Rob Ww Hooft

List of Publications by Year in Descending Order

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	Application Profile for Machine-Actionable Data Management Plans. *Data Science Journal*, **2021**, 20, 32	2	
36	FAIR Principles: Interpretations and Implementation Considerations. *Data Intelligence*, **2020**, 2, 10-29	3	66
35	Facilities that make the PDB data collection more powerful. *Protein Science*, **2020**, 29, 330-344	6.3	4
34	Data Management Planning: How Requirements and Solutions are Beginning to Converge. *Data Intelligence*, **2020**, 2, 208-219	3	12
33	Data Stewardship Wizard: A Tool Bringing Together Researchers, Data Stewards, and Data Experts around Data Management Planning. *Data Science Journal*, **2019**, 18,	2	8
32	Bioinformatics in the Netherlands: the value of a nationwide community. *Briefings in Bioinformatics*, **2019**, 20, 540-550	13.4	2
31	Four simple recommendations to encourage best practices in research software. *F1000Research*, **2017**, 6,	3.6	58
30	Top 10 metrics for life science software good practices. *F1000Research*, **2016**, 5,	3.6	12
29	The FAIR Guiding Principles for scientific data management and stewardship. *Scientific Data*, **2016**, 3, 160018	8.2	4154
28	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. *F1000Research*, **2015**, 4, 33	3.6	8
27	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. *F1000Research*, **2015**, 4, 33	3.6	7
26	A series of PDB related databases for everyday needs. *Nucleic Acids Research*, **2011**, 39, D411-9	20.1	487
25	A high-throughput processing service for retention time alignment of complex proteomics and metabolomics LC-MS data. *Bioinformatics*, **2011**, 27, 1176-8	7.2	5
24	Using thet-distribution to improve the absolute structure assignment with likelihood calculations. *Journal of Applied Crystallography*, **2010**, 43, 665-668	3.8	81
23	Probability plots based on Student's t-distribution. *Acta Crystallographica Section A: Foundations and Advances*, **2009**, 65, 319-21		23
22	Determination of absolute structure using Bayesian statistics on Bijvoet differences. *Journal of Applied Crystallography*, **2008**, 41, 96-103	3.8	579
21	Accurate cells from area-detector images. *Journal of Applied Crystallography*, **2000**, 33, 893-898	3.8	169

20	Who checks the checkers? Four validation tools applied to eight atomic resolution structures. EU 3-D Validation Network. *Journal of Molecular Biology*, **1998**, 276, 417-36	6.5	106
19	Objectively judging the quality of a protein structure from a Ramachandran plot. *Bioinformatics*, **1997**, 13, 425-30	7.2	122
18	Crystal Engineering of Melamine□Imide Complexes; Tuning the Stoichiometry by Steric Hindrance of the Imide Carbonyl Groups. *Angewandte Chemie International Edition in English*, **1997**, 36, 969-971		55
17	Verification of Protein Structures: Side-Chain Planarity. *Journal of Applied Crystallography*, **1996**, 29, 714-716	3.8	59
16	Positioning hydrogen atoms by optimizing hydrogen-bond networks in protein structures. *Proteins: Structure, Function and Bioinformatics*, **1996**, 26, 363-76	4.2	256
15	Improved coordinate reconstruction from stereo diagrams. *Journal of Molecular Graphics*, **1996**, 14, 168-72		4
14	Errors in protein structures. *Nature*, **1996**, 381, 272	50.4	1730
13	Divergent evolution of a beta/alpha-barrel subclass: detection of numerous phosphate-binding sites by motif search. *Protein Science*, **1995**, 4, 268-74	6.3	42
12	The use of position-specific rotamers in model building by homology. *Proteins: Structure, Function and Bioinformatics*, **1995**, 23, 415-21	4.2	126
11	Structural studies on sweet taste inhibitors: lactisole, dl-2(4-methoxyphenoxy)-propanoic acid. *Journal of Molecular Structure*, **1994**, 326, 25-34	3.4	7
10	Reconstruction of symmetry-related molecules from protein data bank (PDB) files. *Journal of Applied Crystallography*, **1994**, 27, 1006-1009	3.8	8
9	Molecular dynamics study of conformational and anomeric equilibria in aqueous D-glucose. *The Journal of Physical Chemistry*, **1993**, 97, 12093-12099		51
8	The structure of 1,6-diazacyclododecane-7,12-dione, a cyclic monomeric model of polyamide 46. *Journal of Crystallographic and Spectroscopic Research*, **1993**, 23, 917-920		5
7	Structural studies on sweet taste inhibitors: methyl-4,6-dichloro-4,6-dideoxygalactopyranoside. *Journal of Molecular Structure*, **1993**, 291, 173-182	3.4	6
6	Use of molecular dynamics methods in conformational analysis. Glycol. A model study. *Journal of Chemical Physics*, **1992**, 97, 3639-3646	3.9	34
5	An adaptive umbrella sampling procedure in conformational analysis using molecular dynamics and its application to glycol. *Journal of Chemical Physics*, **1992**, 97, 6690-6694	3.9	114
4	Structural studies on artificial sweeteners: itN-(4-(1-propyloxy)-phenyl)-urea. *Journal of Molecular Structure*, **1991**, 263, 267-279	3.4	2
3	Structure of racemic 4-isopropenyl-1-cyclohexene-1-carbaldehyde oxime (perillartine). *Acta Crystallographica Section C: Crystal Structure Communications*, **1990**, 46, 1133-1135		0

2	Low-temperature, high-resolution crystal structure study of tricyclo[3.3.1.13,7]decan-2-ol (adamantanol-2). *Journal of Crystallographic and Spectroscopic Research*, **1990**, 20, 123-131	3
1	Software vs. data in the context of citation	10