

# Peter A Wood

## List of Publications by Year in Descending Order

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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.

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	Behavior of Occupied and Void Space in Molecular Crystal Structures at High Pressure.. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 2328-2341	3.5	0
60	Chalcogen Bonds in Small-Organic Molecule Compounds Derived from the Cambridge Structural Database (CSD). <i>Crystal Structure Theory and Applications</i> , <b>2021</b> , 10, 57-69	0.3	1
59	The launch of a freely accessible MOF CIF collection from the CSD. <i>Matter</i> , <b>2021</b> , 4, 1105-1106	12.7	6
58	Targeted classification of metal-organic frameworks in the Cambridge structural database (CSD). <i>Chemical Science</i> , <b>2020</b> , 11, 8373-8387	9.4	61
57	: from visualization to analysis, design and prediction. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 226-235	3.8	1191
56	: automated execution of Pixel calculations via the interface. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 1154-1162	3.8	13
55	π-Hole interactions in small-molecule compounds containing divalent sulfur groups R-S-R. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2020</b> , 76, 707-718	1.8	5
54	Mapping the cooperativity pathways in spin crossover complexes. <i>Chemical Science</i> , <b>2020</b> , 12, 1007-1015	9.4	8
53	One class classification as a practical approach for accelerating H <sub>2</sub> O-crystal discovery. <i>Chemical Science</i> , <b>2020</b> , 12, 1702-1719	9.4	7
52	High-pressure polymorphism in L-threonine between ambient pressure and 22 GPa. <i>CrystEngComm</i> , <b>2019</b> , 21, 4444-4456	3.3	17
51	A Million Crystal Structures: The Whole Is Greater than the Sum of Its Parts. <i>Chemical Reviews</i> , <b>2019</b> , 119, 9427-9477	68.1	116
50	Automated oxidation-state assignment for metal sites in coordination complexes in the Cambridge Structural Database. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 1096-1105	1.8	3
49	Development of a Cambridge Structural Database Subset: A Collection of Metal-Organic Frameworks for Past, Present, and Future. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2618-2625	9.6	499
48	The next dimension of structural science communication: simple 3D printing directly from a crystal structure. <i>CrystEngComm</i> , <b>2017</b> , 19, 690-698	3.3	10
47	Navigating the Solid Form Landscape with Structural Informatics <b>2016</b> , 15-35		8
46	Capturing neon - the first experimental structure of neon trapped within a metal-organic environment. <i>Chemical Communications</i> , <b>2016</b> , 52, 10048-51	5.8	8
45	Use of the PIXEL method to investigate gas adsorption in metal-organic frameworks. <i>CrystEngComm</i> , <b>2016</b> , 18, 3273-3281	3.3	4

44	Intermolecular interaction energies in transition metal coordination compounds. <i>CrystEngComm</i> , <b>2015</b> , 17, 9300-9310	3.3	14
43	Knowledge-based approaches to co-crystal design. <i>CrystEngComm</i> , <b>2014</b> , 16, 5839	3.3	93
42	Competition between hydrogen bonding and dispersion interactions in the crystal structures of the primary amines. <i>CrystEngComm</i> , <b>2014</b> , 16, 3867-3882	3.3	20
41	Hydrogen-bond coordination in organic crystal structures: statistics, predictions and applications. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2014</b> , 70, 91-105	1.8	35
40	Evaluation of molecular crystal structures using Full Interaction Maps. <i>CrystEngComm</i> , <b>2013</b> , 15, 65-72	3.3	76
39	The versatile role of the ethynyl group in crystal packing: an interaction propensity study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2013</b> , 69, 281-7	1.8	5
38	Role of chloroform and dichloromethane solvent molecules in crystal packing: an interaction propensity study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2013</b> , 69, 379-88	1.8	33
37	Hydrogen-bond landscapes, geometry and energetics of squaric acid and its mono- and dianions: a Cambridge Structural Database, IsoStar and computational study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2013</b> , 69, 514-23	1.8	5
36	Applications of leverage analysis in structure refinement. <i>Journal of Applied Crystallography</i> , <b>2012</b> , 45, 417-429	3.8	19
35	Isostructurality in pharmaceutical salts: How often and how similar?. <i>CrystEngComm</i> , <b>2012</b> , 14, 2413	3.3	20
34	The hydrogen bond environments of 1H-tetrazole and tetrazolate rings: the structural basis for tetrazole-carboxylic acid bioisosterism. <i>Journal of Chemical Information and Modeling</i> , <b>2012</b> , 52, 857-66	6.1	54
33	One in half a million: a solid form informatics study of a pharmaceutical crystal structure. <i>CrystEngComm</i> , <b>2012</b> , 14, 2391-2403	3.3	39
32	Using the outer coordination sphere to tune the strength of metal extractants. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 4515-22	5.1	33
31	New software for statistical analysis of Cambridge Structural Database data. <i>Journal of Applied Crystallography</i> , <b>2011</b> , 44, 882-886	3.8	108
30	Energy matters!. <i>Crystallography Reviews</i> , <b>2010</b> , 16, 169-195	1.3	8
29	The impact of accessible surface on hydrogen bond formation. <i>CrystEngComm</i> , <b>2010</b> , 12, 2485	3.3	11
28	High-pressure polymorphism in salicylamide. <i>CrystEngComm</i> , <b>2010</b> , 12, 1065	3.3	48
27	Prediction of framework-guest systems using molecular docking. <i>Chemical Communications</i> , <b>2010</b> , 46, 3318-20	5.8	7

