

John C Mcmurtrie

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Competition of Hydrogen Bonds and Coordinate Bonds Induces a Reversible Crystal Transformation. <i>Inorganic Chemistry</i> , 2022, 61, 2086-2092.	1.9	6
2	Controlling the Complexity and Interconversion Mechanisms in Self-Assembled [Fe ₂ L ₃] ⁴⁺ Helicates and [Fe ₄ L ₆] ⁸⁺ Cages. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
3	Controlling the Complexity and Interconversion Mechanisms in Self-Assembled [Fe ₂ L ₃] ⁴⁺ Helicates and [Fe ₄ L ₆] ⁸⁺ Cages. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115555.	7.2	9
4	Hydrazone exchange: a viable route for the solid-tethered synthesis of [2]rotaxanes. <i>New Journal of Chemistry</i> , 2021, 45, 4414-4421.	1.4	4
5	Determining the mechanisms of deformation in flexible crystals using micro-focus X-ray diffraction. <i>CrystEngComm</i> , 2021, 23, 5731-5737.	1.3	23
6	Elastically flexible molecular crystals. <i>Chemical Society Reviews</i> , 2021, 50, 11725-11740.	18.7	81
7	Comment on "Trimorphs of 4-bromophenyl 4-bromobenzoate. Elastic, brittle, plastic" by S. Saha and G. R. Desiraju. <i>Chem. Commun.</i> , 2018, 54, 6348. <i>Chemical Communications</i> , 2021, 57, 4974-4975.	2.2	4
8	The kinetics and mechanism of interconversion within a system of [Fe ₂ L ₃] ⁴⁺ helicates and [Fe ₄ L ₆] ⁸⁺ cages. <i>Chemical Communications</i> , 2021, 57, 4918-4921.	2.2	11
9	Wavelength-Gated Photochemical Synthesis of Phenalene Diimides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10402-10408.	7.2	13
10	Wellenlängen-gesteuerte photochemische Synthese von Phenalendiimiden. <i>Angewandte Chemie</i> , 2021, 133, 10491-10498.	1.6	0
11	Supramolecular Modulation of Spin Crossover in an Fe(II) Dinuclear Triple Helicate. <i>Inorganic Chemistry</i> , 2021, 60, 6731-6738.	1.9	12
12	A Self-Catalyzed Visible Light Driven Thiol Ligation. <i>Journal of the American Chemical Society</i> , 2021, 143, 7292-7297.	6.6	8
13	Hybrid participation options to mitigate discrimination and maximise productivity in post-COVID higher education and research workplaces. <i>Physical and Engineering Sciences in Medicine</i> , 2021, 44, 339-339.	1.3	1
14	Unconventional, Gram-Scale Synthesis of a Molecular Dimer Organic Luminogen with Aggregation-Induced Emission. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40441-40450.	4.0	9
15	The mechanism of bending in co-crystals of caffeine and 4-chloro-3-nitrobenzoic acid. <i>Nature Communications</i> , 2021, 12, 5983.	5.8	15
16	Crystal Transformation from the Incorporation of Coordinate Bonds into a Hydrogen-Bonded Network Yields Robust Free-Standing Supramolecular Membranes. <i>Journal of the American Chemical Society</i> , 2020, 142, 479-486.	6.6	35
17	Three-Way Switchable Single-Crystal-to-Single-Crystal Solvatomorphic Spin Crossover in a Molecular Cocrystal. <i>Chemistry of Materials</i> , 2020, 32, 10076-10083.	3.2	21
18	The mechanism of bending in a plastically flexible crystal. <i>Chemical Communications</i> , 2020, 56, 12841-12844.	2.2	47

