Peter A Wood

List of Publications by Citations

61 papers	10,764 citations	29 h-index	64 g-index
64 ext. papers	12,359 ext. citations	5.9 avg, IF	6.13 L-index

#	Paper	IF	Citations
61	Mercury CSD 2.0 new features for the visualization and investigation of crystal structures. *Journal of Applied Crystallography*, **2008**, 41, 466-470	3.8	6757
60	: from visualization to analysis, design and prediction. *Journal of Applied Crystallography*, **2020**, 53, 226-235	3.8	1191
59	Development of a Cambridge Structural Database Subset: A Collection of Metal Organic Frameworks for Past, Present, and Future. *Chemistry of Materials*, **2017**, 29, 2618-2625	9.6	499
58	Hydrogen-bond directionality at the donor H atom analysis of interaction energies and database statistics. *CrystEngComm*, **2009**, 11, 1563	3.3	186
57	A single-molecule magnet with a "twist". *Journal of the American Chemical Society*, **2007**, 129, 8-9	16.4	184
56	Analysis of 50 Crystal Structures Containing Carbamazepine Using the Materials Module of Mercury CSD. *Crystal Growth and Design*, **2009**, 9, 1869-1888	3.5	140
55	Spin switching via targeted structural distortion. *Journal of the American Chemical Society*, **2007**, 129, 6547-61	16.4	140
54	A Million Crystal Structures: The Whole Is Greater than the Sum of Its Parts. *Chemical Reviews*, **2019** , 119, 9427-9477	68.1	116
53	Orthogonal dipolar interactions between amide carbonyl groups. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 17290-4	11.5	112
52	WebCSD: the online portal to the Cambridge Structural Database. *Journal of Applied Crystallography*, **2010**, 43, 362-366	3.8	110
51	New software for statistical analysis of Cambridge Structural Database data. *Journal of Applied Crystallography*, **2011**, 44, 882-886	3.8	108
50	High-pressure polymorphism in amino acids. *Crystallography Reviews*, **2008**, 14, 143-184	1.3	103
49	Knowledge-based approaches to co-crystal design. *CrystEngComm*, **2014**, 16, 5839	3.3	93
48	Evaluation of molecular crystal structures using Full Interaction Maps. *CrystEngComm*, **2013**, 15, 65-72	3.3	76
47	Targeted classification of metal-organic frameworks in the Cambridge structural database (CSD). *Chemical Science*, **2020**, 11, 8373-8387	9.4	61
46	The hydrogen bond environments of 1H-tetrazole and tetrazolate rings: the structural basis for tetrazole-carboxylic acid bioisosterism. *Journal of Chemical Information and Modeling*, **2012**, 52, 857-66	6.1	54
45	The use of methylsalicyloxime in manganese chemistry: A triangle and its oxidation to a rod. *Inorganica Chimica Acta*, **2007**, 360, 3932-3940	2.7	50

44	High-pressure polymorphism in salicylamide. *CrystEngComm*, **2010**, 12, 1065	3.3	48
43	Synthesis, characterisation and photochemistry of Pt(IV) pyridyl azido acetato complexes. *Dalton Transactions*, **2009**, 2315-25	4.3	48
42	Interaction geometries and energies of hydrogen bonds to C[double bond]O and C[double bond]S acceptors: a comparative study. *Acta Crystallographica Section B: Structural Science*, **2008**, 64, 491-6		47
41	A study of the high-pressure polymorphs of L-serine using ab initio structures and PIXEL calculations. *CrystEngComm*, **2008**, 10, 1154	3.3	43
40	Effect of pressure on the crystal structure of salicylaldoxime-I, and the structure of salicylaldoxime-II at 5.93 GPa. *Acta Crystallographica Section B: Structural Science*, **2006**, 62, 1099-111		43
39	One in half a million: a solid form informatics study of a pharmaceutical crystal structure. *CrystEngComm*, **2012**, 14, 2391-2403	3.3	39
38	Hydrogen-bond coordination in organic crystal structures: statistics, predictions and applications. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2014**, 70, 91-105	1.8	35
37	Dipolar C[triple-bond]N...C[triple-bond]N interactions in organic crystal structures: database analysis and calculation of interaction energies. *Acta Crystallographica Section B: Structural Science*, **2008**, 64, 393-6		35
36	1,4,5,8,9,12-Hexamethyltriphenylene. A molecule with a flipping twist. *Journal of the American Chemical Society*, **2007**, 129, 13193-200	16.4	34
35	Tunable dipolar magnetism in high-spin molecular clusters. *Physical Review Letters*, **2006**, 97, 167202	7.4	34
34	Role of chloroform and dichloromethane solvent molecules in crystal packing: an interaction propensity study. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2013**, 69, 379-88	1.8	33
33	Using the outer coordination sphere to tune the strength of metal extractants. *Inorganic Chemistry*, **2011**, 50, 4515-22	5.1	33
32	Analysis of the compression of molecular crystal structures using Hirshfeld surfaces. *CrystEngComm* , **2008**,	3.3	21
31	Competition between hydrogen bonding and dispersion interactions in the crystal structures of the primary amines. *CrystEngComm*, **2014**, 16, 3867-3882	3.3	20
30	Isostructurality in pharmaceutical salts: How often and how similar?. *CrystEngComm*, **2012**, 14, 2413	3.3	20
29	Applications of leverage analysis in structure refinement. *Journal of Applied Crystallography*, **2012**, 45, 417-429	3.8	19
28	The Anisotropic Compression of the Crystal Structure of 3-Aza-bicyclo(3.3.1)nonane-2,4-dione to 7.1 GPa. *Crystal Growth and Design*, **2008**, 8, 549-558	3.5	18
27	High-pressure polymorphism in L-threonine between ambient pressure and 22 GPa. *CrystEngComm*, **2019**, 21, 4444-4456	3.3	17

