Martin Schroder

List of Publications by Year
in descending order

518 papers	31,732 citations	4831 87 h-index	7627 156 g-index
548 all docs	548 docs citations	548 times ranked	19195 citing authors

#	Article	IF	Citations
1	Adsorption of iodine in metalâ€“organic framework materials. Chemical Society Reviews, 2022, 51, 3243-3262.	18.7	175
2	Coordination chemistry of nitrile-functionalized mixed thia-aza macrocycles [9]aneN₂S and [9]aneNS₂ towards silver(I). Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 169-175.	0.2	1
3	High capacity ammonia adsorption in a robust metalâ€“organic framework mediated by reversible hostâ€“guest interactions. Chemical Communications, 2022, 58, 5753-5756.	2.2	6
4	Direct Observation of Ammonia Storage in UiO-66 Incorporating Cu(II) Binding Sites. Journal of the American Chemical Society, 2022, 144, 8624-8632.	6.6	24
5	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
6	Efficient Photocatalytic Reduction of CO ₂ Catalyzed by the Metalâ€“Organic Framework MFM-300(Ga). CCS Chemistry, 2022, 4, 2560-2569.	4.6	9
7	Structural and Dynamic Analysis of Sulphur Dioxide Adsorption in a Series of Zirconiumâ€Based Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
8	Direct Visualization of Supramolecular Binding and Separation of Light Hydrocarbons in MFM-300(In). Chemistry of Materials, 2022, 34, 5698-5705.	3.2	11
9	Direct photo-oxidation of methane to methanol over a mono-iron hydroxyl site. Nature Materials, 2022, 21, 932-938.	13.3	77
10	Highly Efficient Proton Conduction in the Metalâ€“Organic Framework Material MFM-300(Cr)Â·SO₄(H₃O)₂. Journal of the American Chemical Society, 2022, 144, 11969-11974.	6.6	26
11	Enhanced proton conductivity in a flexible metalâ€“organic framework promoted by single-crystal-to-single-crystal transformation. Chemical Communications, 2021, 57, 65-68.	2.2	14
12	Ultra-thin g-C₃N₄/MFM-300(Fe) heterojunctions for photocatalytic aerobic oxidation of benzylic carbon centers. Materials Advances, 2021, 2, 5144-5149.	2.6	6
13	Binding and separation of CO₂, SO₂ and C₂H₂ in homo- and hetero-metallic metalâ€“organic framework materials. Journal of Materials Chemistry A, 2021, 9, 7190-7197.	5.2	17
14	Catalytic decomposition of NO2 over a copper-decorated metalâ€“organic framework by non-thermal plasma. Cell Reports Physical Science, 2021, 2, 100349.	2.8	10
15	High Ammonia Adsorption in MFM-300 Materials: Dynamics and Charge Transfer in Hostâ€“Guest Binding. Journal of the American Chemical Society, 2021, 143, 3153-3161.	6.6	67
16	Selective Gas Uptake and Rotational Dynamics in a (3,24)-Connected Metalâ€“Organic Framework Material. Journal of the American Chemical Society, 2021, 143, 3348-3358.	6.6	39
17	The Impact of Structural Defects on Iodine Adsorption in UiO-66. Chemistry, 2021, 3, 525-531.	0.9	15
18	Exceptional Packing Density of Ammonia in a Dual-Functionalized Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 6586-6592.	6.6	37

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19	The Origin of Catalytic Benzylic Câˆ’H Oxidation over a Redoxâ€Active Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2021, 60, 15243-15247.	7.2	15
20	The Origin of Catalytic Benzylic Câˆ’H Oxidation over a Redoxâ€Active Metalâ€“Organic Framework. Angewandte Chemie, 2021, 133, 15371-15375.	1.6	0
21	Construction of C-C bonds via photoreductive coupling of ketones and aldehydes in the metal-organic-framework MFM-300(Cr). Nature Communications, 2021, 12, 3583.	5.8	35
