

# Barend Mons

## List of Publications by Citations

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**Version:** 2024-04-26

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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.

71  
papers

6,271  
citations

28  
h-index

79  
g-index

86  
ext. papers

8,806  
ext. citations

7.1  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
71	The FAIR Guiding Principles for scientific data management and stewardship. <i>Scientific Data</i> , <b>2016</b> , 3, 160018	8.2	4154
70	Open PHACTS: semantic interoperability for drug discovery. <i>Drug Discovery Today</i> , <b>2012</b> , 17, 1188-98	8.8	229
69	Cloudy, increasingly FAIR; revisiting the FAIR Data guiding principles for the European Open Science Cloud. <i>Information Services and Use</i> , <b>2017</b> , 37, 49-56	0.5	138
68	Calling on a million minds for community annotation in WikiProteins. <i>Genome Biology</i> , <b>2008</b> , 9, R89	18.3	101
67	Online tools to support literature-based discovery in the life sciences. <i>Briefings in Bioinformatics</i> , <b>2005</b> , 6, 277-86	13.4	75
66	FAIR Principles: Interpretations and Implementation Considerations. <i>Data Intelligence</i> , <b>2020</b> , 2, 10-29	3	66
65	Generation of chromosome size polymorphism during in vivo mitotic multiplication of <i>Plasmodium berghei</i> involves both loss and addition of subtelomeric repeat sequences. <i>Molecular and Biochemical Parasitology</i> , <b>1990</b> , 41, 73-82	1.9	63
64	<i>Plasmodium berghei</i> : gametocyte production, DNA content, and chromosome-size polymorphisms during asexual multiplication in vivo. <i>Experimental Parasitology</i> , <b>1989</b> , 68, 274-82	2.1	60
63	Text mining for biology--the way forward: opinions from leading scientists. <i>Genome Biology</i> , <b>2008</b> , 9 Suppl 2, S7	18.3	59
62	Word sense disambiguation in the biomedical domain: an overview. <i>Journal of Computational Biology</i> , <b>2005</b> , 12, 554-65	1.7	59
61	<i>Plasmodium vivax</i> : in vitro growth and reinvasion in red blood cells of <i>Aotus nancymai</i> . <i>Experimental Parasitology</i> , <b>1988</b> , 66, 183-8	2.1	58
60	Microattribution and nanopublication as means to incentivize the placement of human genome variation data into the public domain. <i>Human Mutation</i> , <b>2012</b> , 33, 1503-12	4.7	54
59	<i>Plasmodium</i> species: flow cytometry and microfluorometry assessments of DNA content and synthesis. <i>Experimental Parasitology</i> , <b>1987</b> , 64, 88-94	2.1	52
58	Long-term in vitro cultures of <i>Plasmodium berghei</i> and preliminary observations on gametocytogenesis. <i>International Journal for Parasitology</i> , <b>1984</b> , 14, 317-20	4.3	46
57	Constructing an associative concept space for literature-based discovery. <i>Journal of the Association for Information Science and Technology</i> , <b>2004</b> , 55, 436-444		37
56	The complete sequence of a <i>Plasmodium malariae</i> SSUrRNA gene and its comparison to other plasmodial SSUrRNA genes. <i>Molecular and Biochemical Parasitology</i> , <b>1991</b> , 45, 281-8	1.9	37
55	Novel protein-protein interactions inferred from literature context. <i>PLoS ONE</i> , <b>2009</b> , 4, e7894	3.7	37

