

Iain D H Oswald

List of Publications by Year in descending order

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186265

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4158
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#	ARTICLE	IF	CITATIONS
1	Structure-Activity Relationships for Cytotoxic Ruthenium(II) Arene Complexes Containing N,N-, N,O-, and O,O-Chelating Ligands. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6858-6868.	6.4	432
2	Controlling ligand substitution reactions of organometallic complexes: Tuning cancer cell cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18269-18274.	7.1	286
3	Kinetics of Aquation and Anation of Ruthenium(II) Arene Anticancer Complexes, Acidity and X-ray Structures of Aqua Adducts. <i>Chemistry - A European Journal</i> , 2003, 9, 5810-5820.	3.3	245
4	Synthesis, Structure, and Properties of [Pt(II)(diimine)(dithiolate)] Dyes with 3,3'-, 4,4'-, and 5,5'-Disubstituted Bipyridyl: Applications in Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , 2005, 44, 242-250.	4.0	201
5	Crystal engineering of energetic materials: Co-crystals of CL-20. <i>CrystEngComm</i> , 2012, 14, 3742.	2.6	196
6	A 3D Interlocked Structure from a 2D Template: Structural Requirements for the Assembly of a Square-Planar Metal-Coordinated[2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3914-3918.	13.8	124
7	Exploring the Experimental and Computed Crystal Energy Landscape of Olanzapine. <i>Crystal Growth and Design</i> , 2013, 13, 1602-1617.	3.0	123
8	Explosives under pressure—the crystal structure of $\hat{\gamma}$ -RDX as determined by high-pressure X-ray and neutron diffraction. <i>CrystEngComm</i> , 2008, 10, 162-165.	2.6	122
9	A Prolific Solvate Former, Galunisertib, under the Pressure of Crystal Structure Prediction, Produces Ten Diverse Polymorphs. <i>Journal of the American Chemical Society</i> , 2019, 141, 13887-13897.	13.7	109
10	The formation of paracetamol (acetaminophen) adducts with hydrogen-bond acceptors. <i>Acta Crystallographica Section B: Structural Science</i> , 2002, 58, 1057-1066.	1.8	104
11	Structures of piperazine, piperidine and morpholine. <i>Acta Crystallographica Section B: Structural Science</i> , 2004, 60, 219-227.	1.8	98
12	Dual Triggering of DNA Binding and Fluorescence via Photoactivation of a Dinuclear Ruthenium(II) Arene Complex. <i>Inorganic Chemistry</i> , 2007, 46, 5059-5068.	4.0	96
13	The crystal structure of $\hat{\beta}$ -RDX—an elusive form of an explosive revealed. <i>Chemical Communications</i> , 2009, , 562-564.	4.1	89
14	Pressure-cooking of explosives—the crystal structure of $\hat{\mu}$ -RDX as determined by X-ray and neutron diffraction. <i>Chemical Communications</i> , 2010, 46, 5662.	4.1	74
15	Getting light through black composites: embedded triboluminescent structural damage sensors. <i>Smart Materials and Structures</i> , 2001, 10, 332-337.	3.5	66
16	From discovery to scale-up: $\hat{\gamma}$ -lipoic acid-nicotinamide co-crystals in a continuous oscillatory baffled crystalliser. <i>CrystEngComm</i> , 2014, 16, 5769-5780.	2.6	64
17	Realizing Predicted Crystal Structures at Extreme Conditions: The Low-Temperature and High-Pressure Crystal Structures of 2-Chlorophenol and 4-Fluorophenol. <i>Crystal Growth and Design</i> , 2005, 5, 1055-1071.	3.0	63
18	Putting pressure on elusive polymorphs and solvates. <i>CrystEngComm</i> , 2009, 11, 359-366.	2.6	60

