

Neil R. Champness

List of Publications by Year in descending order

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267
papers

24,160
citations

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268
all docs

268
docs citations

268
times ranked

16208
citing authors

#	ARTICLE	IF	CITATIONS
1	Inorganic crystal engineering using self-assembly of tailored building-blocks. <i>Coordination Chemistry Reviews</i> , 1999, 183, 117-138.	9.5	1,675
2	Supramolecular design of one-dimensional coordination polymers based on silver(I) complexes of aromatic nitrogen-donor ligands. <i>Coordination Chemistry Reviews</i> , 2001, 222, 155-192.	9.5	1,129
3	Controlling molecular deposition and layer structure with supramolecular surface assemblies. <i>Nature</i> , 2003, 424, 1029-1031.	13.7	1,076
4	Terminology of metal-organic frameworks and coordination polymers (IUPAC Recommendations) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	8.9	984
5	High Capacity Hydrogen Adsorption in Cu(II) Tetracarboxylate Framework Materials: The Role of Pore Size, Ligand Functionalization, and Exposed Metal Sites. <i>Journal of the American Chemical Society</i> , 2009, 131, 2159-2171.	6.6	723
6	High H ₂ Adsorption by Coordination-Framework Materials. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7358-7364.	7.2	692
7	Recent advances in crystal engineering. <i>CrystEngComm</i> , 2010, 12, 22-43.	1.3	692
8	New Approaches to the Analysis of High Connectivity Materials: Design Frameworks Based upon 44- and 63-Subnet Tectons. <i>Accounts of Chemical Research</i> , 2005, 38, 335-348.	7.6	529
9	Anion Control in Bipyridylsilver(I) Networks: A Helical Polymeric Array. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2327-2329.	4.4	473
10	Coordination polymers, metal-organic frameworks and the need for terminology guidelines. <i>CrystEngComm</i> , 2012, 14, 3001.	1.3	464
11	Structural diversity of building-blocks in coordination framework synthesis combining M(NO ₃) ₂ junctions and bipyridyl ligands. <i>Coordination Chemistry Reviews</i> , 2003, 246, 145-168.	9.5	463
12	OLEX: new software for visualization and analysis of extended crystal structures. <i>Journal of Applied Crystallography</i> , 2003, 36, 1283-1284.	1.9	447
13	A partially interpenetrated metal-organic framework for selective hysteretic sorption of carbon dioxide. <i>Nature Materials</i> , 2012, 11, 710-716.	13.3	430
14	New trends in crystal engineering. <i>CrystEngComm</i> , 2005, 7, 1.	1.3	412
15	Cation-induced kinetic trapping and enhanced hydrogen adsorption in a modulated anionic metal-organic framework. <i>Nature Chemistry</i> , 2009, 1, 487-493.	6.6	375
16	Exceptional Thermal Stability in a Supramolecular Organic Framework: Porosity and Gas Storage. <i>Journal of the American Chemical Society</i> , 2010, 132, 14457-14469.	6.6	369
17	Solvent Control in the Synthesis of 3,6-Bis(pyridin-3-yl)-1,2,4,5-tetrazine-Bridged Cadmium(II) and Zinc(II) Coordination Polymers. <i>Inorganic Chemistry</i> , 1999, 38, 2259-2266.	1.9	329
18	Exceptionally high H ₂ storage by a metal-organic polyhedral framework. <i>Chemical Communications</i> , 2009, , 1025.	2.2	316

