

Neil R. Champness

List of Publications by Year in descending order

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267
papers

24,160
citations

8159

76
h-index

7718

150
g-index

268
all docs

268
docs citations

268
times ranked

16208
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective photoinduced charge separation in perylene diimide-pillar[5]arene rotaxanes. <i>Nature Communications</i> , 2022, 13, 415.	5.8	15
2	Mechanically interlocked molecular handcuffs. <i>Chemical Science</i> , 2022, 13, 3915-3941.	3.7	25
3	Order, disorder, and metalation of tetraphenylporphyrin (2 <i>H</i> -TPP) on Au(111). <i>Chemical Communications</i> , 2022, 58, 6247-6250.	2.2	4
4	Thin film synthesis of hybrid ultramicroporous materials (HUMs)- a comparative approach. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110686.	2.2	5
5	Retention of perylene diimide optical properties in solid-state materials through tethering to nanodiamonds. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10317-10323.	2.7	2
6	Molecular dopant determines the structure of a physisorbed self-assembled molecular network. <i>Chemical Communications</i> , 2021, 57, 1454-1457.	2.2	14
7	The chemistry of phosphines in constrained, well-defined microenvironments. <i>Chemical Society Reviews</i> , 2021, 50, 4411-4431.	18.7	27
8	2021 roadmap on lithium sulfur batteries. <i>JPhys Energy</i> , 2021, 3, 031501.	2.3	74
9	Gas Transport Properties of the Metal-Organic Framework (MOF)-Assisted Polymer of Intrinsic Microporosity (PIM-1) Thin-Film Composite Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 684-694.	3.2	27
10	Synthesis of MIL-53 thin films by vapour-assisted conversion. <i>CrystEngComm</i> , 2020, 22, 1009-1017.	1.3	8
11	Porous Metal-Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , 2020, 59, 15646-15658.	1.9	16
12	Metal-Organic Frameworks and Metal-Organic Cages – A Perspective. <i>ChemPlusChem</i> , 2020, 85, 1842-1856.	1.3	65
13	Electrochemical and spectroelectrochemical investigations of perylene peri-tetracarboxyl species. <i>Dyes and Pigments</i> , 2020, 183, 108735.	2.0	4
14	Structural characterisation of molecular conformation and the incorporation of adatoms in an on-surface Ullmann-type reaction. <i>Communications Chemistry</i> , 2020, 3, .	2.0	16
15	On-surface chemical reactions characterised by ultra-high resolution scanning probe microscopy. <i>Chemical Society Reviews</i> , 2020, 49, 4189-4202.	18.7	26
16	A periodic table of metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2020, 414, 213295.	9.5	84
17	Influence of molecular design on radical spin multiplicity: characterisation of BODIPY dyad and triad radical anions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4429-4438.	1.3	2
18	Isolating reactive metal-based species in Metal-Organic Frameworks – viable strategies and opportunities. <i>Chemical Science</i> , 2020, 11, 4031-4050.	3.7	59