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19	Dynamic covalent synthesis of [2]- and [3]rotaxanes both in solution and on solid supports. <i>New Journal of Chemistry</i> , 2020, 44, 11231-11236.	1.4	5
20	Controlling Spin Switching with Anionic Supramolecular Frameworks. <i>Chemistry of Materials</i> , 2020, 32, 3229-3234.	3.2	25
21	Straightening out halogen bonds. <i>CrystEngComm</i> , 2020, 22, 1687-1690.	1.3	8
22	Self-assembly of bis- β -diketone-based [M ₂ L ₂] dinuclear platforms into 2-dimensional coordination polymers. <i>CrystEngComm</i> , 2019, 21, 4786-4791.	1.3	9
23	Halogen-Bond-Modulated Organization of [Ni(terpy-ph) ₂] ₂ Complexes in Heteromeric Three-Component Systems. <i>Crystal Growth and Design</i> , 2019, 19, 5334-5342.	1.4	9
24	Atomic resolution of structural changes in elastic crystals of copper(II) acetylacetonate. <i>Nature Chemistry</i> , 2018, 10, 65-69.	6.6	249
25	A three-dimensional cubic halogen-bonded network. <i>Chemical Communications</i> , 2018, 54, 3974-3976.	2.2	28
26	Elastically Flexible Crystals have Disparate Mechanisms of Molecular Movement Induced by Strain and Heat. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11325-11328.	7.2	66
27	Elastically Flexible Crystals have Disparate Mechanisms of Molecular Movement Induced by Strain and Heat. <i>Angewandte Chemie</i> , 2018, 130, 11495-11498.	1.6	11
28	Co-Crystallisation of 1,4-Diiodotetrafluorobenzene with Three Different Symmetric Dipyridylacetylacetonone Isomers Produces Four Halogen-Bonded Architectures. <i>Australian Journal of Chemistry</i> , 2017, 70, 594.	0.5	20
29	Synthesis of Two 2,2'-Bipyridine Containing Macrocycles for the Preparation of Interlocked Architectures. <i>Australian Journal of Chemistry</i> , 2017, 70, 588.	0.5	3
30	BODIPY-Based Profluorescent Probes Containing <i>Meso</i> - and β -Substituted Isoindoline Nitroxides. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 476-483.	1.2	17
31	Interplay between the Supramolecular Motifs of Polypyridyl Metal Complexes and Halogen Bond Networks in Cocrystals. <i>Crystal Growth and Design</i> , 2016, 16, 681-695.	1.4	33
32	Metal nanoparticle photocatalysts: emerging processes for green organic synthesis. <i>Catalysis Science and Technology</i> , 2016, 6, 320-338.	2.1	122
33	Synthesis of Non-Symmetrical and Atropisomeric Dibenzo[1,3]diazepines: Pd/CPhos-Catalysed Direct Arylation of Bis-Aryl Aminals. <i>Australian Journal of Chemistry</i> , 2015, 68, 1859.	0.5	8
34	Influences of Molecular Structure on Supramolecular Selection during Cocrystallization of Polypyridyl Metal Complexes. <i>Crystal Growth and Design</i> , 2015, 15, 62-69.	1.4	5
35	Selective Solvent Extraction of Silver(I) by Tris-Pyridyl Tripodal Ligands and X-Ray Structure of a Silver(I) Coordination Polymer Incorporating One Such Ligand. <i>Australian Journal of Chemistry</i> , 2015, 68, 549.	0.5	4
36	Synthetic, Structural, and Spectroscopic Studies of Bis(porphyrin) Zinc Complexes Linked by Two-Atom Conjugating Bridges. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2807-2825.	1.2	14

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37	Azo dicarboxylates are not conjugated: X-ray crystal structure and theoretical calculations on di- <i>t</i> -butylazodicarboxylate. <i>Journal of Molecular Structure</i> , 2015, 1098, 298-305.	1.8	4
38	Combining the Diels-Alder Reaction and Palladium-Catalyzed Aminations to Prepare Amino-Substituted Porphyrins. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 856-869.	1.3	3
39	TMIO-Pyrimid Hybrids are Profluorescent, Site-Directed Spin Labels for Nucleic Acids. <i>Organic Letters</i> , 2014, 16, 5528-5531.	2.4	27
40	Isostructural Co-crystals Derived from Molecules with Different Supramolecular Topologies. <i>Crystal Growth and Design</i> , 2014, 14, 6041-6047.	1.4	20
41	Location of hydrogen atoms in hydronium jarosite. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 505-517.	0.3	6
42	Facile dearomatisation of porphyrins using palladium-catalysed hydrazination: the 5,15-diiminoporphodimethenes and their redox products. <i>Tetrahedron</i> , 2014, 70, 517-532.	1.0	9
43	Direct Iodination of Isoindolines and Isoindoline Nitroxides as Precursors to Functionalized Nitroxides. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4829-4835.	1.2	9
44	New approaches to the synthesis of strapped porphyrin containing bipyridinium [2]rotaxanes. <i>New Journal of Chemistry</i> , 2013, 37, 893-900.	1.4	7
45	Exploitation of the Menshutkin Reaction for the Controlled Assembly of Halogen Bonded Architectures Incorporating 1,2-Diiodotetrafluorobenzene and 1,3,5-Triiodotrifluorobenzene. <i>Crystal Growth and Design</i> , 2012, 12, 714-724.	1.4	34
46	Supramolecular Selection in Molecular Alloys. <i>Crystal Growth and Design</i> , 2012, 12, 3906-3916.	1.4	29
47	Homo- and Heteronuclear <i>meso-meso</i> -ethene-linked Diporphyrins: Preparation, X-ray Crystal Structure, Electronic Absorption and Emission Spectra and Density Functional Theory Calculations. <i>Chemistry - A European Journal</i> , 2012, 18, 5574-5588.	1.7	26
48	Vapour phase assembly of a halogen bonded complex of an isoindoline nitroxide and 1,2-diiodotetrafluorobenzene. <i>CrystEngComm</i> , 2011, 13, 5062.	1.3	26
49	Unprecedented encapsulation of a [FeIII(4)] ⁺ anion in a cationic [FeII(L)6] ⁸⁺ tetrahedral cage derived from 5,5'-dimethyl-2,2':5',5'-bis(2,2'-quaterpyridine). <i>Chemical Science</i> , 2011, 2, 540-543. ⁷⁵		
50	Generation of Profluorescent Isoindoline Nitroxides Using Click Chemistry. <i>Journal of Organic Chemistry</i> , 2011, 76, 4964-4972.	1.7	45
51	In search of a new class of stable nitroxide: synthesis and reactivity of a peri-substituted N,N-bissulfonylhydroxylamine. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2336.	1.5	19
52	New metal organic frameworks incorporating the ditopic macrocyclic ligand dipyridyldibenzotetraaza[14]annulene. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 71, 455-462.	1.6	7
53	2-(2-Methyl-1,3-dioxolan-2-yl)-1,1-diphenylethanol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o225-o225.	0.2	3
54	A Cyclic Porphyrin Tetramer Linked by Azo and Butadiyne Bridges. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4381-4392.	1.2	7