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19	A Porous Framework Polymer Based on a Zinc(II) 4,4'-Bipyridine-2,6,2'',6''-tetracarboxylate: Synthesis, Structure, and Zeolite-Like Behaviors. <i>Journal of the American Chemical Society</i> , 2006, 128, 10745-10753.	6.6	296
20	Metal-Organic Polyhedral Frameworks: High H ₂ Adsorption Capacities and Neutron Powder Diffraction Studies. <i>Journal of the American Chemical Society</i> , 2010, 132, 4092-4094.	6.6	281
21	Hydrogen storage in metal-organic frameworks. <i>CrystEngComm</i> , 2007, 9, 438-448.	1.3	271
22	Lanthanum Coordination Networks Based on Unusual Five-Connected Topologies. <i>Journal of the American Chemical Society</i> , 2001, 123, 3401-3402.	6.6	230
23	Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. <i>Science</i> , 2008, 322, 1077-1081.	6.0	224
24	High capacity gas storage by a 4,8-connected metal-organic polyhedral framework. <i>Chemical Communications</i> , 2011, 47, 4487.	2.2	220
25	Twelve-connected porous metal-organic frameworks with high H ₂ adsorption. <i>Chemical Communications</i> , 2007, , 840-842.	2.2	219
26	Frontiers of supramolecular chemistry at solid surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 2520-2542.	18.7	196
27	Multi-modal bridging ligands; effects of ligand functionality, anion and crystallisation solvent in silver(I) co-ordination polymers. <i>Dalton Transactions RSC</i> , 2000, , 3811-3819.	2.3	184
28	Templating molecular adsorption using a covalent organic framework. <i>Chemical Communications</i> , 2010, 46, 7157.	2.2	183
29	Non-Natural Eight-Connected Solid-State Materials: A New Coordination Chemistry. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1851-1854.	7.2	176
30	Coordination frameworks—where next?. <i>Dalton Transactions</i> , 2006, , 877-880.	1.6	167
31	Enhancement of H ₂ adsorption in Li ⁺ -exchanged co-ordination framework materials. <i>Chemical Communications</i> , 2008, , 6108.	2.2	164
32	Assembly and Processing of Hydrogen Bond Induced Supramolecular Nanostructures. <i>Nano Letters</i> , 2003, 3, 9-12.	4.5	162
33	Surface-Based Supramolecular Chemistry Using Hydrogen Bonds. <i>Accounts of Chemical Research</i> , 2014, 47, 3417-3427.	7.6	161
34	Anion Control over Interpenetration and Framework Topology in Coordination Networks Based on Homoleptic Six-Connected Scandium Nodes. <i>Chemistry - A European Journal</i> , 2005, 11, 1384-1391.	1.7	157
35	Highly porous and robust scandium-based metal-organic frameworks for hydrogen storage. <i>Chemical Communications</i> , 2011, 47, 8304.	2.2	156
36	Guest-induced growth of a surface-based supramolecular bilayer. <i>Nature Chemistry</i> , 2011, 3, 74-78.	6.6	142

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37	Photoreactivity examined through incorporation in metal-organic frameworks. <i>Nature Chemistry</i> , 2010, 2, 688-694.	6.6	137
38	Bimolecular Networks and Supramolecular Traps on Au(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 12539-12542.	1.2	136
39	Coordination chemistry of stibine and bismuthine ligands. <i>Coordination Chemistry Reviews</i> , 1994, 133, 115-217.	9.5	133
40	Mapping the force field of a hydrogen-bonded assembly. <i>Nature Communications</i> , 2014, 5, 3931.	5.8	133
41	Structural isomerism in CuSCN coordination polymers. <i>Chemical Communications</i> , 2002, , 1640-1641.	2.2	130
42	A mesoporous metal-organic framework constructed from a nanosized C ₃ -symmetric linker and [Cu ₂₄ (isophthalate) ₂₄] cuboctahedra. <i>Chemical Communications</i> , 2011, 47, 9995.	2.2	130
43	Constructing Terbium Co-ordination Polymers of 4,4'-Bipyridine-N,N'-dioxide by Means of Diffusion Solvent Mixtures. <i>Chemistry - A European Journal</i> , 2002, 8, 2026-2033.	1.7	129
44	Directing two-dimensional molecular crystallization using guest templates. <i>Chemical Communications</i> , 2008, , 2304.	2.2	129
45	Emerging applications of metal-organic frameworks. <i>CrystEngComm</i> , 2016, 18, 6532-6542.	1.3	125
46	Long-range chain orientation in 1-D co-ordination polymers as a function of anions and intermolecular aromatic interactions. <i>Dalton Transactions RSC</i> , 2000, , 4285-4291.	2.3	123
47	Anion exchange in co-ordination polymers: a solid-state or a solvent-mediated process?. <i>CrystEngComm</i> , 2002, 4, 426-431.	1.3	119
48	Dynamic Equilibria in Solvent-Mediated Anion, Cation and Ligand Exchange in Transition-Metal Coordination Polymers: Solid-State Transfer or Recrystallisation?. <i>Chemistry - A European Journal</i> , 2009, 15, 8861-8873.	1.7	118
49	Selective CO ₂ uptake and inverse CO ₂ /C ₂ H ₂ selectivity in a dynamic bifunctional metal-organic framework. <i>Chemical Science</i> , 2012, 3, 2993.	3.7	117
50	Triggered Ligand Release Coupled to Framework Rearrangement: Generating Crystalline Porous Coordination Materials. <i>Inorganic Chemistry</i> , 2006, 45, 8838-8840.	1.9	116
51	Lanthanide co-ordination frameworks: Opportunities and diversity. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2414-2419.	1.4	115
52	Surface self-assembly of the cyanuric acid-melamine hydrogen bonded network. <i>Chemical Communications</i> , 2006, , 538-540.	2.2	114
53	Enhancement of H ₂ Adsorption in Coordination Framework Materials by Use of Ligand Curvature. <i>Chemistry - A European Journal</i> , 2009, 15, 4829-4835.	1.7	112
54	Hydrogen, Methane and Carbon Dioxide Adsorption in Metal-Organic Framework Materials. <i>Topics in Current Chemistry</i> , 2009, 293, 35-76.	4.0	110