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19	per-Alkoxy-pillar[5]arenes as Electron Donors: Electrochemical Properties of Dimethoxy-Pillar[5]arene and Its Corresponding Rotaxane. <i>Molecules</i> , 2020, 25, 1627.	1.7	4
20	Isomer Interconversion Studied through Single-Crystal to Single-Crystal Transformations in a Metal-Organic Framework Matrix. <i>Organometallics</i> , 2019, 38, 3412-3418.	1.1	12
21	Coordination controlled electrodeposition and patterning of layers of palladium/copper nanoparticles on top of a self-assembled monolayer. <i>Nanoscale</i> , 2019, 11, 13773-13782.	2.8	8
22	Structural characterization and optical properties of two copper-iodide BODIPY coordination polymers. <i>CrystEngComm</i> , 2019, 21, 4551-4556.	1.3	8
23	Two-Dimensional Networks of Thiocyanuric Acid and Imine Bases Assisted by Weak Hydrogen Bonds. <i>Crystal Growth and Design</i> , 2019, 19, 5945-5954.	1.4	8
24	Restricting shuttling in bis(imidazolium)-pillar[5]arene rotaxanes using metal coordination. <i>Dalton Transactions</i> , 2019, 48, 58-64.	1.6	22
25	Synthesis and characterisation of rylene diimide dimers using molecular handcuffs. <i>Chemical Science</i> , 2019, 10, 3723-3732.	3.7	28
26	Frontispiece: An On-Surface Reaction Confined within a Porous Molecular Template. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
27	Perylene Diimide Triple Helix Formation in the Solid State. <i>Crystal Growth and Design</i> , 2018, 18, 802-807.	1.4	9
28	Protecting-Group-Free Site-Selective Reactions in a Metal-Organic Framework Reaction Vessel. <i>Journal of the American Chemical Society</i> , 2018, 140, 6416-6425.	6.6	44
29	An On-Surface Reaction Confined within a Porous Molecular Template. <i>Chemistry - A European Journal</i> , 2018, 24, 56-61.	1.7	14
30	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 752-764.	1.3	30
31	Thionated Perylene Diimide-Phenothiazine Dyad: Synthesis, Structure, and Electrochemical Studies. <i>ACS Omega</i> , 2018, 3, 14236-14244.	1.6	11
32	Controlling the Two-Dimensional Self-Assembly of Functionalized Porphyrins via Adenine-Thymine Quartet Formation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26070-26079.	1.5	8
33	Influence of Hydrogen-Bonding Interactions on Nuclearity and Structure of Palladium Tiara-like Complexes. <i>ACS Omega</i> , 2018, 3, 8769-8776.	1.6	3
34	Synthesis of hydrophobic MIL-53(Al) nanoparticles in low molecular weight alcohols: systematic investigation of solvent effects. <i>CrystEngComm</i> , 2018, 20, 4666-4675.	1.3	23
35	Metal-Organic Nanosheets Step into the Spotlight. <i>CheM</i> , 2018, 4, 933-934.	5.8	2
36	Lining up metal-organic frameworks. <i>Nature Materials</i> , 2017, 16, 283-284.	13.3	6

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37	Frontiers of supramolecular chemistry at solid surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 2520-2542.	18.7	196
38	Core-substituted Naphthalene Diimides: Influence of Substituent Conformation on Strong Visible Absorption. <i>ChemPlusChem</i> , 2017, 82, 489-492.	1.3	6
39	Metal-organic frameworks in seconds via selective microwave heating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7333-7338.	5.2	71
40	Gas adsorption and structural diversity in a family of Cu(II) pyridyl-isophthalate metal-organic framework materials. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160334.	1.6	10
41	Photochemistry of framework-supported M(diimine)(CO) ₃ X complexes in three-dimensional lithium carboxylate metal-organic frameworks: monitoring the effect of framework cations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160033.	1.6	10
42	Coordination polymers and metal-organic frameworks: materials by design. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160032.	1.6	44
43	Complexity of two-dimensional self-assembled arrays at surfaces. <i>Chemical Communications</i> , 2017, 53, 11528-11539.	2.2	18
44	Supramolecular systems at liquid-solid interfaces: general discussion. <i>Faraday Discussions</i> , 2017, 204, 271-295.	1.6	2
45	Nickel(II) metal-organic frameworks with N,N'-di(4-pyridyl)-naphthalenediimide ligands: influence of secondary building unit geometry on dimensionality and framework dimensions. <i>CrystEngComm</i> , 2017, 19, 5558-5564.	1.3	12
46	Covalent organic frameworks and organic cage structures. <i>CrystEngComm</i> , 2017, 19, 4866-4867.	1.3	3
47	Supramolecular networks stabilise and functionalise black phosphorus. <i>Nature Communications</i> , 2017, 8, 1385.	5.8	72
48	Ullmann Coupling Reactions on Ag(111) and Ag(110); Substrate Influence on the Formation of Covalently Coupled Products and Intermediate Metal-Organic Structures. <i>Scientific Reports</i> , 2017, 7, 14541.	1.6	33
49	Emerging applications of metal-organic frameworks. <i>CrystEngComm</i> , 2016, 18, 6532-6542.	1.3	125
50	Assembly of high nuclearity clusters from a family of tripodal tris-carboxylate ligands. <i>Polyhedron</i> , 2016, 120, 18-29.	1.0	5
51	Understanding the electromagnetic interaction of metal organic framework reactants in aqueous solution at microwave frequencies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5419-5431.	1.3	31
52	Thionated perylene diimides with intense absorbance in the near-IR. <i>Chemical Communications</i> , 2016, 52, 2099-2102.	2.2	24
53	A new luminescent silver-based probe for on/off sulfide determination. <i>Inorganic Chemistry Communication</i> , 2016, 63, 93-95.	1.8	5
54	X-ray Crystallography in Open Framework Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12860-12867.	7.2	75