22	Purification of Propylene and Ethylene by a Robust Metalâ€“Organic Framework Mediated by Hostâ€“Guest Interactions. Angewandte Chemie, 2021, 133, 15669-15675.	1.6	11
23	Purification of Propylene and Ethylene by a Robust Metalâ€“Organic Framework Mediated by Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2021, 60, 15541-15547.	7.2	51
24	Atomically Dispersed Copper Sites in a Metalâ€“Organic Framework for Reduction of Nitrogen Dioxide. Journal of the American Chemical Society, 2021, 143, 10977-10985.	6.6	66
25	Simultaneous neutron powder diffraction and microwave characterisation at elevated temperatures. Physical Chemistry Chemical Physics, 2021, 23, 23602-23609.	1.3	0
26	Quantitative Electro-Reduction of CO₂ to Liquid Fuel over Electro-Synthesized Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 17384-17392.	6.6	73
27	Porous Metalâ€“Organic Polyhedra: Morphology, Porosity, and Guest Binding. Inorganic Chemistry, 2020, 59, 15646-15658.	1.9	16
28	Long-Term Stability of MFM-300(Al) toward Toxic Air Pollutants. ACS Applied Materials & Interfaces, 2020, 12, 42949-42954.	4.0	19
29	Adsorption of Nitrogen Dioxide in a Redox-Active Vanadium Metalâ€“Organic Framework Material. Journal of the American Chemical Society, 2020, 142, 15235-15239.	6.6	50
30	Electro-reduction of carbon dioxide at low over-potential at a metalâ€“organic framework decorated cathode. Nature Communications, 2020, 11, 5464.	5.8	62
31	Guest-Controlled Incommensurate Modulation in a Meta-Rigid Metalâ€“Organic Framework Material. Journal of the American Chemical Society, 2020, 142, 19189-19197.	6.6	24
32	Refinement of pore size at sub-angstrom precision in robust metalâ€“organic frameworks for separation of xylenes. Nature Communications, 2020, 11, 4280.	5.8	61
33	Observation of binding of carbon dioxide to nitro-decorated metalâ€“organic frameworks. Chemical Science, 2020, 11, 5339-5346.	3.7	28
34	Reversible MOF-Based Sensors for the Electrical Detection of Iodine Gas. ACS Applied Materials & Interfaces, 2019, 11, 27982-27988.	4.0	52
35	Analysis by synchrotron X-ray scattering of the kinetics of formation of an Fe-based metal-organic framework with high CO2 adsorption. APL Materials, 2019, 7, 111104.	2.2	4
36	Iodine Adsorption in a Redox-Active Metalâ€“Organic Framework: Electrical Conductivity Induced by Hostâˆ’Guest Charge-Transfer. Inorganic Chemistry, 2019, 58, 14145-14150.	1.9	74

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37	Modulating proton diffusion and conductivity in metalâ€“organic frameworks by incorporation of accessible free carboxylic acid groups. Chemical Science, 2019, 10, 1492-1499.	3.7	68
38	Hostâ€“guest selectivity in a series of isoreticular metalâ€“organic frameworks: observation of acetylene-to-alkyne and carbon dioxide-to-amide interactions. Chemical Science, 2019, 10, 1098-1106.	3.7	47
39	Post-synthetic modulation of the charge distribution in a metalâ€“organic framework for optimal binding of carbon dioxide and sulfur dioxide. Chemical Science, 2019, 10, 1472-1482.	3.7	62
40	Porous metalâ€“organic frameworks as emerging sorbents for clean air. Nature Reviews Chemistry, 2019, 3, 108-118.	13.8	202
41	Understanding Hysteresis in Carbon Dioxide Sorption in Porous Metalâ€“Organic Frameworks. Inorganic Chemistry, 2019, 58, 6811-6820.	1.9	19