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19	Pressure-induced formation of a solvate of paracetamol. <i>Chemical Communications</i> , 2003, , 3004.	4.1	59
20	Do triboluminescence spectra really show a spectral shift relative to photoluminescence spectra?. <i>Journal of Luminescence</i> , 2002, 97, 115-126.	3.1	56
21	Barriers to Racemization in C ₃ -Symmetric Complexes Containing the Hydrotris(2-mercapto-1-ethylimidazolyl)borate (TmEt) Ligand. <i>Inorganic Chemistry</i> , 2005, 44, 8884-8898.	4.0	54
22	High-pressure structural studies of energetic materials. <i>Crystallography Reviews</i> , 2010, 16, 115-132.	1.5	49
23	The solid-state photoluminescent quantum yield of triboluminescent materials. <i>Chemical Physics Letters</i> , 2001, 336, 234-241.	2.6	45
24	Structures of the monofluoro- and monochlorophenols at low temperature and high pressure. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 69-79.	1.8	38
25	In Situ Characterization of Elusive Salt Hydrates—The Crystal Structures of the Heptahydrate and Octahydrate of Sodium Sulfate. <i>Journal of the American Chemical Society</i> , 2008, 130, 17795-17800.	13.7	38
26	Polymorphism in <i>p</i> -aminobenzoic acid. <i>CrystEngComm</i> , 2019, 21, 2034-2042.	2.6	30
27	Co-crystallisation at high pressure—an additional tool for the preparation and study of co-crystals. <i>CrystEngComm</i> , 2008, 10, 1114.	2.6	29
28	Drug solid solutions—a method for tuning phase transformations. <i>CrystEngComm</i> , 2014, 16, 5827-5831.	2.6	29
29	Continuous Cocrystallization of Benzoic Acid and Isonicotinamide by Mixing-Induced Supersaturation: Exploring Opportunities between Reactive and Antisolvent Crystallization Concepts. <i>Crystal Growth and Design</i> , 2017, 17, 1902-1909.	3.0	29
30	Polymorphism and polymerisation of acrylic and methacrylic acid at high pressure. <i>CrystEngComm</i> , 2011, 13, 4503.	2.6	26
31	High-pressure structural studies of the pharmaceutical, chlorothiazide. <i>CrystEngComm</i> , 2010, 12, 2533.	2.6	23
32	Templated deprotonative metalation of polyaryl systems: Facile access to simple, previously inaccessible multi-iodoarenes. <i>Science Advances</i> , 2017, 3, e1700832.	10.3	23
33	Beta-adrenoceptor antagonists affect amyloid nanostructure; amyloid hydrogels as drug delivery vehicles. <i>Chemical Communications</i> , 2013, 49, 5082.	4.1	22
34	High-pressure structural studies of energetic compounds. <i>High Pressure Research</i> , 2010, 30, 280-291.	1.2	21
35	Photogeneration of titanium(III) from titanium(IV) citrate in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1260-1264.	3.5	20
36	Temperature dependent solid-state proton migration in dimethylurea—oxalic acid complexes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13273.	2.8	19

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37	Polymorphism of a polymer precursor: metastable glycolide polymorph recovered via large scale high-pressure experiments. <i>CrystEngComm</i> , 2015, 17, 1778-1782.	2.6	19
38	Accessing Mefenamic Acid Form II through High-Pressure Recrystallisation. <i>Pharmaceutics</i> , 2017, 9, 16.	4.5	19
39	Formation of quinol co-crystals with hydrogen-bond acceptors. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 46-57.	1.8	18
40	Rationalisation of Co-Crystal Formation Through Knowledge-Mining. <i>Crystallography Reviews</i> , 2004, 10, 57-66.	1.5	17
41	Synthesis of 2-pyranosyl benzothiazoles, benzimidazoles and benzoxazoles via nucleophilic addition reactions of pyranosyl nitrile oxides. <i>Tetrahedron</i> , 2010, 66, 7155-7160.	1.9	17
42	A 1:1 co-crystal of quinol and pyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1967-o1969.	0.2	16
43	Rapid Continuous Antisolvent Crystallization of Multicomponent Systems. <i>Crystal Growth and Design</i> , 2018, 18, 210-218.	3.0	16
44	Structure and Dynamics of Dinuclear Zirconium(IV) Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 3561-3572.	4.0	15
45	Intermolecular Interactions and Energetics in the Crystalline π - π Stacks and Associated Model Dimer Systems of Asymmetric Halogenated Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2016, 16, 1531-1542.	3.0	15
46	Quantitative investigation of particle formation of a model pharmaceutical formulation using single droplet evaporation experiments and X-ray tomography. <i>Advanced Powder Technology</i> , 2018, 29, 2996-3006.	4.1	15
47	Structural similarities of 2-chlorophenol and 2-methylphenol. <i>CrystEngComm</i> , 2009, 11, 463-469.	2.6	14
48	The crystal structures of the low-temperature and high-pressure polymorphs of nitric acid. <i>Dalton Transactions</i> , 2010, 39, 3736.	3.3	14
49	Investigation of Acrylic Acid at High Pressure Using Neutron Diffraction. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4044-4051.	2.6	14
50	The ecstasy and the agony; compression studies of 3,4-methylenedioxyamphetamine (MDMA). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 3-9.	1.1	13
51	Two isostructural triboluminescent lanthanide complexes. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1323-1325.	0.4	12
52	Reaction of Acetylenedicarboxylic Acid Made Easy: High-Pressure Route for Polymerization. <i>Crystal Growth and Design</i> , 2018, 18, 1425-1431.	3.0	12
53	A paracetamol-morpholine adduct. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, o1290-o1292.	0.2	10
54	Impact of Paracetamol Impurities on Face Properties: Investigating the Surface of Single Crystals Using TOF-SIMS. <i>Crystal Growth and Design</i> , 2018, 18, 2750-2758.	3.0	10