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55	Thymine functionalised porphyrins, synthesis and heteromolecular surface-based self-assembly. <i>Chemical Science</i> , 2015, 6, 1562-1569.	3.7	39
56	Physisorption Controls the Conformation and Density of States of an Adsorbed Porphyrin. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27982-27994.	1.5	34
57	Enhanced Synthesis of Metal-Organic Frameworks on the Surface of Electrospun Cellulose Nanofibers. <i>Advanced Engineering Materials</i> , 2015, 17, 1282-1286.	1.6	59
58	Simulated structure and imaging of NTCDI on Si(1 1 1)-7 Å ² — a combined STM, NC-AFM and DFT study. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 054004.	0.7	9
59	Measuring the mechanical properties of molecular conformers. <i>Nature Communications</i> , 2015, 6, 8338.	5.8	22
60	van der Waals-Induced Chromatic Shifts in Hydrogen-Bonded Two-Dimensional Porphyrin Arrays on Boron Nitride. <i>ACS Nano</i> , 2015, 9, 10347-10355.	7.3	40
61	Fullerenes as adhesive layers for mechanical peeling of metallic, molecular and polymer thin films. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 394-401.	1.5	7
62	Intramolecular bonds resolved on a semiconductor surface. <i>Physical Review B</i> , 2014, 90, .	1.1	29
63	Common Physical Framework Explains Phase Behavior and Dynamics of Atomic, Molecular, and Polymeric Network Formers. <i>Physical Review X</i> , 2014, 4, .	2.8	16
64	Mapping the force field of a hydrogen-bonded assembly. <i>Nature Communications</i> , 2014, 5, 3931.	5.8	133
65	Photophysics and electrochemistry of a platinum-acetylide disubstituted perylene diimide. <i>Dalton Transactions</i> , 2014, 43, 85-94.	1.6	35
66	Modification of coordination networks through a photoinduced charge transfer process. <i>Chemical Science</i> , 2014, 5, 539-544.	3.7	28
67	Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. <i>Chemical Communications</i> , 2014, 50, 8882-8885.	2.2	23
68	Surface-Based Supramolecular Chemistry Using Hydrogen Bonds. <i>Accounts of Chemical Research</i> , 2014, 47, 3417-3427.	7.6	161
69	Crystallized creations in 2D. <i>Nature Chemistry</i> , 2014, 6, 757-759.	6.6	31
70	Photochemistry in a 3D Metal-Organic Framework (MOF): Monitoring Intermediates and Reactivity of the <i>fac</i> -to- <i>mer</i> Photoisomerization of Re(diimine)(CO) ₃ Cl Incorporated in a MOF. <i>Inorganic Chemistry</i> , 2014, 53, 2606-2612.	1.9	27
71	High-pressure studies of palladium and platinum thioether macrocyclic dihalide complexes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 469-486.	0.5	6
72	Single molecule magnets with protective ligand shells on gold and titanium dioxide surfaces: In situ electrospray deposition and x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2013, 139, 154708.	1.2	11

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73	Terminology of metal-organic frameworks and coordination polymers (IUPAC Recommendations) Tj ETQq1 1 0.784314 rgBT /Overbo	0.9	984
74	Manganese(ii) and copper(ii) nitrate bis-imidazole coordination polymers: dimensionality and product morphology. CrystEngComm, 2013, 15, 9704.	1.3	5
75	Bis-thioether-Substituted Perylene Diimides: Structural, Electrochemical, and Spectroelectrochemical Properties. Journal of Organic Chemistry, 2013, 78, 2853-2862.	1.7	14
76	Accommodation of Lattice Mismatch in a Thiol Self-Assembled Monolayer. Journal of Physical Chemistry C, 2013, 117, 4647-4656.	1.5	6
77	Bowing to the Pressure of π - π Interactions: Bending of Phenyl Rings in a Palladium(II) Thioether Crown Complex. Angewandte Chemie - International Edition, 2013, 52, 5093-5095.	7.2	18
78	The brave new world of coordination frameworks. Chemical Communications, 2013, 49, 331-333.	2.2	22
79	Illuminating Feynman's vision. Nature Nanotechnology, 2013, 8, 163-164.	15.6	1
80	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
81	Porphyrin-Based Metal Organic Frameworks: Unusual examples of Mn(II) carboxylate frameworks containing free-base porphyrins.. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, 335-342.	0.4	4
82	Hydrogen-bonded chains formed by 5,5-diethylbarbituric acid and bipyridyl tectons. Supramolecular Chemistry, 2012, 24, 40-47.	1.5	4
83	Experimental observation of sub-femtosecond charge transfer in a model water splitting dye-sensitized solar cell. Journal of Chemical Physics, 2012, 137, 224706.	1.2	7
84	Effects of pore modification on the templating of guest molecules in a 2D honeycomb network. Chemical Science, 2012, 3, 84-92.	3.7	46
85	Supramolecular isomers of metal-organic frameworks: the role of a new mixed donor imidazolate-carboxylate tetradentate ligand. Dalton Transactions, 2012, 41, 4020.	1.6	16
86	High-Nuclearity Metal-Organic Nanospheres: A Cd ₆₆ Ball. Journal of the American Chemical Society, 2012, 134, 55-58.	6.6	61
87	Making the right connections. Nature Chemistry, 2012, 4, 149-150.	6.6	22
88	Supramolecular architectures of symmetrical dicationic ionic liquid based systems. CrystEngComm, 2012, 14, 4886.	1.3	19
89	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
90	Synthesis and characterisation of BODIPY radical anions. Chemical Communications, 2012, 48, 1751.	2.2	37