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55	Bis[<i>cis</i> -bis(diphenylphosphino)ethene]copper(I) dichloridocuprate(I). Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m493-m494.	0.2	5
56	Azo-linked corner porphyrin systems: synthesis, crystal structures and spectroscopic investigation. Journal of Porphyrins and Phthalocyanines, 2010, 14, 481-493.	0.4	12
57	Alternative metal grid structures formed by [M(terpy)2]2+ and [M(terpyOH)2]2+ complexes with small and large tetrahedral dianions, and by [Ru(terpy)2]0. CrystEngComm, 2010, 12, 2700.	1.3	26
58	New discrete and polymeric supramolecular architectures derived from dinuclear Co(ii), Ni(ii) and Cu(ii) complexes of aryl-linked bis- β^2 -diketonato ligands and nitrogen bases: synthetic, structural and high pressure studies. Dalton Transactions, 2010, 39, 2804.	1.6	35
59	Alternative two-dimensional embrace nets formed by metal complexes of 4-phenylterpyridine crystallised with hydrophilic anions. CrystEngComm, 2010, 12, 3207.	1.3	27
60	Halogen Bonding between an Isoindoline Nitroxide and 1,4-diodotetrafluorobenzene: New Tools and Tectons for Self-Assembling Organic Spin Systems. Chemistry - A European Journal, 2009, 15, 4156-4164.	1.7	91
61	Crystal packing in metal complexes of 4-phenylterpyridine and related ligands: occurrence of the 2D and 1D terpy embrace arrays. CrystEngComm, 2009, 11, 1141.	1.3	55
62	Copper(I) Templated Synthesis of a 2,2'-Bipyridine Derived 2-Catenane: Synthetic, Modelling, and X-ray Studies. Australian Journal of Chemistry, 2009, 62, 1014.	0.5	34
63	4-Hydroxy-4,4-diphenylbutan-2-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1465-o1465.	0.2	0
64	Cobalt(II), Copper(II), and Zinc(II) Framework Systems Derived from Ditopic Pyridyl-Acetylacetonate and Pyridyl-Pyrazole Ligands. Crystal Growth and Design, 2007, 7, 972-979.	1.4	26
65	Neutral (bis- β^2 -diketonato) iron(iii), cobalt(ii), nickel(ii), copper(ii) and zinc(ii) metallocycles: structural, electrochemical and solvent extraction studies. Dalton Transactions, 2007, , 1719-1730.	1.6	39
66	Multiporphyrin coordination arrays based on complexation of magnesium(ii) porphyrins with porphyrinylphosphine oxides. Dalton Transactions, 2007, , 2163.	1.6	28
67	Azoporphyrin: The Porphyrin Analogue of Azobenzene. Angewandte Chemie - International Edition, 2007, 46, 2090-2093.	7.2	61
68	The First Example of an Azaphenylene Profluorescent Nitroxide. European Journal of Organic Chemistry, 2007, 2007, 4638-4641.	1.2	41
69	Tris- β^2 -diketonates and related keto derivatives for use as building blocks in supramolecular chemistry. Tetrahedron, 2007, 63, 1953-1958.	1.0	18
70	Extended three-dimensional supramolecular architectures derived from trinuclear (bis- β^2 -diketonato)copper(ii) metallocycles. Dalton Transactions, 2006, , 3114-3121.	1.6	67
71	Silver(i) complexation of linked 2,2'-dipyridylamine derivatives. Synthetic, solvent extraction, membrane transport and X-ray structural studies. Dalton Transactions, 2006, , 4783-4794.	1.6	51
72	New discrete metallocycles incorporating palladium(ii) and platinum(ii) corners and dipyridyldibenzotetraaza[14]annulene side units. Dalton Transactions, 2006, , 744-750.	1.6	29