42	Capture of nitrogen dioxide and conversion to nitric acid in a porous metalâ€“organic framework. Nature Chemistry, 2019, 11, 1085-1090.	6.6	116
43	Integration of mesopores and crystal defects in metal-organic frameworks via templated electrosynthesis. Nature Communications, 2019, 10, 4466.	5.8	90
44	Reversible coordinative binding and separation of sulfur dioxide in a robust metalâ€“organic framework with open copper sites. Nature Materials, 2019, 18, 1358-1365.	13.3	171
45	Heterobimetallic [NiFe] Complexes Containing Mixed CO/CN^{â€“}Ligands: Analogs of the Active Site of the [NiFe] Hydrogenases. Inorganic Chemistry, 2018, 57, 2558-2569.	1.9	14
46	Direct observation of supramolecular binding of light hydrocarbons in vanadium(<scp>iii</scp>) and (<scp>iv</scp>) metalâ€“organic framework materials. Chemical Science, 2018, 9, 3401-3408.	3.7	22
47	Locating the binding domains in a highly selective mixed matrix membrane <i>via</i> synchrotron IR microspectroscopy. Chemical Communications, 2018, 54, 2866-2869.	2.2	9
48	Enhancement of CO₂ Uptake and Selectivity in a Metalâ€“Organic Framework by the Incorporation of Thiophene Functionality. Inorganic Chemistry, 2018, 57, 5074-5082.	1.9	50
49	Polycatenated 2D Hydrogen-Bonded Binary Supramolecular Organic Frameworks (SOFs) with Enhanced Gas Adsorption and Selectivity. Crystal Growth and Design, 2018, 18, 2555-2562.	1.4	49
50	Unusual and Tunable Negative Linear Compressibility in the Metalâ€“Organic Framework MFM-133(M) (M) Tj ETQq0 0 0 rgBT /Overlock	6.6	60
51	InnenrÃ¼cktitelbild: Ammonia Storage by Reversible Hostâ€“Guest Site Exchange in a Robust Metalâ€“Organic Framework (Angew. Chem. 45/2018). Angewandte Chemie, 2018, 130, 15163-15163.	1.6	0
52	Exceptional Adsorption and Binding of Sulfur Dioxide in a Robust Zirconium-Based Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 15564-15567.	6.6	149
53	Optimal Binding of Acetylene to a Nitro-Decorated Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 16006-16009.	6.6	31
54	Enhancement of Proton Conductivity in Nonporous Metalâ€“Organic Frameworks: The Role of Framework Proton Density and Humidity. Chemistry of Materials, 2018, 30, 7593-7602.	3.2	55

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55	High Volumetric Hydrogen Adsorption in a Porous Anthracene-Decorated Metalâ€“Organic Framework. Inorganic Chemistry, 2018, 57, 12050-12055.	1.9	23
56	Ammonia Storage by Reversible Hostâ€“Guest Site Exchange in a Robust Metalâ€“Organic Framework. Angewandte Chemie, 2018, 130, 14994-14997.	1.6	14
57	Ammonia Storage by Reversible Hostâ€“Guest Site Exchange in a Robust Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2018, 57, 14778-14781.	7.2	86
58	Characterisation of redox states of metalâ€“organic frameworks by growth on modified thin-film electrodes. Chemical Science, 2018, 9, 6572-6579.	3.7	13
59	Reversible adsorption of nitrogen dioxide within a robust porous metalâ€“organic framework. Nature Materials, 2018, 17, 691-696.	13.3	162
60	A Cryptand Metalâ€“Organic Framework as a Platform for the Selective Uptake and Detection of Group I Metal Cations. Chemistry - A European Journal, 2017, 23, 2286-2289.	1.7	18
61	Rational Synthesis and Investigation of Porous Metalâ€“Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. Inorganic Chemistry, 2017, 56, 1599-1608.	1.9	63
62	Tailoring porosity and rotational dynamics in a series of octacarboxylate metal-organic frameworks. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3056-3061.	3.3	73
