

Brian Moulton

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

10,834
citations

30
h-index

50
g-index

50
ext. papers

11,126
ext. citations

7.8
avg. IF

6.29
L-index

#	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's in a Name?. <i>Crystal Growth and Design</i> , 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 Kagomí 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 Mn ₁₂ single-molecule magnet with a low-symmetry loop structure. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 897-901	16.4	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 CdSO ₄ topology: two new supramolecular isomers of [M ₂ (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 (NO ₃) ₂] ₂ pyrene} _n . <i>Chemical Communications</i> , 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 [Cu ₂ (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 $[(Zn(bipy)1.5(NO_3)_2)] \cdot CH_3OH \cdot 0.5pyrene)_n$: a coordination polymer containing intercalated pyrene molecules (bipy = 4,4'-bipyridine). <i>Chemical Communications</i> , 2002 , 2176-7	5.8	100
29	Template synthesis and single-molecule magnetism properties of a complex with spin $S = 16$ and a $[Mn_8O_8]^{8+}$ 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 $[Mn_8CeO_8]^{12+}$ 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 $\{[M(bipy)_2(NO_3)_2][arene]_n$ (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 Second-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,OEN)]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	3.5	46
20	DFT Computational Rationalization of an Unusual Spin Ground State in an Mn ₁₂ 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 Kagomí 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 CuII/CoII salts and pyridine-4-acetamide. <i>Inorganica Chimica Acta</i> , 2010 , 363, 387-394	2.7	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