26	Tagging (Arene)ruthenium(II) Anticancer Complexes with Fluorescent Labels. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2783-2796	2.3	17
25	Supramolecular chemistry in metal recovery; H-bond buttressing to tune extractant strength. *Chemical Communications*, **2007**, 4940-2	5.8	16
24	The effect of pressure and substituents on the size of pseudo-macrocyclic cavities in salicylaldoxime ligands. *CrystEngComm*, **2008**, 10, 239-251	3.3	15
23	Intermolecular interaction energies in transition metal coordination compounds. *CrystEngComm*, **2015**, 17, 9300-9310	3.3	14
22	Tripodal borate ligands from tris(dimethylamino)borane: the first synthesis of a chiral tris(methimazolyl)borate ligand, and the crystal structure of a single diastereomer pseudo-C3-symmetric Ru(II) complex. *Dalton Transactions*, **2007**, 476-80	4.3	13
21	: automated execution of Pixel calculations via the interface. *Journal of Applied Crystallography*, **2020**, 53, 1154-1162	3.8	13
20	The impact of accessible surface on hydrogen bond formation. *CrystEngComm*, **2010**, 12, 2485	3.3	11
19	The next dimension of structural science communication: simple 3D printing directly from a crystal structure. *CrystEngComm*, **2017**, 19, 690-698	3.3	10
18	Navigating the Solid Form Landscape with Structural Informatics **2016**, 15-35		8
17	Capturing neon - the first experimental structure of neon trapped within a metal-organic environment. *Chemical Communications*, **2016**, 52, 10048-51	5.8	8
16	Energy matters!. *Crystallography Reviews*, **2010**, 16, 169-195	1.3	8
15	Mapping the cooperativity pathways in spin crossover complexes. *Chemical Science*, **2020**, 12, 1007-1015	9.4	8
14	Prediction of framework-guest systems using molecular docking. *Chemical Communications*, **2010**, 46, 3318-20	5.8	7
13	One class classification as a practical approach for accelerating □□co-crystal discovery. *Chemical Science*, **2020**, 12, 1702-1719	9.4	7
12	MOLE: a data management application based on a protein production data model. *Proteins: Structure, Function and Bioinformatics*, **2005**, 58, 285-9	4.2	6
11	The launch of a freely accessible MOF CIF collection from the CSD. *Matter*, **2021**, 4, 1105-1106	12.7	6
10	The versatile role of the ethynyl group in crystal packing: an interaction propensity study. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2013**, 69, 281-7	1.8	5
9	Hydrogen-bond landscapes, geometry and energetics of squaric acid and its mono- and dianions: a Cambridge Structural Database, IsoStar and computational study. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2013**, 69, 514-23	1.8	5

8	Hole interactions in small-molecule compounds containing divalent sulfur groups R-S-R. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2020**, 76, 707-718	1.8	5
7	Use of the PIXEL method to investigate gas adsorption in metal-organic frameworks. *CrystEngComm*, **2016**, 18, 3273-3281	3.3	4
6	Salicylaldoxime-III at 150 K. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o3944-o3946		3
5	Automated oxidation-state assignment for metal sites in coordination complexes in the Cambridge Structural Database. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2019**, 75, 1096-1105	1.8	3
4	3-Fluoro-salicylaldoxime at 6.5 GPa. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2001		2
3	3-Hydroxysalicylaldoxime. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o3131-o3131		1
2	Chalcogen Bonds in Small-Organic Molecule Compounds Derived from the Cambridge Structural Database (CSD). *Crystal Structure Theory and Applications*, **2021**, 10, 57-69	0.3	1
1	Behavior of Occupied and Void Space in Molecular Crystal Structures at High Pressure.. *Crystal Growth and Design*, **2022**, 22, 2328-2341	3.5	0