MÃ©lanie Courtot

List of Publications by Year
in descending order

35 papers	6,000 citations	257101 24 h-index	414034 32 g-index
39 all docs	39 docs citations	39 times ranked	9654 citing authors

#	Article	IF	Citations
1	CARD 2017: expansion and model-centric curation of the comprehensive antibiotic resistance database. Nucleic Acids Research, 2017, 45, D566-D573.	6.5	2,063
2	The Systems Biology Graphical Notation. Nature Biotechnology, 2009, 27, 735-741.	9.4	828
3	BioModels Database: a free, centralized database of curated, published, quantitative kinetic models of biochemical and cellular systems. Nucleic Acids Research, 2006, 34, D689-D691.	6.5	661
4	Controlled vocabularies and semantics in systems biology. Molecular Systems Biology, 2011, 7, 543.	3.2	246
5	The Ontology for Biomedical Investigations. PLoS ONE, 2016, 11, e0154556.	1.1	217
6	Modeling biomedical experimental processes with OBI. Journal of Biomedical Semantics, 2010, 1, S7.	0.9	207
7	Finding Our Way through Phenotypes. PLoS Biology, 2015, 13, e1002033.	2.6	178
8	<scp>SBML</scp> Level 3: an extensible format for the exchange and reuse of biological models. Molecular Systems Biology, 2020, 16, e9110.	3.2	178
9	FAIR Principles: Interpretations and Implementation Considerations. Data Intelligence, 2020, 2, 10-29.	0.8	149
10	OntoFox: web-based support for ontology reuse. BMC Research Notes, 2010, 3, 175.	0.6	145
11	Structural genomics on membrane proteins: comparison of more than 100 GPCRs in 3 expression systems. Journal of Structural and Functional Genomics, 2007, 7, 77-91.	1.2	111
12	Ontobee: A linked ontology data server to support ontology term dereferencing, linkage, query and integration. Nucleic Acids Research, 2017, 45, D347-D352.	6.5	110
13	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
14	The European Nucleotide Archive in 2020. Nucleic Acids Research, 2021, 49, D82-D85.	6.5	96
15	GA4GH: International policies and standards for data sharing across genomic research and healthcare. Cell Genomics, 2021, 1, 100029.	3.0	94
16	MIREOT: The minimum information to reference an external ontology term. Applied Ontology, 2011, 6, 23-33.	1.0	78
17	OBO Foundry in 2021: operationalizing open data principles to evaluate ontologies. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	1.4	77
18	Prospects for Fungal Bioremediation of Acidic Radioactive Waste Sites: Characterization and Genome Sequence of Rhodotorula taiwanensis MD1149. Frontiers in Microbiology, 2017, 8, 2528.	1.5	53

#	Article	IF	Citations
19	BioModels.net Web Services, a free and integrated toolkit for computational modelling software. Briefings in Bioinformatics, 2010, 11, 270-277.	3.2	50
20	BioSamples database: an updated sample metadata hub. Nucleic Acids Research, 2019, 47, D1172-D1178.	6.5	46
21	Dead simple OWL design patterns. Journal of Biomedical Semantics, 2017, 8, 18.	0.9	39
22	The GA4GH Phenopacket schema defines a computable representation of clinical data. Nature Biotechnology, 2022, 40, 817-820.	9.4	38
23	The Data Use Ontology to streamline responsible access to human biomedical datasets. Cell Genomics, 2021, 1, 100028.	3.0	31
24	BioSamples database: FAIRer samples metadata to accelerate research data management. Nucleic Acids Research, 2022, 50, D1500-D1507.	6.5	28
25	flowCL: ontology-based cell population labelling in flow cytometry. Bioinformatics, 2015, 31, 1337-1339.	1.8	25
26	VO: Vaccine Ontology. Nature Precedings, 0, , .	0.1	21
27	From data repositories to submission portals: rethinking the role of domain-specific databases in CollecTF. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw055.	1.4	20
28	GA4GH Passport standard for digital identity and access permissions. Cell Genomics, 2021, 1, 100030.	3.0	18
29	Empirical validation of an automated approach to data use oversight. Cell Genomics, 2021, 1, 100031.	3.0	17
30	The Logic of Surveillance Guidelines: An Analysis of Vaccine Adverse Event Reports from an Ontological Perspective. PLoS ONE, 2014, 9, e92632.	1.1	10
31	Overcoming the ontology enrichment bottleneck with Quick Term Templates. Applied Ontology, 2011, 6, 13-22.	1.0	7
32	Overcoming the Ontology Enrichment Bottleneck with Quick Term Templates. Nature Precedings, 0, , .	0.1	6
33	Recommendations for the formatting of Variant Call Format (VCF) files to make plant genotyping data FAIR. F1000Research, 0, 11, 231.	0.8	4
34	Recommendations for the formatting of Variant Call Format (VCF) files to make plant genotyping data FAIR. F1000Research, 0, 11, 231.	0.8	2
35	ELIXIR biovalidator for semantic validation of life science metadata. Bioinformatics, 2022, 38, 3141-3142.	1.8	1