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91	Coordination polymers, metal-organic frameworks and the need for terminology guidelines. CrystEngComm, 2012, 14, 3001.	1.3	464
92	Selective CO ₂ uptake and inverse CO ₂ /C ₂ H ₂ selectivity in a dynamic bifunctional metal-organic framework. Chemical Science, 2012, 3, 2993.	3.7	117
93	A partially interpenetrated metal-organic framework for selective hysteretic sorption of carbon dioxide. Nature Materials, 2012, 11, 710-716.	13.3	430
94	Adsorption of Dipyrrin-Based Dye Complexes on a Rutile TiO ₂ (110) Surface. Journal of Physical Chemistry C, 2012, 116, 18184-18192.	1.5	19
95	Inhibiting copper(i) iodide aggregate assembly in the solid state via macrocyclic encapsulation. Dalton Transactions, 2011, 40, 12257.	1.6	6
96	A mixed valence manganese triangle in a trigonal lattice: structure and magnetism. Dalton Transactions, 2011, 40, 5891.	1.6	10
97	A mesoporous metal-organic framework constructed from a nanosized C ₃ -symmetric linker and [Cu ₂ (isophthalate) ₂] cuboctahedra. Chemical Communications, 2011, 47, 9995.	2.2	130
98	Dimerization of Tri(4-bromophenyl)benzene by Aryl-Aryl Coupling from Solution on a Gold Surface. Journal of the American Chemical Society, 2011, 133, 4220-4223.	6.6	63
99	Increasing nuclearity of secondary building units in porous cobalt(ii) metal-organic frameworks: Variation in structure and H ₂ adsorption. Dalton Transactions, 2011, 40, 12342.	1.6	26
100	2D Crystal Engineering. CrystEngComm, 2011, 13, 5531.	1.3	1
101	Single molecule magnets on a gold surface: <i>in situ</i> electro spray deposition, x-ray absorption and photoemission. Nanotechnology, 2011, 22, 075704.	1.3	24
102	Highly porous and robust scandium-based metal-organic frameworks for hydrogen storage. Chemical Communications, 2011, 47, 8304.	2.2	156
103	Two-dimensional supramolecular chemistry on surfaces. Chemical Science, 2011, 2, 1440.	3.7	108
104	Electrodeposition of Palladium onto a Pyridine-Terminated Self-Assembled Monolayer. Langmuir, 2011, 27, 2567-2574.	1.6	46
105	Pore with Gate: Enhancement of the Isosteric Heat of Adsorption of Dihydrogen via Postsynthetic Cation Exchange in Metal-Organic Frameworks. Inorganic Chemistry, 2011, 50, 9374-9384.	1.9	84
106	High capacity gas storage by a 4,8-connected metal-organic polyhedral framework. Chemical Communications, 2011, 47, 4487.	2.2	220
107	Pore with gate: modulating hydrogen storage in metal-organic framework materials via cation exchange. Faraday Discussions, 2011, 151, 19.	1.6	48
108	Guest-induced growth of a surface-based supramolecular bilayer. Nature Chemistry, 2011, 3, 74-78.	6.6	142