54	Plasmodium berghei: in vivo generation and selection of karyotype mutants and non-gametocyte producer mutants. <i>Experimental Parasitology</i> , <b>1992</b> , 74, 1-10	2.1	36
53	Bridging the translational innovation gap through good biomarker practice. <i>Nature Reviews Drug Discovery</i> , <b>2017</b> , 16, 587-588	64.1	35
52	Plasmodium berghei: the antimalarial action of artemisinin and sodium artelinate in vivo and in vitro, studied by flow cytometry. <i>Experimental Parasitology</i> , <b>1990</b> , 70, 115-23	2.1	34
51	Text-derived concept profiles support assessment of DNA microarray data for acute myeloid leukemia and for androgen receptor stimulation. <i>BMC Bioinformatics</i> , <b>2007</b> , 8, 14	3.6	33
50	In vitro culture of Plasmodium berghei using a new suspension system. <i>International Journal for Parasitology</i> , <b>1983</b> , 13, 213-7	4.3	31
49	A Generic Workflow for the Data FAIRification Process. <i>Data Intelligence</i> , <b>2020</b> , 2, 56-65	3	30
48	Thesaurus-based disambiguation of gene symbols. <i>BMC Bioinformatics</i> , <b>2005</b> , 6, 149	3.6	30
47	Plasmodium falciparum: studies on mature exoerythrocytic forms in the liver of the chimpanzee, Pan troglodytes. <i>Experimental Parasitology</i> , <b>1990</b> , 70, 1-11	2.1	28
46	Erythrocytic schizogony and invasion of Plasmodium vivax in vitro. <i>International Journal for Parasitology</i> , <b>1988</b> , 18, 307-11	4.3	28
45	Host cell specificity and schizogony of Plasmodium berghei under different in vitro conditions. <i>International Journal for Parasitology</i> , <b>1989</b> , 19, 509-14	4.3	27
44	Automated flow cytometric analysis of drug susceptibility of malaria parasites. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>1990</b> , 43, 602-7	3.2	25
43	Common disease signatures from gene expression analysis in Huntington's disease human blood and brain. <i>Orphanet Journal of Rare Diseases</i> , <b>2016</b> , 11, 97	4.2	24
42	Evaluation of techniques for increasing recall in a dictionary approach to gene and protein name identification. <i>Journal of Biomedical Informatics</i> , <b>2007</b> , 40, 316-24	10.2	22
41	Towards the Tipping Point for FAIR Implementation. <i>Data Intelligence</i> , <b>2020</b> , 2, 264-275	3	22
40	Literature-aided meta-analysis of microarray data: a compendium study on muscle development and disease. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 291	3.6	19
39	Data Stewardship for Open Science		19
38	In silico discovery and experimental validation of new protein-protein interactions. <i>Proteomics</i> , <b>2011</b> , 11, 843-53	4.8	18
37	The Implicitome: A Resource for Rationalizing Gene-Disease Associations. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149621	3.7	18

36	The case for open science: rare diseases. <i>JAMIA Open</i> , <b>2020</b> , 3, 472-486	2.9	17
35	Assignment of protein function and discovery of novel nucleolar proteins based on automatic analysis of MEDLINE. <i>Proteomics</i> , <b>2007</b> , 7, 921-31	4.8	16
34	Databases for knowledge discovery. Examples from biomedicine and health care. <i>International Journal of Medical Informatics</i> , <b>2006</b> , 75, 257-67	5.3	16
33	Partnership between south and north crystallizes around malaria. <i>Science</i> , <b>1998</b> , 279, 498-9	33.3	16
32	Invest 5% of research funds in ensuring data are reusable. <i>Nature</i> , <b>2020</b> , 578, 491	50.4	16
31	Ambiguity of human gene symbols in LocusLink and MEDLINE: creating an inventory and a disambiguation test collection <b>2003</b> , 704-8	0.7	12
30	Querying neXtProt nanopublications and their value for insights on sequence variants and tissue expression. <i>Web Semantics</i> , <b>2014</b> , 29, 3-11	2.9	11
29	Converting neXtProt into Linked Data and nanopublications. <i>Semantic Web</i> , <b>2015</b> , 6, 147-153	2.4	10
28	Nanopublications for exposing experimental data in the life-sciences: a Huntington's Disease case study. <i>Journal of Biomedical Semantics</i> , <b>2015</b> , 6, 5	2.2	10
27	Detection of different developmental stages of malaria parasites by non-radioactive DNA in situ hybridization. <i>The Histochemical Journal</i> , <b>1991</b> , 23, 109-15		10
26	Integrative knowledge management to enhance pharmaceutical R&D. <i>Nature Reviews Drug Discovery</i> , <b>2014</b> , 13, 239-40	64.1	9
25	Integrated Bio-Search: challenges and trends for the integration, search and comprehensive processing of biological information. <i>BMC Bioinformatics</i> , <b>2014</b> , 15 Suppl 1, S2	3.6	9
24	Generic information can retrieve known biological associations: implications for biomedical knowledge discovery. <i>PLoS ONE</i> , <b>2013</b> , 8, e78665	3.7	9
23	Localization of circumsporozoite protein in the sporogonic stages of <i>Plasmodium vivax</i> . <i>Parasitology Research</i> , <b>1992</b> , 78, 165-7	2.4	9
22	FAIR Science for Social Machines: Let's Share Metadata Knowlets in the Internet of FAIR Data and Services. <i>Data Intelligence</i> , <b>2019</b> , 1, 22-42	3	9
21	Nucleotide sequence variation in the beta-tubulin genes from <i>Plasmodium berghei</i> and <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1991</b> , 47, 251-4	1.9	8
20	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. <i>F1000Research</i> , <b>2015</b> , 4, 33	3.6	8
19	The FAIR Principles: First Generation Implementation Choices and Challenges. <i>Data Intelligence</i> , <b>2020</b> , 2, 1-9	3	7