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55	Discovery and recovery of delta <i>p</i>-aminobenzoic acid. CrystEngComm, 2019, 21, 2058-2066.	2.6	10
56	On the electronic structure of nitro-substituted bipyridines and their platinum complexes. Dalton Transactions, 2012, 41, 201-207.	3.3	9
57	Supramolecular hair dyes: a new application of cocrystallization. CrystEngComm, 2016, 18, 5360-5364.	2.6	9
58	Compression of glycolide-h ₄ to 6â€¦GPa. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 1151-1157.	1.1	9
59	Hidden Solvates and Transient Forms of Trimesic Acid. Crystals, 2020, 10, 1098.	2.2	9
60	High-Pressure Studies of Energetic Materials. NATO Science for Peace and Security Series B: Physics and Biophysics, 2010, , 447-457.	0.3	8
61	Tracking the Structural Changes in a Series of Cholesterol Solvates. Crystal Growth and Design, 2012, 12, 231-239.	3.0	8
62	Structural study of salt forms of amides; paracetamol, benzamide and piperine. Journal of Molecular Structure, 2018, 1154, 196-203.	3.6	8
63	Mannitol Crystallization at Sub-Zero Temperatures: Time/Temperature-Resolved Synchrotron X-ray Diffraction Study and the Phase Diagram. Journal of Physical Chemistry Letters, 2021, 12, 1453-1460.	4.6	8
64	A 1:2 co-crystal of isonicotinamide and propionic acid. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2380-o2383.	0.2	6
65	Carbon dioxide binary crystals via the thermal decomposition of RDX at high pressure. Chemical Science, 2017, 8, 4872-4878.	7.4	6
66	Structural investigation and compression of a co-crystal of indomethacin and saccharin. CrystEngComm, 2019, 21, 4465-4472.	2.6	6
67	Crystallography Under High Pressures. Structure and Bonding, 2020, , 141-198.	1.0	6
68	Powder diffraction studies of pressure-induced instabilities in orthorhombic LnGaO ₃ . Zeitschrift für Kristallographie, Supplement, 2009, 2009, 341-346.	0.5	5
69	A complementary experimental and computational study of loxapine succinate and its monohydrate. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 1273-1278.	0.4	5
70	Investigation of Methacrylic Acid at High Pressure Using Neutron Diffraction. Journal of Physical Chemistry B, 2015, 119, 12147-12154.	2.6	4
71	Pressure-Induced Polymorphism of Caprolactam: A Neutron Diffraction Study. Molecules, 2019, 24, 2174.	3.8	4
72	6-Methyl-1,3,5-triazine-2,4-diamine butane-1,4-diol monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3377-o3377.	0.2	2

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73	The effects of extreme conditions on molecular solids. <i>CrystEngComm</i> , 2019, 21, 4420-4421.	2.6	2
74	Antisolvent addition at extreme conditions. <i>CrystEngComm</i> , 2019, 21, 4437-4443.	2.6	2
75	Effect of Chirality on the Compression of 2-(2-Oxo-1-pyrrolidinyl)butyramide: A Tale of Two Crystals. <i>Crystal Growth and Design</i> , 2020, 20, 6731-6744.	3.0	2
76	Crystal structure of a mixed solvated form of amoxapine acetate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 139-141.	0.5	1
77	Pressure-induced superelastic behaviour of isonicotinamide. <i>Chemical Communications</i> , 2021, 57, 11827-11830.	4.1	1
78	Sweet like chocolate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1021-1022.	0.5	0