26	WebCSD: the online portal to the Cambridge Structural Database. <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 362-366	3.8	110
25	Hydrogen-bond directionality at the donor H atom—analysis of interaction energies and database statistics. <i>CrystEngComm</i> , <b>2009</b> , 11, 1563	3.3	186
24	Analysis of 50 Crystal Structures Containing Carbamazepine Using the Materials Module of Mercury CSD. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1869-1888	3.5	140
23	Synthesis, characterisation and photochemistry of Pt(IV) pyridyl azido acetato complexes. <i>Dalton Transactions</i> , <b>2009</b> , 2315-25	4.3	48
22	3-Fluoro-salicylaldehyde at 6.5 GPa. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o2001		2
21	High-pressure polymorphism in amino acids. <i>Crystallography Reviews</i> , <b>2008</b> , 14, 143-184	1.3	103
20	The effect of pressure and substituents on the size of pseudo-macrocyclic cavities in salicylaldehyde ligands. <i>CrystEngComm</i> , <b>2008</b> , 10, 239-251	3.3	15
19	A study of the high-pressure polymorphs of L-serine using ab initio structures and PIXEL calculations. <i>CrystEngComm</i> , <b>2008</b> , 10, 1154	3.3	43
18	Analysis of the compression of molecular crystal structures using Hirshfeld surfaces. <i>CrystEngComm</i> , <b>2008</b> ,	3.3	21
17	The Anisotropic Compression of the Crystal Structure of 3-Aza-bicyclo(3.3.1)nonane-2,4-dione to 7.1 GPa. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 549-558	3.5	18
16	Orthogonal dipolar interactions between amide carbonyl groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17290-4	11.5	112
15	Dipolar C≡N...C≡N interactions in organic crystal structures: database analysis and calculation of interaction energies. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2008</b> , 64, 393-6		35
14	Interaction geometries and energies of hydrogen bonds to C=O and C=S acceptors: a comparative study. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2008</b> , 64, 491-6		47
13	Mercury CSD 2.0—the features for the visualization and investigation of crystal structures. <i>Journal of Applied Crystallography</i> , <b>2008</b> , 41, 466-470	3.8	6757
12	Supramolecular chemistry in metal recovery; H-bond buttressing to tune extractant strength. <i>Chemical Communications</i> , <b>2007</b> , 4940-2	5.8	16
11	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-C <sub>3</sub> -symmetric Ru(II) complex. <i>Dalton Transactions</i> , <b>2007</b> , 476-80	4.3	13
10	1,4,5,8,9,12-Hexamethyltriphenylene. A molecule with a flipping twist. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 13193-200	16.4	34
9	Tagging (Arene)ruthenium(II) Anticancer Complexes with Fluorescent Labels. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2783-2796	2.3	17

8	The use of methylsalicyloxime in manganese chemistry: A triangle and its oxidation to a rod. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3932-3940	2.7	50
7	3-Hydroxysalicylaldoxime. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o3131-o3131		1
6	A single-molecule magnet with a "twist". <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8-9	16.4	184
5	Spin switching via targeted structural distortion. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6547-61	16.4	140
4	Tunable dipolar magnetism in high-spin molecular clusters. <i>Physical Review Letters</i> , <b>2006</b> , 97, 167202	7.4	34
3	Effect of pressure on the crystal structure of salicylaldoxime-I, and the structure of salicylaldoxime-II at 5.93 GPa. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2006</b> , 62, 1099-111		43
2	Salicylaldoxime-III at 150 K. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, o3944-o3946		3
1	MOLE: a data management application based on a protein production data model. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 58, 285-9	4.2	6