63	Stepwise observation and quantification and mixed matrix membrane separation of CO₂ within a hydroxy-decorated porous host. Chemical Science, 2017, 8, 3239-3248.	3.7	15
64	Unravelling exceptional acetylene and carbon dioxide adsorption within a tetra-amide functionalized metal-organic framework. Nature Communications, 2017, 8, 14085.	5.8	193
65	Modulating supramolecular binding of carbon dioxide in a redox-active porous metal-organic framework. Nature Communications, 2017, 8, 14212.	5.8	75
66	Binding CO₂ by a Cr₈ Metallacrown. Angewandte Chemie - International Edition, 2017, 56, 5527-5530.	7.2	18
67	Binding CO₂ by a Cr₈ Metallacrown. Angewandte Chemie, 2017, 129, 5619-5622.	1.6	4
68	Structural and dynamic studies of substrate binding in porous metalâ€“organic frameworks. Chemical Society Reviews, 2017, 46, 239-274.	18.7	206
69	Metalâ€“organic frameworks in seconds via selective microwave heating. Journal of Materials Chemistry A, 2017, 5, 7333-7338.	5.2	71
70	Probing the use of long lived intra-ligand Ï€â€“Ï€* excited states for photocatalytic systems: A study of the photophysics and photochemistry of [ReCl(CO)3(dppz-(CH3)2)]. Polyhedron, 2017, 123, 259-264.	1.0	5
71	Halochromic coordination polymers based on a triarylmethane dye for reversible detection of acids. Dalton Transactions, 2017, 46, 465-470.	1.6	9
72	Gas adsorption and structural diversity in a family of Cu(II) pyridyl-isophthalate metalâ€“organic framework materials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160334.	1.6	10

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73	Confinement of Iodine Molecules into Triple-Helical Chains within Robust Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 16289-16296.	6.6	199
74	Porous Metalâ€“Organic Polyhedral Frameworks with Optimal Molecular Dynamics and Pore Geometry for Methane Storage. Journal of the American Chemical Society, 2017, 139, 13349-13360.	6.6	99
75	Supramolecular networks stabilise and functionalise black phosphorus. Nature Communications, 2017, 8, 1385.	5.8	72
76	The effect of carboxylate position on the structure of a metal organic framework derived from cyclotriveratrylene. CrystEngComm, 2017, 19, 603-607.	1.3	10
77	Tracking charge in metal organic frameworks promises to improve fuel cell materials. Fuel Cells Bulletin, 2016, 2016, 12-13.	0.7	1
78	Computational Evaluation of the Impact of Incorporated Nitrogen and Oxygen Heteroatoms on the Affinity of Polyaromatic Ligands for Carbon Dioxide and Methane in Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2016, 120, 27342-27348.	1.5	9
79	Selective Hysteretic Sorption of Light Hydrocarbons in a Flexible Metalâ€“Organic Framework Material. Chemistry of Materials, 2016, 28, 2331-2340.	3.2	112
80	Adsorption Properties of MFM-400 and MFM-401 with CO₂ and Hydrocarbons: Selectivity Derived from Directed Supramolecular Interactions. Inorganic Chemistry, 2016, 55, 7219-7228.	1.9	41
81	Proton Conduction in a Phosphonate-Based Metalâ€“Organic Framework Mediated by Intrinsic â€œFree Diffusion inside a Sphereâ€• Journal of the American Chemical Society, 2016, 138, 6352-6355.	6.6	186
82	Amides Do Not Always Work: Observation of Guest Binding in an Amide-Functionalized Porous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2016, 138, 14828-14831.	6.6	44
83	Selective Adsorption of Sulfur Dioxide in a Robust Metalâ€“Organic Framework Material. Advanced Materials, 2016, 28, 8705-8711.	11.1	214
