Barend Mons

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9064467/publications.pdf

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77	11,482	159358	85405
papers	citations	30 h-index	71 g-index

86	86	86	22692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The FAIR Guiding Principles for scientific data management and stewardship. Scientific Data, 2016, 3, 160018.	2.4	8,670
2	Open PHACTS: semantic interoperability for drug discovery. Drug Discovery Today, 2012, 17, 1188-1198.	3.2	274
3	Cloudy, increasingly FAIR; revisiting the FAIR Data guiding principles for the European Open Science Cloud. Information Services and Use, 2017, 37, 49-56.	0.1	232
4	FAIR Principles: Interpretations and Implementation Considerations. Data Intelligence, 2020, 2, 10-29.	0.8	149
5	The value of data. Nature Genetics, 2011, 43, 281-283.	9.4	126
6	Calling on a million minds for community annotation in WikiProteins. Genome Biology, 2008, 9, R89.	13.9	117
7	Online tools to support literature-based discovery in the life sciences. Briefings in Bioinformatics, 2005, 6, 277-286.	3.2	90
8	Word Sense Disambiguation in the Biomedical Domain: An Overview. Journal of Computational Biology, 2005, 12, 554-565.	0.8	74
9	Text mining for biology - the way forward: opinions from leading scientists. Genome Biology, 2008, 9, S7.	13.9	74
10	Plasmodium berghei: Gametocyte production, DNA content, and chromosome-size polymorphisms during asexual multiplication in vivo. Experimental Parasitology, 1989, 68, 274-282.	0.5	65
11	Generation of chromosome size polymorphism during in vivo mitotic multiplication of Plasmodium berghei involves both loss and addition of subtelomeric repeat sequences. Molecular and Biochemical Parasitology, 1990, 41, 73-82.	0.5	65
12	Plasmodium vivax: In vitro growth and reinvasion in red blood cells of Aotus nancymai. Experimental Parasitology, 1988, 66, 183-188.	0.5	61
13	Microattribution and nanopublication as means to incentivize the placement of human genome variation data into the public domain. Human Mutation, 2012, 33, 1503-1512.	1.1	59
14	A Generic Workflow for the Data FAIRification Process. Data Intelligence, 2020, 2, 56-65.	0.8	59
15	Plasmodium species: Flow cytometry and microfluorometry assessments of DNA content and synthesis. Experimental Parasitology, 1987, 64, 88-94.	0.5	58
16	Constructing an associative concept space for literature-based discovery. Journal of the Association for Information Science and Technology, 2004, 55, 436-444.	2.6	52
17	Long-term in vitro cultures of Plasmodium berghei and preliminary observations on gametocytogenesis. International Journal for Parasitology, 1984, 14, 317-320.	1.3	49
18	Bridging the translational innovation gap through good biomarker practice. Nature Reviews Drug Discovery, 2017, 16, 587-588.	21.5	48