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55	Supramolecular Assemblies Formed on an Epitaxial Graphene Superstructure. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1794-1799.	7.2	108
56	Two-dimensional supramolecular chemistry on surfaces. <i>Chemical Science</i> , 2011, 2, 1440.	3.7	108
57	Stereoselective Association of Binuclear Metallacycles in Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2003, 125, 6753-6761.	6.6	106
58	Self-assembled aggregates formed by single-molecule magnets on a gold surface. <i>Nature Communications</i> , 2010, 1, 75.	5.8	105
59	Assembly of a Three-Dimensional Polyknotted Coordination Polymer. <i>Journal of the American Chemical Society</i> , 2000, 122, 4044-4046.	6.6	102
60	Square, Hexagonal, and Row Phases of PTCDA and PTCDI on Ag ⁺ /Si(111) $\sqrt{3}\times\sqrt{3}$ R30 $^\circ$. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12167-12174.	1.2	98
61	Copper(I) halide supramolecular networks linked by N-heterocyclic donor bridging ligands. <i>Pure and Applied Chemistry</i> , 1998, 70, 2351-2357.	0.9	97
62	Parallel interpenetration in novel herringbone sheets formed by Co(II) and Cd(II) complexes with trans-4,4'-azobis(pyridine). <i>New Journal of Chemistry</i> , 1999, 23, 573-575.	1.4	97
63	The future of metal-organic frameworks. <i>Dalton Transactions</i> , 2011, 40, 10311.	1.6	94
64	Water Superstructures within Organic Arrays; Hydrogen-Bonded Water Sheets, Chains and Clusters. <i>Chemistry - A European Journal</i> , 2005, 11, 4643-4654.	1.7	93
65	Using multimodal ligands to influence network topology in silver(I) coordination polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4905-4910.	3.3	87
66	A biporous coordination framework with high H ₂ storage density. <i>Chemical Communications</i> , 2008, , 359-361.	2.2	84
67	Multi-Dimensional Transition-Metal Coordination Polymers of 4,4'-Bipyridine- <i>N,N'</i> -dioxide: 1D Chains and 2D Sheets. <i>Inorganic Chemistry</i> , 2008, 47, 8652-8664.	1.9	84
68	Self-Assembly of Metal-Organic Coordination Polymers Constructed from a Bent Dicarboxylate Ligand: Diversity of Coordination Modes, Structures, and Gas Adsorption. <i>Inorganic Chemistry</i> , 2009, 48, 11067-11078.	1.9	84
69	Pore with Gate: Enhancement of the Isosteric Heat of Adsorption of Dihydrogen via Postsynthetic Cation Exchange in Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2011, 50, 9374-9384.	1.9	84
70	A periodic table of metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2020, 414, 213295.	9.5	84
71	Discrete molecular and extended polymeric copper(I) halide complexes of tetradentate thioether macrocycles. <i>Dalton Transactions RSC</i> , 2001, , 456-465.	2.3	83
72	Control of Copper(I) Iodide Architectures by Ligand Design: Δ Angular versus Linear Bridging Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 6179-6187.	1.9	82