84	High-pressure studies of three polymorphs of a palladium(II) oxathioether macrocyclic complex. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 357-371.	0.5	4
85	Observation of Binding and Rotation of Methane and Hydrogen within a Functional Metalâ€“Organic Framework. Journal of the American Chemical Society, 2016, 138, 9119-9127.	6.6	54
86	Assembly of high nuclearity clusters from a family of tripodal tris-carboxylate ligands. Polyhedron, 2016, 120, 18-29.	1.0	5
87	A Comparison of the Selectivity of Extraction of [PtCl6]2â€“ by Mono-, Bi-, and Tripodal Receptors That Address Its Outer Coordination Sphere. Inorganic Chemistry, 2016, 55, 6247-6260.	1.9	14
88	Stabilising the lowest energy charge-separated state in a {metal chromophore â€“ fullerene} assembly: a tuneable panchromatic absorbing donorâ€“acceptor triad. Chemical Science, 2016, 7, 5908-5921.	3.7	15
89	Understanding the electromagnetic interaction of metal organic framework reactants in aqueous solution at microwave frequencies. Physical Chemistry Chemical Physics, 2016, 18, 5419-5431.	1.3	31
90	Enhancement of CO₂ Adsorption and Catalytic Properties by Fe-Doping of [Ga₂(OH)₂(L)] (H₄L = Biphenyl-3,3â€²,5,5â€²-tetracarboxylic Acid), MFM-300(Ga₂). Inorganic Chemistry, 2016, 55, 1076-1088.	1.9	70

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91	Aurophilicity under pressure: a combined crystallographic and in situ spectroscopic study. Chemical Communications, 2016, 52, 6769-6772.	2.2	14
92	Non-Interpenetrated Metalâ€“Organic Frameworks Based on Copper(II) Paddlewheel and Oligoparaxylene-Isophthalate Linkers: Synthesis, Structure, and Gas Adsorption. Journal of the American Chemical Society, 2016, 138, 3371-3381.	6.6	104
93	Synthesis and Photophysical Study of a [NiFe] Hydrogenase Biomimetic Compound Covalently Linked to a Re-diimine Photosensitizer. Inorganic Chemistry, 2016, 55, 527-536.	1.9	20
94	New coordination chemistry and properties revealed by high pressure crystallography. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s65-s65.	0.0	0
95	Synthesis and characterization of chiral copper(ii) coordination polymers with 4,4Â´-bipyridine and lactic acid derivatives. Russian Chemical Bulletin, 2015, 64, 2908-2913.	0.4	2
96	Epitaxial Retrieval of a Disappearing Polymorph. Crystal Growth and Design, 2015, 15, 115-123.	1.4	10
97	Selective gas adsorption in microporous metalâ€“organic frameworks incorporating urotropine basic sites: an experimental and theoretical study. Chemical Communications, 2015, 51, 13918-13921.	2.2	29
98	Structural aspects of metal-organic framework-based energy materials research at Diamond. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20130149.	1.6	2
99	Hirshfeld Surface Investigation of Structure-Directing Interactions within Dipicolinic Acid Derivatives. Crystal Growth and Design, 2015, 15, 1697-1706.	1.4	68
100	A Ni(<scp>i</scp>)Fe(<scp>ii</scp>) analogue of the Ni-L state of the active site of the [NiFe] hydrogenases. Chemical Communications, 2015, 51, 16988-16991.	2.2	25
101	Control of Assembly of Dihydropyridyl and Pyridyl Molecules via Directed Hydrogen Bonding. Crystal Growth and Design, 2015, 15, 4219-4224.	1.4	10
102	Nucleation and Early Stages of Layer-by-Layer Growth of Metal Organic Frameworks on Surfaces. Journal of Physical Chemistry C, 2015, 119, 23544-23551.	1.5	49