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19	Improving data and knowledge management to better integrate health care and research. Journal of Internal Medicine, 2013, 274, 321-328.	2.7	44
20	The complete sequence of a Plasmodium malariae SSUrRNA gene and its comparison to other plasmodial SSUrRNA genes. Molecular and Biochemical Parasitology, 1991, 45, 281-288.	0.5	43
21	Novel Protein-Protein Interactions Inferred from Literature Context. PLoS ONE, 2009, 4, e7894.	1.1	41
22	Text-derived concept profiles support assessment of DNA microarray data for acute myeloid leukemia and for androgen receptor stimulation. BMC Bioinformatics, 2007, 8, 14.	1.2	38
23	Erythrocytic schizogony and invasion of Plasmodium vivax in vitro. International Journal for Parasitology, 1988, 18, 307-311.	1.3	37
24	Plasmodium berghei: In vivo generation and selection of karyotype mutants and non-gametocyte producer mutants. Experimental Parasitology, 1992, 74, 1-10.	0.5	37
25	Plasmodium berghei: The antimalarial action of artemisinin and sodium artelinate in vivo and in vitro, studied by flow cytometry. Experimental Parasitology, 1990, 70, 115-123.	0.5	36
26	Thesaurus-based disambiguation of gene symbols. BMC Bioinformatics, 2005, 6, 149.	1.2	36
27	In vitro culture of Plasmodium berghei using a new suspension system. International Journal for Parasitology, 1983, 13, 213-217.	1.3	34
28	Which gene did you mean?. BMC Bioinformatics, 2005, 6, 142.	1.2	34
29	The case for open science: rare diseases. JAMIA Open, 2020, 3, 472-486.	1.0	33
30	Invest 5% of research funds in ensuring data are reusable. Nature, 2020, 578, 491-491.	13.7	33
31	Towards the Tipping Point for FAIR Implementation. Data Intelligence, 2020, 2, 264-275.	0.8	33
32	Data Stewardship for Open Science. , 0, , .		33
33	Common disease signatures from gene expression analysis in Huntingtonâ€™s disease human blood and brain. Orphanet Journal of Rare Diseases, 2016, 11, 97.	1.2	32
34	Host cell specificity and schizogony of Plasmodium berghei under different in vitro conditions. International Journal for Parasitology, 1989, 19, 509-514.	1.3	30
35	Plasmodium falciparum: Studies on mature exoerythrocytic forms in the liver of the chimpanzee, Pan troglodytes. Experimental Parasitology, 1990, 70, 1-11.	0.5	30
36	Evaluation of techniques for increasing recall in a dictionary approach to gene and protein name identification. Journal of Biomedical Informatics, 2007, 40, 316-324.	2.5	30

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37	Automated Flow Cytometric Analysis of Drug Susceptibility of Malaria Parasites. American Journal of Tropical Medicine and Hygiene, 1990, 43, 602-607.	0.6	27
38	The Implicitome: A Resource for Rationalizing Gene-Disease Associations. PLoS ONE, 2016, 11, e0149621.	1.1	22
39	Literature-aided meta-analysis of microarray data: a compendium study on muscle development and disease. BMC Bioinformatics, 2008, 9, 291.	1.2	21
40	Applying the FAIR principles to data in a hospital: challenges and opportunities in a pandemic. Journal of Biomedical Semantics, 2022, 13, 12.	0.9	21
41	In silico discovery and experimental validation of new proteinâ€“protein interactions. Proteomics, 2011, 11, 843-853.	1.3	20
42	The FAIR Principles: First Generation Implementation Choices and Challenges. Data Intelligence, 2020, 2, 1-9.	0.8	19
43	Databases for knowledge discovery. International Journal of Medical Informatics, 2006, 75, 257-267.	1.6	18
44	FAIR Science for Social Machines: Let's Share Metadata Knowlets in the Internet of FAIR Data and Services. Data Intelligence, 2019, 1, 22-42.	0.8	18
45	BIOMEDICINE: Partnership Between South and North Crystallizes Around Malaria. Science, 1998, 279, 498-499.	6.0	17
46	Assignment of protein function and discovery of novel nucleolar proteins based on automatic analysis of MEDLINE. Proteomics, 2007, 7, 921-931.	1.3	16
47	Bioinformatics in the Netherlands: the value of a nationwide community. Briefings in Bioinformatics, 2019, 20, 375-383.	3.2	15
48	Converting neXtProt into Linked Data and nanopublications. Semantic Web, 2015, 6, 147-153.	1.1	13
49	The VODAN IN: support of a FAIR-based infrastructure for COVID-19. European Journal of Human Genetics, 2020, 28, 724-727.	1.4	13
50	Detection of different developmental stages of malaria parasites by non-radioactive DNAin situ hybridization. The Histochemical Journal, 1991, 23, 109-115.	0.6	12
51	Integrative knowledge management to enhance pharmaceutical R&D. Nature Reviews Drug Discovery, 2014, 13, 239-240.	21.5	12
52	Querying neXtProt nanopublications and their value for insights on sequence variants and tissue expression. Web Semantics, 2014, 29, 3-11.	2.2	12
53	Nanopublications for exposing experimental data in the life-sciences: a Huntington's Disease case study. Journal of Biomedical Semantics, 2015, 6, 5.	0.9	12
54	Ambiguity of human gene symbols in LocusLink and MEDLINE: creating an inventory and a disambiguation test collection. AMIA ... Annual Symposium proceedings, 2003, , 704-8.	0.2	12