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73	Self-Assembly of Ribbons and Frameworks Containing Large Channels Based upon Methylene-Bridged Dithio-, Diseleno-, and Ditelluroethers. <i>Inorganic Chemistry</i> , 1996, 35, 4432-4438.	1.9	80
74	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
75	Structures and H ₂ Adsorption Properties of Porous Scandium Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2010, 16, 13671-13679.	1.7	77
76	Unprecedented bilayer topologies in 5- and 6-connected framework polymers. <i>Chemical Communications</i> , 2004, , 1792-1793.	2.2	76
77	X-ray Crystallography in Open Framework Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12860-12867.	7.2	75
78	2021 roadmap on lithium sulfur batteries. <i>JPhys Energy</i> , 2021, 3, 031501.	2.3	74
79	Self-Assembly of a Pyridine-Terminated Thiol Monolayer on Au(111). <i>Langmuir</i> , 2009, 25, 959-967.	1.6	73
80	Modifying Cage Structures in Metal-Organic Polyhedral Frameworks for H ₂ Storage. <i>Chemistry - A European Journal</i> , 2011, 17, 11162-11170.	1.7	73
81	Supramolecular networks stabilise and functionalise black phosphorus. <i>Nature Communications</i> , 2017, 8, 1385.	5.8	72
82	Metal-organic frameworks in seconds via selective microwave heating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7333-7338.	5.2	71
83	Selenoether Macrocyclic Chemistry: Syntheses, NMR Studies, Redox Properties, and Single-Crystal Structures of [M([16]aneSe ₄)](PF ₆) ₂ ·2MeCN (M = Pd, Pt; [16]aneSe ₄)	10.784314	50337
84	Growth Induced Reordering of Fullerene Clusters Trapped in a Two-Dimensional Supramolecular Network. <i>Langmuir</i> , 2005, 21, 2038-2041.	1.6	69
85	Engineering of co-ordination polymers of trans-4,4'-azobis(pyridine) and trans-1,2-bis(pyridin-4-yl)ethene: a range of interpenetrated network motifs. <i>Dalton Transactions RSC</i> , 2000, , 3261-3268.	2.3	68
86	Hierarchical Organisation on a Two-Dimensional Supramolecular Network. <i>ChemPhysChem</i> , 2007, 8, 2177-2181.	1.0	66
87	Role of Interaction Anisotropy in the Formation and Stability of Molecular Templates. <i>Physical Review Letters</i> , 2008, 100, 156101.	2.9	66
88	Extended networks formed by coordination polymers in the solid state. <i>Current Opinion in Solid State and Materials Science</i> , 1998, 3, 419-424.	5.6	65
89	Metal-Organic Frameworks and Metal-Organic Cages - A Perspective. <i>ChemPlusChem</i> , 2020, 85, 1842-1856.	1.3	65
90	Chemistry of mixed nitrogen- and sulfur-donor tridentate macrocycles. <i>Coordination Chemistry Reviews</i> , 1998, 174, 417-468.	9.5	63