103	The new chemistry of the elements. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140190.	1.6	3
104	Supramolecular binding and separation of hydrocarbons within a functionalized porous metalâ€“organic framework. Nature Chemistry, 2015, 7, 121-129.	6.6	530
105	Switching intermolecular interactions by confinement in carbon nanotubes. Chemical Communications, 2015, 51, 648-651.	2.2	5
106	Tuning the interactions between electron spins in fullerene-based triad systems. Beilstein Journal of Organic Chemistry, 2014, 10, 332-343.	1.3	8
107	Studies on Metalâ€“Organic Frameworks of Cu(II) with Isophthalate Linkers for Hydrogen Storage. Accounts of Chemical Research, 2014, 47, 296-307.	7.6	261
108	Simultaneous adsorption of Cu(II) and SO42â^' ions by a novel silica gel functionalized with a ditopic zwitterionic Schiff base ligand. Chemical Engineering Journal, 2014, 250, 55-65.	6.6	65

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109	A Novel Bismuthâ€Based Metalâ€“Organic Framework for High Volumetric Methane and Carbon Dioxide Adsorption. Chemistry - A European Journal, 2014, 20, 8024-8029.	1.7	67
110	New Pathway for Heterogenization of Molecular Catalysts by Non-covalent Interactions with Carbon Nanoreactors. Chemistry of Materials, 2014, 26, 6461-6466.	3.2	23
111	Porous macromolecular dihydropyridyl frameworks exhibiting catalytic and halochromic activity. Journal of Materials Chemistry A, 2014, 2, 19889-19896.	5.2	4
112	Synthesis of metalâ€“organic frameworks by continuous flow. Green Chemistry, 2014, 16, 3796-3802.	4.6	137
113	Analysis of High and Selective Uptake of CO₂ in an Oxamideâ€Containing {Cu₂(OOCR)₄}â€Based Metalâ€“Organic Framework. Chemistry - A European Journal, 2014, 20, 7317-7324.	1.7	119
114	A Robust Binary Supramolecular Organic Framework (SOF) with High CO₂ Adsorption and Selectivity. Journal of the American Chemical Society, 2014, 136, 12828-12831.	6.6	287
115	Photochemical Dihydrogen Production Using an Analogue of the Active Site of [NiFe] Hydrogenase. Inorganic Chemistry, 2014, 53, 4430-4439.	1.9	26
116	Methane Adsorption in Metalâ€“Organic Frameworks Containing Nanographene Linkers: A Computational Study. Journal of Physical Chemistry C, 2014, 118, 15573-15580.	1.5	17
117	High-pressure studies of palladium and platinum thioether macrocyclic dihalide complexes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 469-486.	0.5	6
118	Inelastic neutron scattering study of binding of para-hydrogen in an ultra-microporous metalâ€“organic framework. Chemical Physics, 2014, 428, 111-116.	0.9	10
119	Structural chemistry of metal coordination complexes at high pressure. Coordination Chemistry Reviews, 2014, 277-278, 187-207.	9.5	27
120	Transition Metal Complexes of a Salenâ€“Fullerene Diad: Redox and Catalytically Active Nanostructures for Delivery of Metals in Nanotubes. Chemistry - A European Journal, 2013, 19, 11999-12008.	1.7	15
121	Permanent Porosity Derived From the Selfâ€Assembly of Highly Luminescent Molecular Zinc Carbonate Nanoclusters. Angewandte Chemie - International Edition, 2013, 52, 13414-13418.	7.2	46
122	Modulating the packing of [Cu24(isophthalate)24] cuboctahedra in a triazole-containing metalâ€“organic polyhedral framework. Chemical Science, 2013, 4, 1731.	3.7	123
123	Five Coordinate M(II)-Diphenolate [M = Zn(II), Ni(II), and Cu(II)] Schiff Base Complexes Exhibiting Metal- and Ligand-Based Redox Chemistry. Inorganic Chemistry, 2013, 52, 660-670.	1.9	39
