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List of Publications by Year
in descending order

40 papers	11,017 citations	377584 21 h-index	355658 38 g-index
51 all docs	51 docs citations	51 times ranked	25192 citing authors

#	Article	IF	Citations
1	Ten simple rules for making a vocabulary FAIR. PLoS Computational Biology, 2021, 17, e1009041.	1.5	21
2	ISA API: An open platform for interoperable life science experimental metadata. GigaScience, 2021, 10, .	3.3	19
3	Community standards for open cell migration data. GigaScience, 2020, 9, .	3.3	12
4	The Data Tags Suite (DATS) model for discovering data access and use requirements. GigaScience, 2020, 9, .	3.3	9
5	Semantic concept schema of the linear mixed model of experimental observations. Scientific Data, 2020, 7, 70.	2.4	8
6	Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. Wellcome Open Research, 2020, 5, 267.	0.9	11
7	Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group. Wellcome Open Research, 2020, 5, 267.	0.9	6
8	Interoperable and scalable data analysis with microservices: applications in metabolomics. Bioinformatics, 2019, 35, 3752-3760.	1.8	22
9	FAIRsharing as a community approach to standards, repositories and policies. Nature Biotechnology, 2019, 37, 358-367.	9.4	228
10	Editorial: Special Issue on Scholarly Data Analysis (Semantics, Analytics, Visualisation). Data Science, 2019, 2, 177-179.	0.7	1
11	PhenoMeNal: processing and analysis of metabolomics data in the cloud. GigaScience, 2019, 8, .	3.3	60
12	DataMed â€" an open source discovery index for finding biomedical datasets. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 300-308.	2.2	54
13	Data discovery with DATS: exemplar adoptions and lessons learned. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 13-16.	2.2	5
14	Finding useful data across multiple biomedical data repositories using DataMed. Nature Genetics, 2017, 49, 816-819.	9.4	77
15	DATS, the data tag suite to enable discoverability of datasets. Scientific Data, 2017, 4, 170059.	2.4	67
16	Four simple recommendations to encourage best practices in research software. F1000Research, 2017, 6, 876.	0.8	88
17	The future of metabolomics in ELIXIR. F1000Research, 2017, 6, 1649.	0.8	19
18	The future of metabolomics in ELIXIR. F1000Research, 2017, 6, 1649.	0.8	11

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19	Identifiers for the 21st century: How to design, provision, and reuse persistent identifiers to maximize utility and impact of life science data. PLoS Biology, 2017, 15, e2001414.	2.6	97
20	The Ontology for Biomedical Investigations. PLoS ONE, 2016, 11, e0154556.	1.1	217
21	BioSharing: curated and crowd-sourced metadata standards, databases and data policies in the life sciences. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw075.	1.4	84
22	The FAIR Guiding Principles for scientific data management and stewardship. Scientific Data, 2016, 3, 160018.	2.4	8,670
23	Data standards can boost metabolomics research, and if there is a will, there is a way. Metabolomics, 2016, 12, 14.	1.4	97
24	The health care and life sciences community profile for dataset descriptions. PeerJ, 2016, 4, e2331.	0.9	18
25	Hybrid service matchmaking in ambient assisted living environments based on context-aware service modeling. Cluster Computing, 2015, 18, 1171-1188.	3.5	8
26	The center for expanded data annotation and retrieval. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1148-1152.	2.2	74
27	From Peer-Reviewed to Peer-Reproduced in Scholarly Publishing: The Complementary Roles of Data Models and Workflows in Bioinformatics. PLoS ONE, 2015, 10, e0127612.	1.1	27
28	The Risa R/Bioconductor package: integrative data analysis from experimental metadata and back again. BMC Bioinformatics, 2014, 15, S11.	1.2	22
29	EBI metagenomicsâ€"a new resource for the analysis and archiving of metagenomic data. Nucleic Acids Research, 2014, 42, D600-D606.	6.5	127
30	linkedISA: semantic representation of ISA-Tab experimental metadata. BMC Bioinformatics, 2014, 15, S4.	1.2	49
31	OntoMaton: a Bioportal powered ontology widget for Google Spreadsheets. Bioinformatics, 2013, 29, 525-527.	1.8	49
32	MetaboLightsâ€"an open-access general-purpose repository for metabolomics studies and associated meta-data. Nucleic Acids Research, 2013, 41, D781-D786.	6.5	578
33	The MetaboLights repository: curation challenges in metabolomics. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat029.	1.4	46
34	Bio-GraphIIn: a graph-based, integrative and semantically-enabled repository for life science experimental data. EMBnet Journal, 2013, 19, 46.	0.2	9
35	Guidelines for information about therapy experiments: a proposal on best practice for recording experimental data on cancer therapy. BMC Research Notes, 2012, 5, 10.	0.6	1
36	Establishing a knowledge trail from molecular experiments to clinical trials. New Biotechnology, 2011, 28, 464-480.	2.4	2

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37	Meeting Report from the Second â€œMinimum Information for Biological and Biomedical Investigationsâ€• (MIBBI) workshop. Standards in Genomic Sciences, 2010, 3, 259-266.	1.5	32
38	Range queries over skip tree graphs. Computer Communications, 2008, 31, 358-374.	3.1	25
39	Radical collaboration during a global health emergency: development of the RDA COVID-19 data sharing recommendations and guidelines. Open Research Europe, 0, 1, 69.	2.0	3
40	COPO: a metadata platform for brokering FAIR data in the life sciences. F1000Research, 0, 9, 495.	0.8	27