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91	Dimerization of Tri(4-bromophenyl)benzene by Aryl-Aryl Coupling from Solution on a Gold Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 4220-4223.	6.6	63
92	Homoleptic silver(I) complexes with dithio-, diseleno- and ditelluro-ethers: synthesis, structures and multinuclear nuclear magnetic resonance studies. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 3439.	1.1	62
93	High-Nuclearity Metal-Organic Nanospheres: A Cd ₆₆ Ball. <i>Journal of the American Chemical Society</i> , 2012, 134, 55-58.	6.6	61
94	Broken symmetry and the variation of critical properties in the phase behaviour of supramolecular rhombus tilings. <i>Nature Chemistry</i> , 2012, 4, 112-117.	6.6	60
95	Synthesis and structural characterisation of cadmium(II) and zinc(II) coordination polymers with an angular dipyriddy bridging ligand: parallel interpenetration of two-dimensional sheets with 4.82 topology. <i>Dalton Transactions RSC</i> , 2001, , 567-573.	2.3	59
96	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
97	Isolating reactive metal-based species in Metal-Organic Frameworks - viable strategies and opportunities. <i>Chemical Science</i> , 2020, 11, 4031-4050.	3.7	59
98	Homoleptic Copper(I) and Silver(I) Complexes with o-Phenylene-Backboned Bis(thioethers), Bis(selenoethers), and Bis(telluroethers): Synthesis, Multinuclear NMR Studies, and Crystal Structures of [Cu{o-C6H4(SeMe)2}2]PF6, [Cu{o-C6H4(TeMe)2}2]PF6, and [Agn{1/4-o-C6H4(SeMe)2}n{o-C6H4(SeMe)2}n][BF4]n·nCH2Cl2. <i>Inorganic Chemistry</i> , 1996, 35, 1820-1824.	1.9	58
99	Sawhorse connections in a Ag(I)-nitrite coordination network: {[Ag(pyrazine)]NO2}·z. <i>New Journal of Chemistry</i> , 1999, 23, 13-15.	1.4	58
100	Functionalized Supramolecular Nanoporous Arrays for Surface Templating. <i>Chemistry - A European Journal</i> , 2008, 14, 7600-7607.	1.7	58
101	Hydrogen-Bonded PTCDA-Melamine Networks and Mixed Phases. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6110-6114.	1.2	56
102	Molecular imaging of polyimide formation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1209.	1.3	55
103	An improved preparation of 4-ethynylpyridine and its application to the synthesis of linear bipyridyl ligands. <i>Tetrahedron Letters</i> , 1999, 40, 5413-5416.	0.7	54
104	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
105	Unique structural features in silver(I) dithioether complexes: the single-crystal structures of [Agn(PhSCH2CH2CH2SPh)2n](BF4)n·0.5nH2O and [Agn(MeSCH2CH2CH2SMe)n](BF4)n. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1277-1278.	2.0	50
106	Silver(I) Coordination Polymers Using Thioether Macrocyclic Building Blocks. <i>Inorganic Chemistry</i> , 2000, 39, 1035-1038.	1.9	50
107	A novel synthetic strategy for hexanuclear supramolecular architectures. Electronic supplementary information (ESI) available: synthesis and single crystal X-ray diffraction. See http://www.rsc.org/suppdata/cc/b3/b300605k/ . <i>Chemical Communications</i> , 2003, , 682-683.	2.2	50
108	Electrospray Deposition of C60 on a Hydrogen-Bonded Supramolecular Network. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7706-7709.	1.5	48