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73	New discrete and polymeric supramolecular architectures derived from dinuclear (bis- β^2 -diketonato)copper(ii) metallocycles. <i>Dalton Transactions</i> , 2006, , 3977-3984.	1.6	63
74	meso-Porphyrinylphosphine Oxides: A Mono- and Bidentate Ligands for Supramolecular Chemistry and the Crystal Structures of Monomeric {[10,20-Diphenylporphyrinatonicel(II)-5,15-diyl]-bis-[P(O)Ph ₂]} and Polymeric Self-Coordinated {[10,20-Diphenylporphyrinatozinc(II)-5,15-diyl]-bis-[P(O)Ph ₂]}. <i>Inorganic Chemistry</i> , 2006, 45, 6479-6489.	1.9	54
75	[4-(Dimethylamino)pyridine- β^2 N]bis(pentane-2,4-dionato- β^2 O, β^2)copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m1142-m1143.	0.2	4
76	5-[(E)-2-(4-Methoxycarbonylphenyl)ethenyl]-1,1,3,3-tetramethylisoindolin-2-yloxy. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o3535-o3536.	0.2	0
77	Modified porphyrinoids from carbazates and hydrazones and the first crystal structure of a di-iminoporphodimethene. <i>Tetrahedron Letters</i> , 2005, 46, 6931-6935.	0.7	20
78	New Cadmium(II) and Iron(II) Coordination Frameworks Incorporating a Di(4-pyridyl)isoindoline Ligand. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2470-2475.	1.0	7
79	(Ethane-1,2-diamine)dinitratopalladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1940-m1942.	0.2	0
80	Interaction of cobalt(ii) and nickel(ii) with a β^3 -linked, bis- β^2 -diketone ligand to yield an unusual coordination motif. <i>Dalton Transactions</i> , 2005, , 1349-1351.	1.6	5
81	Assembly of a tri-silver metallo-capsule incorporating a tripodal tris-pyridyl ligand. <i>Dalton Transactions</i> , 2005, , 2082.	1.6	27
82	Engineering grids of metal complexes: development of the 2D M(terpy) ₂ embrace motif in crystals. <i>CrystEngComm</i> , 2005, 7, 216.	1.3	97
83	Engineering the metal-terpy grid with complexes containing 4- β^2 -hydroxy terpyridine. <i>CrystEngComm</i> , 2005, 7, 230-236.	1.3	44
84	Dinuclear bis- β^2 -diketonato ligand derivatives of iron(iii) and copper(ii) and use of the latter as components for the assembly of extended metallo-supramolecular structures. <i>Dalton Transactions</i> , 2005, , 857-864.	1.6	84
85	1,3,5-Tris(4-formylphenoxy)methyl)-2,4,6-trimethylbenzene ethyl acetate solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o6-o8.	0.2	0
86	6,6- β^2 -Bis(chloromethyl)-2,2- β^2 -bipyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o886-o888.	0.2	3
87	catena-Poly[[[dichlorocopper(II)]- β^2 4-1,3,5-tris(2-pyridyloxymethyl)benzene] methanol solvate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, m918-m920.	0.2	0
88	Metal ion recognition via β^2 -selective detuning β^2 ™. The interaction of selected transition and post-transition metal ions with a mono-N-benzylated O ₂ N ₃ -donor macrocycle and its xylyl-bridged ring analogue. <i>Dalton Transactions</i> , 2004, , 122-128.	1.6	18
89	Triangles and tetrahedra: metal directed self-assembly of metallo-supramolecular structures incorporating bis- β^2 -diketonato ligands. <i>Dalton Transactions</i> , 2004, , 2417-2423.	1.6	101
90	Metal-Ion Recognition β^2 ™ Selective Bulk Membrane Transport of Silver(I) Using Thioether Donor Macrocycles as Ionophores, and X-Ray Structure of the Silver Complex of an S ₄ -Donor Ring. <i>Australian Journal of Chemistry</i> , 2004, 57, 161.	0.5	19

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91	(1,4,7,11,14,17-Hexathia-9,9,19,19-tetrahydroxymethylcycloicosane)silver(I) nitrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m880-m882.	0.2	1
92	2,4,6-Trimethyl-1,3,5-tris(phenoxyethyl)benzene. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o1544-o1545.	0.2	0