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55	Localization of circumsporozoite protein in the sporogonic stages ofPlasmodium vivax. Parasitology Research, 1992, 78, 165-167.	0.6	11
56	Integrated Bio-Search: challenges and trends for the integration, search and comprehensive processing of biological information. BMC Bioinformatics, 2014, 15, S2.	1.2	11
57	Generic Information Can Retrieve Known Biological Associations: Implications for Biomedical Knowledge Discovery. PLoS ONE, 2013, 8, e78665.	1.1	10
58	Nucleotide sequence variation in the Î²-tubulin genes from Plasmodium berghei and Plasmodium falciparum. Molecular and Biochemical Parasitology, 1991, 47, 251-254.	0.5	9
59	Repository of mutations from Oman: The entry point to a national mutation database. F1000Research, 2015, 4, 891.	0.8	9
60	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. F1000Research, 2015, 4, 33.	0.8	8
61	FAIR Digital Twins for Data-Intensive Research. Frontiers in Big Data, 2022, 5, .	1.8	8
62	The Dutch Techcentre for Life Sciences: Enabling data-intensive life science research in the Netherlands. F1000Research, 2015, 4, 33.	0.8	7
63	Explain your data by Concept Profile Analysis Web Services. F1000Research, 0, 3, 173.	0.8	5
64	Presence of contaminating mitochondrial DNA from host reticulocytes in experimental infections of Plasmodium berghei. Molecular and Biochemical Parasitology, 1989, 37, 109-113.	0.5	4
65	Research for research: tools for knowledge discovery and visualization. Proceedings, 2002, , 835-9.	0.6	4
66	In Silico Knowledge and Content Tracking. Methods in Molecular Biology, 2011, 760, 129-140.	0.4	3
67	Multidisciplinary Collaboration to Facilitate Hypotheses Generation in Huntington's Disease. , 2015, , .		3
68	The ELIXIR channel in F1000Research. F1000Research, 2015, 4, 1471.	0.8	3
69	Querying NeXtProt Nanopublications and Their Value for Insights on Sequence Variants and Tissue Expression. SSRN Electronic Journal, 0, , .	0.4	2
70	The ELIXIR channel in F1000Research. F1000Research, 2015, 4, 1471.	0.8	2
71	A Journal for Human and Machine. Data Intelligence, 2019, 1, 1-5.	0.8	1
72	Comments to Jean-Claude Burgelman's article Politics and Open Science: How the European Open Science Cloud Became Reality (the Untold Story) â€"â€œEOSC is a bigger MEâ€•and the Dunning Kruger effect. Data Intelligence, 2021, 3, 32-39.	0.8	1

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73	Semantics based biomedical knowledge search, integration and discovery. EMBnet Journal, 2012, 18, 14.	0.2	1
74	Supporting nanopublication provenance. , 2012, , .		0
75	B16â€...Common disease signatures from gene expression analysis in huntingtonâ€™s disease human blood and brain. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A14.2-A15.	0.9	0
76	SCIMOBS: the million minds approach revisited in mobile context. EMBnet Journal, 2013, 19, 14.	0.2	0
77	A putative role for genome-wide epigenetic regulatory mechanisms in Huntingtonâ€™s disease: A computational assessment. F1000Research, 0, 6, 1888.	0.8	0