Ian J Bruno

List of Publications by Year in Descending Order

25 papers	16,065 citations	13 h-index	28 g-index
28 ext. papers	17,929 ext. citations	3.6 avg, IF	6.7 L-index

#	Paper	IF	Citations
25	FAIR and Open Data in Science: The Opportunity for IUPAC. *Chemistry International*, **2021**, 43, 12-16	1.6	1
24	The impact of the Cambridge Structural Database and the small molecule crystal structures it contains: a bibliographic and literature study. *CrystEngComm*, **2020**, 22, 7233-7241	3.3	3
23	Growing the FAIR Community at the Intersection of the Geosciences and Pure and Applied Chemistry. *Data Intelligence*, **2020**, 2, 139-150	3	5
22	Particle Informatics: Advancing Our Understanding of Particle Properties through Digital Design. *Crystal Growth and Design*, **2019**, 19, 5258-5266	3.5	8
21	The next dimension of structural science communication: simple 3D printing directly from a crystal structure. *CrystEngComm*, **2017**, 19, 690-698	3.3	10
20	From Experiments to Knowledge. *Chemistry International*, **2017**, 39, 41-42	1.6	1
19	Connecting Chemistry with Global Challenges through Data Standards. *Chemistry International*, **2017**, 39, 5-8	1.6	2
18	Crystallography and Databases. *Data Science Journal*, **2017**, 16,	2	18
17	The Cambridge Structural Database. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2016**, 72, 171-9	1.8	5178
16	A crystallographic perspective on sharing data and knowledge. *Journal of Computer-Aided Molecular Design*, **2014**, 28, 1015-22	4.2	24
15	Mining the Cambridge Structural Database for Bioisosteres **2012**, 75-101		5
14	One in half a million: a solid form informatics study of a pharmaceutical crystal structure. *CrystEngComm*, **2012**, 14, 2391-2403	3.3	39
13	New software for statistical analysis of Cambridge Structural Database data. *Journal of Applied Crystallography*, **2011**, 44, 882-886	3.8	108
12	Deducing chemical structure from crystallographically determined atomic coordinates. *Acta Crystallographica Section B: Structural Science*, **2011**, 67, 333-49		17
11	WebCSD: the online portal to the Cambridge Structural Database. *Journal of Applied Crystallography*, **2010**, 43, 362-366	3.8	110
10	Bond lengths in organic and metal-organic compounds revisited: X-H bond lengths from neutron diffraction data. *Acta Crystallographica Section B: Structural Science*, **2010**, 66, 380-6		279
9	Polymer backbone conformation--a challenging task for database information retrieval. *Angewandte Chemie - International Edition*, **2009**, 48, 9596-8	16.4	5

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8	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
7	Factors affecting d-block metal-ligand bond lengths: toward an automated library of molecular geometry for metal complexes. *Journal of Chemical Information and Modeling*, **2005**, 45, 1727-48	6.1	24
6	Retrieval of crystallographically-derived molecular geometry information. *Journal of Chemical Information and Computer Sciences*, **2004**, 44, 2133-44		699
5	New software for searching the Cambridge Structural Database and visualizing crystal structures. *Acta Crystallographica Section B: Structural Science*, **2002**, 58, 389-97		2525
4	The Development and Application of Knowledge-Based Approaches to Molecular Design **1999**, 243-260		
3	IsoStar: a library of information about nonbonded interactions. *Journal of Computer-Aided Molecular Design*, **1997**, 11, 525-37	4.2	233
2	Representation and searching of carbohydrate structures using graph-theoretic techniques. *Carbohydrate Research*, **1997**, 304, 61-7	2.9	13
1	FAIR enough?. *Spectroscopy Europe*,25		1