18	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. <i>F1000Research</i> , <b>2015</b> , 4, 33	3.6	7
17	Repository of mutations from Oman: The entry point to a national mutation database. <i>F1000Research</i> , <b>2015</b> , 4, 891	3.6	7
16	The VODAN IN: support of a FAIR-based infrastructure for COVID-19. <i>European Journal of Human Genetics</i> , <b>2020</b> , 28, 724-727	5.3	7
15	Presence of contaminating mitochondrial DNA from host reticulocytes in experimental infections of <i>Plasmodium berghei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1989</b> , 37, 109-13	1.9	4
14	Explain your data by Concept Profile Analysis Web Services. <i>F1000Research</i> , <b>3</b> , 173	3.6	4
13	Research for research: tools for knowledge discovery and visualization <b>2002</b> , 835-9		4
12	In silico knowledge and content tracking. <i>Methods in Molecular Biology</i> , <b>2011</b> , 760, 129-40	1.4	3
11	The ELIXIR channel in F1000Research. <i>F1000Research</i> , <b>2015</b> , 4,	3.6	3
10	Collaboration and the Semantic Web453-466		3
9	Multidisciplinary Collaboration to Facilitate Hypotheses Generation in Huntington's Disease <b>2015</b> ,		2
8	Querying NeXtProt Nanopublications and Their Value for Insights on Sequence Variants and Tissue Expression. <i>SSRN Electronic Journal</i> ,	1	2
7	The ELIXIR channel in F1000Research. <i>F1000Research</i> , <b>2015</b> , 4, 1471	3.6	2
6	Bioinformatics in the Netherlands: the value of a nationwide community. <i>Briefings in Bioinformatics</i> , <b>2019</b> , 20, 540-550	13.4	2
5	Applying the FAIR principles to data in a hospital: challenges and opportunities in a pandemic.. <i>Journal of Biomedical Semantics</i> , <b>2022</b> , 13, 12	2.2	1
4	Comments to Jean-Claude Burgelman's article Politics and Open Science: How the European Open Science Cloud Became Reality (the Untold Story) EOSC is a bigger MEDA and the Dunning Kruger effect. <i>Data Intelligence</i> , <b>2021</b> , 3, 32-39	3	0
3	A Journal for Human and Machine. <i>Data Intelligence</i> , <b>2019</b> , 1, 1-5	3	
2	A putative role for genome-wide epigenetic regulatory mechanisms in Huntington's disease: A computational assessment. <i>F1000Research</i> , <b>6</b> , 1888	3.6	
1	B16 Common disease signatures from gene expression analysis in huntington's disease human blood and brain. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, A14.2-A15	5.5	