124	Irreversible Network Transformation in a Dynamic Porous Host Catalyzed by Sulfur Dioxide. Journal of the American Chemical Society, 2013, 135, 4954-4957.	6.6	123
125	Triad and cyclic diad compounds of [60]fullerene with metallocenes. Dalton Transactions, 2013, 42, 5056.	1.6	8
126	Bowing to the Pressure of Ï€â‹…â‹…â‹…Ï€ Interactions: Bending of Phenyl Rings in a Palladium(II) Thioether Crown Complex. Angewandte Chemie - International Edition, 2013, 52, 5093-5095.	7.2	18

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127	Packing of Isophthalate Tetracarboxylic Acids on Au(111): Rows and Disordered Herringbone Structures. Journal of Physical Chemistry C, 2013, 117, 18381-18385.	1.5	13
128	High-Nuclearity Metalâ€"Organic Nanospheres: A Cd₆₆ Ball. Journal of the American Chemical Society, 2012, 134, 55-58.	6.6	61
129	Redox Non-innocence of Thioether Crowns: Elucidation of the Electronic Structure of the Mononuclear Pd(III) Complexes [Pd([9]aneS₃)₂]³⁺ and [Pd([18]aneS₆)]³⁺. Inorganic Chemistry, 2012, 51, 1450-1461.	1.9	16
130	Near-critical water, a cleaner solvent for the synthesis of a metalâ€"organic framework. Green Chemistry, 2012, 14, 117-122.	4.6	53
131	Selectivity and direct visualization of carbon dioxide and sulfur dioxide in a decorated porous host. Nature Chemistry, 2012, 4, 887-894.	6.6	466
132	Broken symmetry and the variation of critical properties in the phase behaviour of supramolecular rhombus tilings. Nature Chemistry, 2012, 4, 112-117.	6.6	60
133	Selective CO2 uptake and inverse CO2/C2H2 selectivity in a dynamic bifunctional metalâ€"organic framework. Chemical Science, 2012, 3, 2993.	3.7	117
134	A partially interpenetrated metalâ€"organic framework for selective hysteretic sorption ofÂcarbon dioxide. Nature Materials, 2012, 11, 710-716.	13.3	430
135	Design and Function of Preâ€organised Outerâ€Sphere Amidopyridyl Extractants for Zinc(II) and Cobalt(II) Chlorometallates: The Role of Cï£¿H Hydrogen Bonds. Chemistry - A European Journal, 2012, 18, 7715-7728.	1.7	28
136	An efficient route to the synthesis of symmetric and asymmetric diastereomerically pure fullerene triads. Tetrahedron, 2012, 68, 4976-4985.	1.0	5
137	A mesoporous metalâ€"organic framework constructed from a nanosized C3-symmetric linker and [Cu24(isophthalate)24] cuboctahedra. Chemical Communications, 2011, 47, 9995.	2.2	130
138	Increasing nuclearity of secondary building units in porous cobalt(ii) metalâ€"organic frameworks: Variation in structure and H2 adsorption. Dalton Transactions, 2011, 40, 12342.	1.6	26
139	Encapsulation of transition metal atoms into carbon nanotubes: a supramolecular approach. Chemical Communications, 2011, 47, 5696.	2.2	24
140	Highly porous and robust scandium-based metalâ€"organic frameworks for hydrogen storage. Chemical Communications, 2011, 47, 8304.	2.2	156
141	Pore with Gate: Enhancement of the Isosteric Heat of Adsorption of Dihydrogen via Postsynthetic Cation Exchange in Metalâˆ'Organic Frameworks. Inorganic Chemistry, 2011, 50, 9374-9384.	1.9	84
142	High capacity gas storage by a 4,8-connected metalâ€"organic polyhedral framework. Chemical Communications, 2011, 47, 4487.	2.2	220
143	Pore with gate: modulating hydrogen storage in metal-organic framework materials via cation exchange. Faraday Discussions, 2011, 151, 19.	1.6	48
144	Guest-induced growth of a surface-based supramolecular bilayer. Nature Chemistry, 2011, 3, 74-78.	6.6	142