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109	The future of metal-organic frameworks. Dalton Transactions, 2011, 40, 10311.	1.6	94
110	A Piggyback Ride for Transition Metals: Encapsulation of Exohedral Metallofullerenes in Carbon Nanotubes. Chemistry - A European Journal, 2011, 17, 668-674.	1.7	34
111	Multi-Electron-Acceptor Dyad and Triad Systems Based on Perylene Bisimides and Fullerenes. Chemistry - A European Journal, 2011, 17, 3759-3767.	1.7	36
112	Modifying Cage Structures in Metal-Organic Polyhedral Frameworks for H ₂ Storage. Chemistry - A European Journal, 2011, 17, 11162-11170.	1.7	73
113	A Perylene Diimide Rotaxane: Synthesis, Structure and Electrochemically Driven De-Threading. Chemistry - A European Journal, 2011, 17, 14746-14751.	1.7	28
114	A single centre water splitting dye complex adsorbed on rutile TiO ₂ (110): Photoemission, x-ray absorption, and optical spectroscopy. Journal of Chemical Physics, 2011, 135, 114703.	1.2	11
115	Recent advances in crystal engineering. CrystEngComm, 2010, 12, 22-43.	1.3	692
116	An assessment of beclomethasone dipropionate clathrate formation in a model suspension metered dose inhaler. International Journal of Pharmaceutics, 2010, 391, 98-106.	2.6	10
117	Structures and H ₂ Adsorption Properties of Porous Scandium Metal-Organic Frameworks. Chemistry - A European Journal, 2010, 16, 13671-13679.	1.7	77
118	Supramolecular Assemblies Formed on an Epitaxial Graphene Superstructure. Angewandte Chemie - International Edition, 2010, 49, 1794-1799.	7.2	108
119	Photoreactivity examined through incorporation in metal-organic frameworks. Nature Chemistry, 2010, 2, 688-694.	6.6	137
120	Templating molecular adsorption using a covalent organic framework. Chemical Communications, 2010, 46, 7157.	2.2	183
121	Solubilized Derivatives of Perylenetetracarboxylic Dianhydride (PTCDA) Adsorbed on Highly Oriented Pyrolytic Graphite. Langmuir, 2010, 26, 3972-3974.	1.6	7
122	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
123	Self-assembled aggregates formed by single-molecule magnets on a gold surface. Nature Communications, 2010, 1, 75.	5.8	105
124	Metal-Organic Polyhedral Frameworks: High H ₂ Adsorption Capacities and Neutron Powder Diffraction Studies. Journal of the American Chemical Society, 2010, 132, 4092-4094.	6.6	281
125	Tailoring pores for guest entrapment in a unimolecular surface self-assembled hydrogen bonded network. Chemical Communications, 2010, 46, 2775.	2.2	39
126	Endohedral metallofullerenes in self-assembled monolayers. Physical Chemistry Chemical Physics, 2010, 12, 123-131.	1.3	20

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127	New talent in CrystEngComm. CrystEngComm, 2010, 12, 2287.	1.3	0
128	Crystal engineering GRC: crystal engineering in the mountains. CrystEngComm, 2010, 12, 2644.	1.3	0
129	Enhancement of H ₂ Adsorption in Coordination Framework Materials by Use of Ligand Curvature. Chemistry - A European Journal, 2009, 15, 4829-4835.	1.7	112
130	Dynamic Equilibria in Solvent-Mediated Anion, Cation and Ligand Exchange in Transition-Metal Coordination Polymers: Solid-State Transfer or Recrystallisation?. Chemistry - A European Journal, 2009, 15, 8861-8873.	1.7	118
131	Coordination Polymers: From Metal-Organic Frameworks to Spheres. Angewandte Chemie - International Edition, 2009, 48, 2274-2275.	7.2	33
132	Cation-induced kinetic trapping and enhanced hydrogen adsorption in a modulated anionic metal-organic framework. Nature Chemistry, 2009, 1, 487-493.	6.6	375
133	The tip of what can be seen. Nature Chemistry, 2009, 1, 597-598.	6.6	3
134	Exceptionally high H ₂ storage by a metal-organic polyhedral framework. Chemical Communications, 2009, , 1025.	2.2	316
135	In situ synthesis of 5-substituted-tetrazoles and metallosupramolecular co-ordination polymers. CrystEngComm, 2009, 11, 67-81.	1.3	39
136	Entrapment of Decanethiol in a Hydrogen-Bonded Bimolecular Template. Langmuir, 2009, 25, 2278-2281.	1.6	16
137	Building Multistate Redox-Active Architectures Using Metal-Complex Functionalized Perylene Bis-imides. Inorganic Chemistry, 2009, 48, 10264-10274.	1.9	39
138	High Capacity Hydrogen Adsorption in Cu(II) Tetracarboxylate Framework Materials: The Role of Pore Size, Ligand Functionalization, and Exposed Metal Sites. Journal of the American Chemical Society, 2009, 131, 2159-2171.	6.6	723
139	Molecular imaging of polyimide formation. Physical Chemistry Chemical Physics, 2009, 11, 1209.	1.3	55
140	Hydrogen, Methane and Carbon Dioxide Adsorption in Metal-Organic Framework Materials. Topics in Current Chemistry, 2009, 293, 35-76.	4.0	110
141	A year of celebration. CrystEngComm, 2009, 11, 17-18.	1.3	0
142	Second-sphere hydrogen-bonding in heteroditopic mercaptopyrindinium copper(I) frameworks. CrystEngComm, 2009, 11, 763.	1.3	10
143	Self-Assembly of a Pyridine-Terminated Thiol Monolayer on Au(111). Langmuir, 2009, 25, 959-967.	1.6	73
144	Self-Assembly of Metal-Organic Coordination Polymers Constructed from a Bent Dicarboxylate Ligand: Diversity of Coordination Modes, Structures, and Gas Adsorption. Inorganic Chemistry, 2009, 48, 11067-11078.	1.9	84

