

# Brian Moulton

## List of Publications by Year in descending order

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46  
papers

11,729  
citations

168829  
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242451  
47  
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50  
all docs

50  
docs citations

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times ranked

8880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetranuclear [Mn <sub>2</sub> Co <sub>2</sub> ], [Mn <sub>2</sub> Fe <sub>2</sub> ], and [Mn <sub>2</sub> Mn <sub>2</sub> ] Complexes with Defective Double-Cubane Cores and Phenoxo and Oxo Bridges: Syntheses, Crystal Structures, and Electronic Properties. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3527-3535.	1.0	3
2	Crystal Engineering of Isostructural Quaternary Multicomponent Crystal Forms of Olanzapine. <i>Crystal Growth and Design</i> , 2012, 12, 4194-4201.	1.4	60
3	Polymorphs, Salts, and Cocrystals: What's in a Name?. <i>Crystal Growth and Design</i> , 2012, 12, 2147-2152.	1.4	767
4	Two-step postsynthetic modifications of a dinuclear Zn(II) coordination compound: Investigating the stability of the coordination chromophore. <i>Inorganica Chimica Acta</i> , 2012, 388, 135-139.	1.2	10
5	Postsynthetic modification of a coordination compound with a paddlewheel motif via click reaction: DOSY and ESR studies. <i>Inorganic Chemistry Communication</i> , 2012, 15, 78-83.	1.8	15
6	A single-crystalline microporous coordination polymer with mixed parallel and diagonal interpenetrating 1D-Po networks. <i>CrystEngComm</i> , 2011, 13, 4838.	1.3	13
7	Recent advances of discrete coordination complexes and coordination polymers in drug delivery. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1623-1641.	9.5	271
8	Conformational isomerism and hydrogen-bonded motifs of anion assisted supramolecular self-assemblies using Cull/Coll salts and pyridine-4-acetamide. <i>Inorganica Chimica Acta</i> , 2010, 363, 387-394.	1.2	20
9	Modifying Lipophilicities of Zn(II) Coordination Species by Introduction of Ancillary Ligands: A Supramolecular Chemistry Approach. <i>Crystal Growth and Design</i> , 2010, 10, 2376-2381.	1.4	20
10	A Novel Polymorph of 5-Chloro-8-Hydroxyquinoline with Improved Water Solubility and Faster Dissolution Rate. <i>Journal of Chemical Crystallography</i> , 2009, 39, 913-918.	0.5	23
11	Single-Molecule Magnets: A Family of Mn(III)/Ce(IV) Complexes with a [Mn <sub>8</sub> CeO <sub>8</sub> ] <sup>12+</sup> Core. <i>Inorganic Chemistry</i> , 2008, 47, 4832-4843.	1.9	64
12	Supramolecular Medicinal Chemistry: Mixed-Ligand Coordination Complexes. <i>Molecular Pharmaceutics</i> , 2007, 4, 373-385.	2.3	60
13	Mixed-Ligand Coordination Species: A Promising Approach for Second-Generation Drug Development. <i>Crystal Growth and Design</i> , 2007, 7, 196-198.	1.4	54
14	Coordination polymer gels: synthesis, structure and mechanical properties of amorphous coordination polymers. <i>Chemical Communications</i> , 2007, , 2802.	2.2	37
15	Cleistenolide and Cleistodienol: Novel Bioactive Constituents of <i>Cleistochlamys kirkii</i> . <i>Natural Product Communications</i> , 2007, 2, 1934578X0700200.	0.2	7
16	Supramolecular associates of para-aminobenzoic acid with N- and N,O-heterocyclic molecules. <i>New Journal of Chemistry</i> , 2007, 31, 561.	1.4	10
17	Reaction of 1,2-bis(2,6-dicarboxypyridin-4-yl)ethyne and imidazole with Cu(II) generates a discrete complex not a coordination polymer: crystal structure of [1/4-4,4'-bis(1,2-ethynediyl)-bis(pyridine-2,6-dicarboxylato)-N, O, O'-bis(1/4-Na-2,6-dicarboxylato)-2,6-dicarboxylato]-diaqua-bis(imidazole)-dicopper(II) complex. <i>Journal of Chemical Crystallography</i> , 2007, 37, 299-308.	0.5	2
18	Tri-metal Secondary Building Units: Toward the Design of Thermally Robust Crystalline Coordination Polymers. <i>Journal of Chemical Crystallography</i> , 2007, 37, 743-747.	0.5	19

