Brian Moulton

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#	Paper	IF	Citations
47	From molecules to crystal engineering: supramolecular isomerism and polymorphism in network solids. <i>Chemical Reviews</i> , 2001 , 101, 1629-58	68.1	5817
46	Polymorphs, Salts, and Cocrystals: What in a Name?. Crystal Growth and Design, 2012, 12, 2147-2152	3.5	595
45	Crystal engineering of novel cocrystals of a triazole drug with 1,4-dicarboxylic acids. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8456-7	16.4	575
44	Crystal Engineering of the Composition of Pharmaceutical Phases: Multiple-Component Crystalline Solids Involving Carbamazepine. <i>Crystal Growth and Design</i> , 2003 , 3, 909-919	3.5	459
43	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	16.4	329
42	Supramolecular isomerism in coordination compounds: nanoscale molecular hexagons and chains. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9990-1	16.4	305
41	Crystal engineering of a nanoscale Kagom[lattice. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2821-4	16.4	261
40	Recent advances of discrete coordination complexes and coordination polymers in drug delivery. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 1623-1641	23.2	239
39	Nanoballs: nanoscale faceted polyhedra with large windows and cavities. <i>Chemical Communications</i> , 2001 , 863-864	5.8	201
38	Polygons and Faceted Polyhedra and Nanoporous Networks. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2113-2116	16.4	174
37	DFT computational rationalization of an unusual spin ground state in an Mn12 single-molecule magnet with a low-symmetry loop structure. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 897-9	of 6.4	153
36	Coordination polymers: toward functional transition metal sustained materials and supermolecules. <i>Current Opinion in Solid State and Materials Science</i> , 2002 , 6, 117-123	12	141
35	A new 6(5).8 topology and a distorted 6(5).8 CdSO4 topology: two new supramolecular isomers of [M2(bdc)2(L)2]n coordination polymers. <i>Chemical Communications</i> , 2003 , 1342-3	5.8	138
34	Covalent and noncovalent interpenetrating planar networks in the crystal structure of {[Ni(4,4?-bipyridine)2(NO3)2[2pyrene}n. Chemical Communications, 1999, 1327-1328	5.8	129
33	Periodic tiling of pentagons: the first example of a two-dimensional (5,(3)(4)-net. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9224-5	16.4	113
32	A new supramolecular isomer of [Zn(nicotinate)2]n: a novel 4(2).8(4) network that is the result of self-assembly of 4-connected nodes. <i>Chemical Communications</i> , 2002 , 694-5	5.8	104
31	Coordination Polymers from Calixarene-Like [Cu2(Dicarboxylate)2]4 Building Blocks: Structural Diversity via Atropisomerism. <i>Crystal Growth and Design</i> , 2003 , 3, 513-519	3.5	103

30	Exciplex fluorescence of ([Zn(bipy)1.5(NO3)2)].CH3OH.0.5pyrene)n: a coordination polymer containing intercalated pyrene molecules (bipy = 4,4'-bipyridine). <i>Chemical Communications</i> , 2002 , 2176-	· 5 ·8	100
29	Template synthesis and single-molecule magnetism properties of a complex with spin S = 16 and a [Mn8O8]8+ saddle-like core. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15274-5	16.4	96
28	Hydroxylated nanoballs: synthesis, crystal structure, solubility and crystallization on surfaces. <i>Chemical Communications</i> , 2001 , 2380-1	5.8	84
27	Single-molecule magnets: a family of MnIII/CeIV complexes with a [Mn8CeO8]12+ core. <i>Inorganic Chemistry</i> , 2008 , 47, 4832-43	5.1	63
26	Supramolecular medicinal chemistry: mixed-ligand coordination complexes. <i>Molecular Pharmaceutics</i> , 2007 , 4, 373-85	5.6	55
25	Coexisting covalent and non-covalent planar networks in the crystal structures of {[M(bipy)2(NO3)2][arene}n (M = Ni, 1; Co, 2; arene = chlorobenzene, o-dichlorobenzene, benzene, nitrobenzene, toluene or anisole). <i>Dalton Transactions RSC</i> , 2000 , 3837-3844		55
24	Regio- and stereocontrol elements in Rh(II)-catalyzed intramolecular C-H insertion of alpha-diazo-alpha-(phenylsulfonyl)acetamides. <i>Organic Letters</i> , 2001 , 3, 3539-42	6.2	53
23	Crystal Engineering of Isostructural Quaternary Multicomponent Crystal Forms of Olanzapine. <i>Crystal Growth and Design</i> , 2012 , 12, 4194-4201	3.5	52
22	Mixed-Ligand Coordination Species: A Promising Approach for Becond-Generation Drug Development. <i>Crystal Growth and Design</i> , 2007 , 7, 196-198	3.5	52
21	Generation of Linear Coordination Polymers of catena-[Diaqua-(Epyrazine-2,6-dicarboxylato-N,O,OENE opper(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	3.5	46
20	DFT Computational Rationalization of an Unusual Spin Ground State in an Mn12 Single-Molecule Magnet with a Low-Symmetry Loop Structure. <i>Angewandte Chemie</i> , 2005 , 117, 919-923	3.6	37
19	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	3.5	34
18	Coordination polymer gels: synthesis, structure and mechanical properties of amorphous coordination polymers. <i>Chemical Communications</i> , 2007 , 2802-4	5.8	33
17	Crystal Engineering of a Nanoscale Kagom[Lattice. <i>Angewandte Chemie</i> , 2002 , 114, 2945-2948	3.6	30
16	Design, synthesis and structural diversity in coordination polymers. <i>Macromolecular Symposia</i> , 2003 , 196, 213-227	0.8	22
15	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	20
14	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, 387-3	347	20
13	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

12	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	3.5	18
11	A Neutral Molecular Railroad Coordination Polymer That Incorporates Polycyclic Aromatic Molecules: Synthesis and Single-Crystal X-Ray Structure of [Co(4,4?bipyridine)2.5(NO3)2] Phenanthrene. <i>Journal of Solid State Chemistry</i> , 2000 , 152, 280-285	3.3	18
10	Coexisting covalent and noncovalent nets: parallel interpenetration of a puckered rectangular coordination polymer and aromatic noncovalent nets. <i>Chemical Communications</i> , 2001 , 861-862	5.8	18
9	Interpenetrating covalent and noncovalent nets in the crystal structures of [M(4,4?-bipyridine)2(NO3)2][BC10H8 (M = Co, Ni). <i>Crystal Engineering</i> , 1999 , 2, 37-45		18
8	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	3.1	14
7	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	2.7	10
6	A single-crystalline microporous coordination polymer with mixed parallel and diagonal interpenetrating Po networks. <i>CrystEngComm</i> , 2011 , 13, 4838	3.3	10
5	Supramolecular associates of para-aminobenzoic acid with N- and N,O-heterocyclic molecules. <i>New Journal of Chemistry</i> , 2007 , 31, 561	3.6	9
4	Cleistenolide and Cleistodienol: Novel Bioactive Constituents of Cleistochlamys kirkii. <i>Natural Product Communications</i> , 2007 , 2, 1934578X0700200	0.9	5
3	Tetranuclear [Mn2Co2], [Mn2Fe2], and [Mn2Mn2] 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	2.3	3
2	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 [E4,4?-(1,2-ethynediyl)-bis(pyridine-2,6-dicarboxylato)-N, O, O?-EN?, O??,	0.5	2
1	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.	0.5	2