

Rob Ww Hooft

List of Publications by Citations

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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.

37
papers

8,515
citations

20
h-index

39
g-index

39
ext. papers

11,111
ext. citations

7.4
avg, IF

5.19
L-index

#	Paper	IF	Citations
37	The FAIR Guiding Principles for scientific data management and stewardship. <i>Scientific Data</i> , 2016 , 3, 160018	8.2	4154
36	Errors in protein structures. <i>Nature</i> , 1996 , 381, 272	50.4	1730
35	Determination of absolute structure using Bayesian statistics on Bijvoet differences. <i>Journal of Applied Crystallography</i> , 2008 , 41, 96-103	3.8	579
34	A series of PDB related databases for everyday needs. <i>Nucleic Acids Research</i> , 2011 , 39, D411-9	20.1	487
33	Positioning hydrogen atoms by optimizing hydrogen-bond networks in protein structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996 , 26, 363-76	4.2	256
32	Accurate cells from area-detector images. <i>Journal of Applied Crystallography</i> , 2000 , 33, 893-898	3.8	169
31	The use of position-specific rotamers in model building by homology. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995 , 23, 415-21	4.2	126
30	Objectively judging the quality of a protein structure from a Ramachandran plot. <i>Bioinformatics</i> , 1997 , 13, 425-30	7.2	122
29	An adaptive umbrella sampling procedure in conformational analysis using molecular dynamics and its application to glycol. <i>Journal of Chemical Physics</i> , 1992 , 97, 6690-6694	3.9	114
28	Who checks the checkers? Four validation tools applied to eight atomic resolution structures. EU 3-D Validation Network. <i>Journal of Molecular Biology</i> , 1998 , 276, 417-36	6.5	106
27	Using the t -distribution to improve the absolute structure assignment with likelihood calculations. <i>Journal of Applied Crystallography</i> , 2010 , 43, 665-668	3.8	81
26	FAIR Principles: Interpretations and Implementation Considerations. <i>Data Intelligence</i> , 2020 , 2, 10-29	3	66
25	Verification of Protein Structures: Side-Chain Planarity. <i>Journal of Applied Crystallography</i> , 1996 , 29, 714-736	3.6	59
24	Four simple recommendations to encourage best practices in research software. <i>F1000Research</i> , 2017 , 6,	3.6	58
23	Crystal Engineering of MelamineImide Complexes; Tuning the Stoichiometry by Steric Hindrance of the Imide Carbonyl Groups. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 969-971		55
22	Molecular dynamics study of conformational and anomeric equilibria in aqueous D-glucose. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 12093-12099		51
21	Divergent evolution of a beta/alpha-barrel subclass: detection of numerous phosphate-binding sites by motif search. <i>Protein Science</i> , 1995 , 4, 268-74	6.3	42

20	Use of molecular dynamics methods in conformational analysis. Glycol. A model study. <i>Journal of Chemical Physics</i> , 1992 , 97, 3639-3646	3.9	34
19	Probability plots based on Student's t-distribution. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009 , 65, 319-21		23
18	Top 10 metrics for life science software good practices. <i>F1000Research</i> , 2016 , 5,	3.6	12
17	Data Management Planning: How Requirements and Solutions are Beginning to Converge. <i>Data Intelligence</i> , 2020 , 2, 208-219	3	12
16	Software vs. data in the context of citation		10
15	Reconstruction of symmetry-related molecules from protein data bank (PDB) files. <i>Journal of Applied Crystallography</i> , 1994 , 27, 1006-1009	3.8	8
14	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. <i>F1000Research</i> , 2015 , 4, 33	3.6	8
13	Data Stewardship Wizard – A Tool Bringing Together Researchers, Data Stewards, and Data Experts around Data Management Planning. <i>Data Science Journal</i> , 2019 , 18,	2	8
12	Structural studies on sweet taste inhibitors: lactisole, dl-2(4-methoxyphenoxy)-propanoic acid. <i>Journal of Molecular Structure</i> , 1994 , 326, 25-34	3.4	7
11	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. <i>F1000Research</i> , 2015 , 4, 33	3.6	7
10	Structural studies on sweet taste inhibitors: methyl-4,6-dichloro-4,6-dideoxygalactopyranoside. <i>Journal of Molecular Structure</i> , 1993 , 291, 173-182	3.4	6
9	A high-throughput processing service for retention time alignment of complex proteomics and metabolomics LC-MS data. <i>Bioinformatics</i> , 2011 , 27, 1176-8	7.2	5
8	The structure of 1,6-diazacyclododecane-7,12-dione, a cyclic monomeric model of polyamide 46. <i>Journal of Crystallographic and Spectroscopic Research</i> , 1993 , 23, 917-920		5
7	Improved coordinate reconstruction from stereo diagrams. <i>Journal of Molecular Graphics</i> , 1996 , 14, 168-72		4
6	Facilities that make the PDB data collection more powerful. <i>Protein Science</i> , 2020 , 29, 330-344	6.3	4
5	Low-temperature, high-resolution crystal structure study of tricyclo[3.3.1.1 ^{3,7}]decan-2-ol (adamantanol-2). <i>Journal of Crystallographic and Spectroscopic Research</i> , 1990 , 20, 123-131		3
4	Structural studies on artificial sweeteners: itN-(4-(1-propyloxy)-phenyl)-urea. <i>Journal of Molecular Structure</i> , 1991 , 263, 267-279	3.4	2
3	Bioinformatics in the Netherlands: the value of a nationwide community. <i>Briefings in Bioinformatics</i> , 2019 , 20, 540-550	13.4	2

2 Structure of racemic 4-isopropenyl-1-cyclohexene-1-carbaldehyde oxime (perillartine). *Acta Crystallographica Section C: Crystal Structure Communications*, **1990**, 46, 1133-1135

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1 Application Profile for Machine-Actionable Data Management Plans. *Data Science Journal*, **2021**, 20, 32 2