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19	Generation of Linear Coordination Polymers of catena-[Diaqua- $(\frac{1}{4}$ -pyrazine-2,6-dicarboxylato-N,O, $\frac{1}{4}$ -N $\bar{c}$ )copper(II) via in Situ Hydro(solvo)thermal Decarboxylation of Pyrazine-2,3,5,6-tetracarboxylic Acid. <i>Crystal Growth and Design</i> , 2006, 6, 829-832.	1.4	48
20	Bis(imidazolium 2,4,6-tricarboxypyridine) Metal(II) Complexes: Molecular Building Blocks that Generate Isomorphous Hydrogen-Bonded Frameworks. <i>Crystal Growth and Design</i> , 2006, 6, 63-69.	1.4	34
21	Reaction of 1,2-bis(2,6-dicarboxypyridin-4-yl)ethyne with Co(II) generates coordination monomers not polymers: Crystal structure of 4-(2,6-dicarboxypyridin-4-yl)ethynylpyridine-2,6-dicarboxylatotriaqua cobalt(II) monohydrate. <i>Journal of Chemical Crystallography</i> , 2006, 36, 371-379.	0.5	2
22	DFT Computational Rationalization of an Unusual Spin Ground State in an Mn <sub>12</sub> Single-Molecule Magnet with a Low-Symmetry Loop Structure. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 897-901.	7.2	156
23	Coordination Polymers: Toward Functional Transition Metal Sustained Materials and Supermolecules. <i>ChemInform</i> , 2003, 34, no.	0.1	0
24	Template Synthesis and Single-Molecule Magnetism Properties of a Complex with Spin S = 16 and a [Mn <sub>8</sub> O <sub>8</sub> ] <sup>8+</sup> Saddle-Like Core. <i>Journal of the American Chemical Society</i> , 2003, 125, 15274-15275.	6.6	100
25	Coordination Polymers from Calixarene-Like [Cu <sub>2</sub> (Dicarboxylate) <sub>2</sub> ] <sub>4</sub> Building Blocks: Structural Diversity via Atropisomerism. <i>Crystal Growth and Design</i> , 2003, 3, 513-519.	1.4	108
26	Crystal Engineering of the Composition of Pharmaceutical Phases: Multiple-Component Crystalline Solids Involving Carbamazepine. <i>Crystal Growth and Design</i> , 2003, 3, 909-919.	1.4	493
27	Crystal Engineering of Novel Cocrystals of a Triazole Drug with 1,4-Dicarboxylic Acids. <i>Journal of the American Chemical Society</i> , 2003, 125, 8456-8457.	6.6	619
28	A new 65.8 topology and a distorted 65.8 CdSO <sub>4</sub> topology: two new supramolecular isomers of [M <sub>2</sub> (bdc) <sub>2</sub> (L) <sub>2</sub> ] <sub>n</sub> coordination polymers Electronic supplementary information (ESI) available: schematic illustrations of some common 4-connected 3D networks. See <a href="http://www.rsc.org/suppdata/cc/b3/b301221b/">http://www.rsc.org/suppdata/cc/b3/b301221b/</a> . <i>Chemical Communications</i> , 2003, , 1342.	2.2	145
29	Design, synthesis and structural diversity in coordination polymers. <i>Macromolecular Symposia</i> , 2003, 196, 213-227.	0.4	22
30	Supramolecular Isomerism in Coordination Compounds: Nanoscale Molecular Hexagons and Chains. <i>Journal of the American Chemical Society</i> , 2002, 124, 9990-9991.	6.6	316
31	A new supramolecular isomer of [Zn(nicotinate) <sub>2</sub> ] <sub>n</sub> : a novel 42.84 network that is the result of self-assembly of 4-connected nodes Electronic supplementary information (ESI) available: experimental details, TGA and XRPD of all compounds. See <a href="http://www.rsc.org/suppdata/cc/b1/b111280p/">http://www.rsc.org/suppdata/cc/b1/b111280p/</a> . <i>Chemical Communications</i> , 2002, , 694-695.	2.2	112
32	Exciplex fluorescence of {[Zn(bipy)1.5(NO <sub>3</sub> ) <sub>2</sub> ]} $\cdot$ CH <sub>3</sub> OH $\cdot$ 0.5pyrene <sub>n</sub> : a coordination polymer containing intercalated pyrene molecules (bipy = 4,4'-bipyridine). <i>Chemical Communications</i> , 2002, , 2176-2177.	2.2	102
33	Coordination polymers: toward functional transition metal sustained materials and supermolecules. <i>Current Opinion in Solid State and Materials Science</i> , 2002, 6, 117-123.	5.6	161
34	Crystal Engineering of a Nanoscale Kagomé Lattice. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2821-2824.	7.2	283
35	Coexisting covalent and noncovalent nets: parallel interpenetration of a puckered rectangular coordination polymer and aromatic noncovalent nets. <i>Chemical Communications</i> , 2001, , 861-862.	2.2	21
36	From Molecules to Crystal Engineering: Supramolecular Isomerism and Polymorphism in Network Solids. <i>Chemical Reviews</i> , 2001, 101, 1629-1658.	23.0	6,228

