₆ H₄ P(O)(OH)₂]₄ (E=C, Si) to Porous Cu- and Zn-MOFs with Large Surface Areas. ChemistrySelect, 2017, 2, 3035-3038.	0.7	19

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91	Reâ€Determination of the Crystal Structure of MILâ€91(Al). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 137-140.	0.6	12
92	New Group 13 MIL-53 Derivates based on 2,5-Thiophenedicarboxylic Acid. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1600-1608.	0.6	44
93	Emergence of Nonlinear Optical Activity by Incorporation of a Linker Carrying the p-Nitroaniline Motif in MIL-53 Frameworks. Journal of Physical Chemistry C, 2017, 121, 25509-25519.	1.5	20
94	A multi-purpose reaction cell for the investigation of reactions under solvothermal conditions. Review of Scientific Instruments, 2017, 88, 104102.	0.6	22
95	Rapid and highly sensitive detection of extracellular and intracellular H₂S by an azide-functionalized Al(<scp>iii</scp>)-based metalâ€“organic framework. Dalton Transactions, 2017, 46, 12856-12864.	1.6	57
96	Investigation of the effect of polar functional groups on the crystal structures of indium MOFs. CrystEngComm, 2017, 19, 4622-4628.	1.3	15
97	Synthesis of MOFs: a personal view on rationalisation, application and exploration. Dalton Transactions, 2017, 46, 8339-8349.	1.6	30
98	Synthesis of phosphonosulfonic acid building blocks as linkers for coordination polymers. New Journal of Chemistry, 2017, 41, 8870-8876.	1.4	8
99	Synthesis and Characterization of New Ce(IV)-MOFs Exhibiting Various Framework Topologies. Crystal Growth and Design, 2017, 17, 1125-1131.	1.4	133
100	A Facile â€œGreenâ€•Route for Scalable Batch Production and Continuous Synthesis of Zirconium MOFs. European Journal of Inorganic Chemistry, 2016, 2016, 4490-4498.	1.0	117
101	A Breathing Zirconium Metalâ€“Organic Framework with Reversible Loss of Crystallinity by Correlated Nanodomain Formation. Chemistry - A European Journal, 2016, 22, 3264-3267.	1.7	41
102	Nanoscale Synthesis of Two Porphyrin-Based MOFs with Gallium and Indium. Inorganic Chemistry, 2016, 55, 5312-5319.	1.9	37
103	Towards metalâ€“organic framework based field effect chemical sensors: UiO-66-NH₂ for nerve agent detection. Chemical Science, 2016, 7, 5827-5832.	3.7	108
104	Synthesis and characterisation of the porous zinc phosphonate [Zn₂(H₂PPB)(H₂O)₂]Â·xH₂O. CrystEngComm, 2016, 18, 8147-8150.	1.3	18
105	Water-based synthesis and characterisation of a new Zr-MOF with a unique inorganic building unit. Chemical Communications, 2016, 52, 12698-12701.	2.2	56
106	Conformation-controlled hydrogen storage in the CAU-1 metalâ€“organic framework. Physical Chemistry Chemical Physics, 2016, 18, 29258-29267.	1.3	15
107	Water adsorption behaviour of CAU-10-H: a thorough investigation of its structureâ€“property relationships. Journal of Materials Chemistry A, 2016, 4, 11859-11869.	5.2	166
108	Dihydroxybenzoquinone as Linker for the Synthesis of Permanently Porous Aluminum Metalâ€“Organic Frameworks. Inorganic Chemistry, 2016, 55, 7425-7431.	1.9	48