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145	Supramolecular Chemistry of 4,4'-Bipyridine-N,N'-dioxide in Transition Metal Complexes: A Rich Diversity of Co-ordinate, Hydrogen-Bond and Aromatic Stacking Interactions. <i>Structure and Bonding</i> , 2009, , 135-161.	1.0	1
146	Polyarene-Functionalized Fullerenes in Carbon Nanotubes: Towards Controlled Geometry of Molecular Chains. <i>Small</i> , 2008, 4, 2262-2270.	5.2	21
147	Functionalized Supramolecular Nanoporous Arrays for Surface Templating. <i>Chemistry - A European Journal</i> , 2008, 14, 7600-7607.	1.7	58
148	SAMs are better by design. <i>Nature Nanotechnology</i> , 2008, 3, 324-325.	15.6	7
149	Hydrogen-bonding tectons for the construction of bimolecular framework materials. <i>CrystEngComm</i> , 2008, 10, 1782.	1.3	22
150	Role of Interaction Anisotropy in the Formation and Stability of Molecular Templates. <i>Physical Review Letters</i> , 2008, 100, 156101.	2.9	66
151	Bis-morpholine-Substituted Perylene Bisimides: Impact of Isomeric Arrangement on Electrochemical and Spectroelectrochemical Properties. <i>Journal of Organic Chemistry</i> , 2008, 73, 8808-8814.	1.7	32
152	Structural Diversity in Metal-Organic Frameworks Derived from Binuclear Alkoxo-Bridged Copper(II) Nodes and Pyridyl Linkers. <i>Crystal Growth and Design</i> , 2008, 8, 964-975.	1.4	41
153	Enhancement of H ₂ adsorption in Li-exchanged co-ordination framework materials. <i>Chemical Communications</i> , 2008, , 6108.	2.2	164
154	Directing two-dimensional molecular crystallization using guest templates. <i>Chemical Communications</i> , 2008, , 2304.	2.2	129
155	A biporous coordination framework with high H ₂ storage density. <i>Chemical Communications</i> , 2008, , 359-361.	2.2	84
156	Multi-Dimensional Transition-Metal Coordination Polymers of 4,4'-Bipyridine-N,N'-dioxide: 1D Chains and 2D Sheets. <i>Inorganic Chemistry</i> , 2008, 47, 8652-8664.	1.9	84
157	Electrospray Deposition of C ₆₀ on a Hydrogen-Bonded Supramolecular Network. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7706-7709.	1.5	48
158	Metal-organic framework materials for hydrogen storage. , 2008, , 288-312.		6
159	Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. <i>Science</i> , 2008, 322, 1077-1081.	6.0	224
160	Coadsorbed NTCDI-melamine mixed phases on Ag-Si(111). <i>Physical Review B</i> , 2007, 76, .	1.1	22
161	Toward Controlled Spacing in One-Dimensional Molecular Chains: Alkyl-Chain-Functionalized Fullerenes in Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 8609-8614.	6.6	51
162	Hydrogen storage in metal-organic frameworks. <i>CrystEngComm</i> , 2007, 9, 438-448.	1.3	271

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163	Twelve-connected porous metal-organic frameworks with high H ₂ adsorption. <i>Chemical Communications</i> , 2007, , 840-842.	2.2	219
164	Honeycomb Networks and Chiral Superstructures Formed by Cyanuric Acid and Melamine on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 886-893.	1.5	79
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