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37	Hydroxylated nanoballs: synthesis, crystal structure, solubility and crystallization on surfaces. <i>Chemical Communications</i> , 2001, , 2380-2381.	2.2	91
38	Periodic Tiling of Pentagons: The First Example of a Two-Dimensional -net. <i>Journal of the American Chemical Society</i> , 2001, 123, 9224-9225.	6.6	124
39	Self-Assembly of Nanometer-Scale Secondary Building Units into an Undulating Two-Dimensional Network with Two Types of Hydrophobic Cavity. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2111-2113.	7.2	350
40	Polygons and Faceted Polyhedra and Nanoporous Networks. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2113-2116.	7.2	188
41	Regio- and Stereocontrol Elements in Rh(II)-Catalyzed Intramolecular C-H Insertion of $\alpha$ -Diazo- $\beta$ -(phenylsulfonyl)acetamides. <i>Organic Letters</i> , 2001, 3, 3539-3542.	2.4	56
42	Nanoballs: nanoscale faceted polyhedra with large windows and cavities. <i>Chemical Communications</i> , 2001, , 863-864.	2.2	210
43	A Neutral "Molecular Railroad" Coordination Polymer That Incorporates Polycyclic Aromatic Molecules: Synthesis and Single-Crystal X-Ray Structure of [Co(4,4'-bipyridine) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ] $\cdot$ 2Phenanthrene. <i>Journal of Solid State Chemistry</i> , 2000, 152, 280-285.	1.4	20
44	Coexisting covalent and non-covalent planar networks in the crystal structures of {[M(bipy) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ] $\cdot$ arene} <sub>n</sub> (M = Ni, 1; Co, 2; arene = chlorobenzene, o-dichlorobenzene, benzene). <i>J. ETQq</i> 0 rgBT	2.1	68
45	Interpenetrating covalent and noncovalent nets in the crystal structures of [M(4,4'-bipyridine) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ] $\cdot$ 3C <sub>10</sub> H <sub>8</sub> (M = Co, Ni). <i>Crystal Engineering</i> , 1999, 2, 37-45.	0.7	20
46	Covalent and noncovalent interpenetrating planar networks in the crystal structure of {[Ni(4,4'-bipyridine) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ] $\cdot$ 2pyrene} <sub>n</sub> . <i>Chemical Communications</i> , 1999, , 1327-1328.	2.2	132