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109	Pore with gate: modulating hydrogen storage in metal-organic framework materials via cation exchange. <i>Faraday Discussions</i> , 2011, 151, 19.	1.6	48
110	Experimental and theoretical identification of adenine monolayers on Ag-terminated Si(111). <i>Physical Review B</i> , 2006, 73, .	1.1	46
111	Electrodeposition of Palladium onto a Pyridine-Terminated Self-Assembled Monolayer. <i>Langmuir</i> , 2011, 27, 2567-2574.	1.6	46
112	Effects of pore modification on the templating of guest molecules in a 2D honeycomb network. <i>Chemical Science</i> , 2012, 3, 84-92.	3.7	46
113	A coordination polymer supramolecular isomer formed from a single building block: an unexpected porphyrin ribbon constructed from zinc(tetra(4-pyridyl)porphyrin). <i>CrystEngComm</i> , 2005, 7, 621.	1.3	44
114	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
115	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
116	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
117	The role of 1,2,4,5-tetrazine rings in π - π stacking interactions. <i>CrystEngComm</i> , 2003, 5, 82-86.	1.3	40
118	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
119	Using microscopic techniques to reveal the mechanism of anion exchange in crystalline co-ordination polymers. <i>Journal of Microscopy</i> , 2004, 214, 261-271.	0.8	39
120	In situ synthesis of 5-substituted-tetrazoles and metallosupramolecular co-ordination polymers. <i>CrystEngComm</i> , 2009, 11, 67-81.	1.3	39
121	Building Multistate Redox-Active Architectures Using Metal-Complex Functionalized Perylene Bis-imides. <i>Inorganic Chemistry</i> , 2009, 48, 10264-10274.	1.9	39
122	Tailoring pores for guest entrapment in a unimolecular surface self-assembled hydrogen bonded network. <i>Chemical Communications</i> , 2010, 46, 2775.	2.2	39
123	Thymine functionalised porphyrins, synthesis and heteromolecular surface-based self-assembly. <i>Chemical Science</i> , 2015, 6, 1562-1569.	3.7	39
124	Helical templating of polyiodide networks at a binuclear metallo complex Electronic supplementary information (ESI) available: synthetic details, crystal data (CCDC 198624 and 198625 in CIF format) and views of the C-H \cdots I and H \cdots I interactions between I ₆ ²⁻ and I ₃ ⁻ and the cationic component in 2. See http://www.rsc.org/suppdata/cc/b2/b211743f/ . <i>Chemical Communications</i> , 2003, , 312-313.	2.2	37
125	Synthesis and characterisation of BODIPY radical anions. <i>Chemical Communications</i> , 2012, 48, 1751.	2.2	37
126	Building with molecules. <i>Nature Nanotechnology</i> , 2007, 2, 671-672.	15.6	36

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127	Multi- π -Electron-Acceptor Dyad and Triad Systems Based on Perylene Bisimides and Fullerenes. <i>Chemistry - A European Journal</i> , 2011, 17, 3759-3767.	1.7	36
128	Mixed phosphathia macrocyclic chemistry: synthesis and characterisation of [M(Ph ₂ [14]ane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707	1.1	35
129	A design strategy for four-connected coordination frameworks. <i>Chemical Communications</i> , 2004, , 642-643.	2.2	35
130	Photophysics and electrochemistry of a platinum-acetylide disubstituted perylenediimide. <i>Dalton Transactions</i> , 2014, 43, 85-94.	1.6	35
131	A Piggyback Ride for Transition Metals: Encapsulation of Exohedral Metallofullerenes in Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2011, 17, 668-674.	1.7	34
132	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
133	Synthesis, spectroscopic and structural characterization of PdII and PtII complexes of the cyclic diselenoether 1,5-diselenacyclooctane, [8]aneSe ₂ . <i>Polyhedron</i> , 1995, 14, 2753-2758.	1.0	33
134	Coordination Polymers: From Metal-Organic Frameworks to Spheres. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2274-2275.	7.2	33
135	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
136	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
137	Crystallized creations in 2D. <i>Nature Chemistry</i> , 2014, 6, 757-759.	6.6	31
138	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
139	Supramolecular interactions in 4,4'-Bipyridine cobalt(II) nitrate networks. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 163-174.	0.4	30
140	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 752-764.	1.3	30
141	Intramolecular bonds resolved on a semiconductor surface. <i>Physical Review B</i> , 2014, 90, .	1.1	29
142	Hard/Soft Interactions in Early Transition Metal Thioether Macrocyclic Chemistry: Synthesis and Single Crystal Structure of cis-[CrCl ₂ ([14]aneS ₄)]PF ₆ ([14]aneS ₄ = 1,4,8,11-tetrathiacyclotetradecane). <i>Inorganic Chemistry</i> , 1995, 34, 396-398.	1.9	28
143	Construction of the first cross-linked double helical polyiodide. <i>Chemical Communications</i> , 2003, , 1488-1489.	2.2	28
144	A Perylene Diimide Rotaxane: Synthesis, Structure and Electrochemically Driven De-threading. <i>Chemistry - A European Journal</i> , 2011, 17, 14746-14751.	1.7	28

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145	Modification of coordination networks through a photoinduced charge transfer process. <i>Chemical Science</i> , 2014, 5, 539-544.	3.7	28
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