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109	Synthesis and structure of Zr(<scp>iv</scp>)- and Ce(<scp>iv</scp>)-based CAU-24 with 1,2,4,5-tetrakis(4-carboxyphenyl)benzene. Dalton Transactions, 2016, 45, 18822-18826.	1.6	76
110	Unprecedented Topological Complexity in a Metalâ€“Organic Framework Constructed from Simple Building Units. Journal of the American Chemical Society, 2016, 138, 1970-1976.	6.6	155
111	Structure and properties of Al-MIL-53-ADP, a breathing MOF based on the aliphatic linker molecule adipic acid. Dalton Transactions, 2016, 45, 4179-4186.	1.6	54
112	Screening of mixed-linker CAU-10 MOF materials for humidity sensing by impedance spectroscopy. Microporous and Mesoporous Materials, 2016, 220, 39-43.	2.2	34
113	Dimethylammonium 2-amino-5-nitroterephthalate hemihydrate. IUCrData, 2016, 1, .	0.1	1
114	Design of Hydrophilic Metal Organic Framework Water Adsorbents for Heat Reallocation. Advanced Materials, 2015, 27, 4775-4780.	11.1	253
115	Three Series of Sulfoâ€Functionalized Mixedâ€Linker CAUâ€10 Analogues: Sorption Properties, Proton Conductivity, and Catalytic Activity. Chemistry - A European Journal, 2015, 21, 12517-12524.	1.7	49
116	The new triazine-based porous copper phosphonate [Cu₃(PPT)(H₂O)₃]Â·10H₂O. Dalton Transactions, 2015, 44, 3720-3723.	1.6	38
117	Four new Al-based microporous metal-organic framework compounds with MIL-53-type structure containing functionalized extended linker molecules. Microporous and Mesoporous Materials, 2015, 216, 13-19.	2.2	34
118	Cerium-based metal organic frameworks with UiO-66 architecture: synthesis, properties and redox catalytic activity. Chemical Communications, 2015, 51, 12578-12581.	2.2	377
119	Flow-synthesis of carboxylate and phosphonate based metalâ€“organic frameworks under non-solvothermal reaction conditions. Dalton Transactions, 2015, 44, 11235-11240.	1.6	51
120	[Al2(OH)2(TCPB)] â€“ An Al-MOF based on a tetratopic linker molecule. Microporous and Mesoporous Materials, 2015, 216, 27-35.	2.2	18
121	Unexpected Photoreactivity in a NO₂-Functionalized Aluminum-MOF. Journal of Physical Chemistry C, 2015, 119, 26401-26408.	1.5	9
122	Surface-modified CAU-10 MOF materials as humidity sensors: impedance spectroscopic study on water uptake. Physical Chemistry Chemical Physics, 2015, 17, 21634-21642.	1.3	42
123	New Al-MOFs Based on Sulfonyldibenzoate Ions: A Rare Example of Intralayer Porosity. Inorganic Chemistry, 2015, 54, 492-501.	1.9	43
124	Enhancing the Water Stability of Alâ€MILâ€101â€NH₂ via Postsynthetic Modification. Chemistry - A European Journal, 2015, 21, 314-323.	1.7	87
125	Conformation-Controlled Sorption Properties and Breathing of the Aliphatic Al-MOF [Al(OH)(CDC)]. Inorganic Chemistry, 2014, 53, 4610-4620.	1.9	74
126	High-throughput ultrasonic synthesis and in situ crystallisation investigation of metal phosphonocarboxylates. Dalton Transactions, 2014, 43, 414-422.	1.6	21

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127	Group 13 Metal Carboxylates: Using Molecular Clusters As Hybrid Building Units in a MIL-53 Type Framework. Crystal Growth and Design, 2014, 14, 5310-5317.	1.4	13
128	Discovery of New Calcium Etidronates Employing Ultrasound Adapted High-Throughput Methods. Crystal Growth and Design, 2014, 14, 599-606.	1.4	15
129	Sulfonyl chlorides as an efficient tool for the postsynthetic modification of Cr-MIL-101-SO₃H and CAU-1-NH₂. Chemical Communications, 2014, 50, 9306-9308.	2.2	20
130	A zirconium squarate metalâ€“organic framework with modulator-dependent molecular sieving properties. Chemical Communications, 2014, 50, 10055-10058.	2.2	64
131	Metalâ€“organic frameworks as potential shock absorbers: the case of the highly flexible MIL-53(Al). Chemical Communications, 2014, 50, 9462-9464.	2.2	122
132	Aluminum-1,4-cyclohexanedicarboxylates: High-Throughput and Temperature-Dependent in Situ EDXRD Studies. Inorganic Chemistry, 2013, 52, 8699-8705.	1.9	63
133	Formation and characterisation of Mn-MIL-100. CrystEngComm, 2013, 15, 544-550.	1.3	100
134	High-throughput microwave-assisted discovery of new metal phosphonates. Dalton Transactions, 2013, 42, 8761.	1.6	20
135	Mixed-linker MOFs with CAU-10 structure: synthesis and gas sorption characteristics. Dalton Transactions, 2013, 42, 4840.	1.6	81
136	Structures, Sorption Characteristics, and Nonlinear Optical Properties of a New Series of Highly Stable Aluminum MOFs. Chemistry of Materials, 2013, 25, 17-26.	3.2	307
137	First Keto-Functionalized Microporous Al-Based Metalâ€“Organic Framework: [Al(OH)(O₂C-C₆H₄-CO-C₆H₄-CO₂)]. Inorganic Chemistry, 2013, 52, 1854-1859.	1.9	51
138	High-throughput studies of highly porous Al-based MOFs. Microporous and Mesoporous Materials, 2013, 171, 156-165.	2.2	39
139	Synthesis of MOFs. RSC Catalysis Series, 2013, , 9-30.	0.1	7
140	Bismuth Triâ€•and Tetraarylcarboxylates: Crystal Structures, In Situ Xâ€•ray Diffraction, Intermediates and Luminescence. Chemistry - A European Journal, 2013, 19, 12537-12546.	1.7	70
141	Identifying Selective Hostâ€“Guest Interactions Based on Hydrogen Bond Donorâ€“Acceptor Pattern in Functionalized Al-MIL-53 Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2013, 117, 19991-20001.	1.5	38
142	Crystallisation Kinetics of Metal Organic Frameworks From in situ Time-Resolved X-ray Diffraction. Powder Diffraction, 2013, 28, S256-S275.	0.4	52
143	Structure and Properties of [Al₄(OH)₈(oâ€C₆H₄(CO₂)₂)₂]Â·H₂O, a Layered Aluminum Phthalate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2785-2789.	0.6	17
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