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145	Metal Complex of Hydrogenase Active Sites. RSC Energy and Environment Series, 2011, , 326-386.	0.2	4
146	A Piggyback Ride for Transition Metals: Encapsulation of Exohedral Metallofullerenes in Carbon Nanotubes. Chemistry - A European Journal, 2011, 17, 668-674.	1.7	34
147	Redox Nonâ€‘Innocence of Thioether Crowns: Spectroelectrochemistry and Electronic Structure of Formal Nickel(III) Complexes of Azaâ€“Thioether Macrocycles. Chemistry - A European Journal, 2011, 17, 10246-10258.	1.7	18
148	Modifying Cage Structures in Metalâ€“Organic Polyhedral Frameworks for H₂ Storage. Chemistry - A European Journal, 2011, 17, 11162-11170.	1.7	73
149	Structures and H₂ Adsorption Properties of Porous Scandium Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2010, 16, 13671-13679.	1.7	77
150	Transition metal dipicolinates as designer T-shaped building blocks. CrystEngComm, 2010, 12, 1576.	1.3	17
151	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
152	Metalâˆ’Organic Polyhedral Frameworks: High H₂ Adsorption Capacities and Neutron Powder Diffraction Studies. Journal of the American Chemical Society, 2010, 132, 4092-4094.	6.6	281
153	Interaction of tripodal Schiff-base ligands with silver(i): structural and solution studies. CrystEngComm, 2010, 12, 4176.	1.3	25
154	Complexation of Constrained Ligands Piperazine, N-substituted Piperazines, and Thiomorpholine. Australian Journal of Chemistry, 2009, 62, 1196.	0.5	4
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410	[12]aneS4PdCl2. Acta Crystallographica Section C: Crystal Structure Communications, 1993, 49, 167-168.	0.4	0
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413	Synthesis, structure and electrochemistry of [Pt([10]aneS3)2][PF6]2([10]aneS3=) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 T	1.1	26
414	Structural isomerism in silver thioether macrocyclic chemistry: the synthesis, redox properties and crystal structures of [Agn([15]aneS5)n][PF6]nâ€² [Ag2([15]aneS5)2][BPh4]2and [Ag([15]aneS5)][B(C6F5)4]([15]aneS5= 1,4,7,10,13-pentathiacyclopentadecane). Journal of the Chemical Society Dalton Transactions, 1993, , 521-531.	1.1	48

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426	Correlation of the redox properties and stereochemical features of copper complexes of [18]aneN2S4(1,4,10,13-tetrathia-7,16-diazacyclooctadecane) and its N,Nâ€²-dimethyl derivative Me2[18]aneN2S4. Crystal structures of [CuII([18]aneN2S4)][ClO4]2Â·H2O, [CuII(Me2[18]aneN2S4)][PF6]2, [CuI2([18]aneN2S4)]BPh4, [CuI(Me2[18]aneN2S4)]PF6and [CuI2(Me2[18]aneN2S4)(NCMe)2][PF6]2. Journal of the Chemical Society Dalton Transactions, 1992, , 2903-2912.	1.1	12
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431	Osmium thioether chemistry: synthesis and single-crystal X-ray structures of [Os([9]aneS3)2][PF6]2Â·2MeNO2, [Os(4-MeC6H4Pri)([9]aneS3)][BPh4]2Â·MeNO2and [OsH(CO)(PPh3)([9]aneS3)]PF6Â·0.5CH2Cl2([9]aneS3= 1,4,7-trithiacyclononane). Journal of the Chemical Society Dalton Transactions, 1992, , 2977-2986.	1.1	16
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438	Synthesis, structure and reactivity of cationic rhodium(I) and iridium(I) thioether crowns: structures of [M([9]aneS3)(cod)]+(M = Rh, Ir; cod = cycloocta-1,5-diene) and [Rh([9]aneS3)(C2H4)2]+([9]aneS3=) Tj ETQq0 0 0 rgBT /Overlock 1	2.0	28
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