

Alexander D Diehl

List of Publications by Citations

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Version: 2024-04-28

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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.

37
papers

5,698
citations

25
h-index

42
g-index

42
ext. papers

7,928
ext. citations

10.5
avg, IF

5.92
L-index

#	Paper	IF	Citations
37	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014 , 507, 462-70	50.4	1301
36	The Gene Ontology (GO) project in 2006. <i>Nucleic Acids Research</i> , 2006 , 34, D322-6	20.1	794
35	The Gene Ontology project in 2008. <i>Nucleic Acids Research</i> , 2008 , 36, D440-4	20.1	564
34	The Gene Ontology resource: enriching a GOld mine. <i>Nucleic Acids Research</i> , 2021 , 49, D325-D334	20.1	494
33	Gateways to the FANTOM5 promoter level mammalian expression atlas. <i>Genome Biology</i> , 2015 , 16, 22	18.3	443
32	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. <i>Science</i> , 2015 , 347, 1010-4	33.3	384
31	The Gene Ontology in 2010: extensions and refinements. <i>Nucleic Acids Research</i> , 2010 , 38, D331-5	20.1	367
30	The Mouse Genome Database (MGD): from genes to mice--a community resource for mouse biology. <i>Nucleic Acids Research</i> , 2005 , 33, D471-5	20.1	191
29	Impaired immune responses and altered peptide repertoire in tapasin-deficient mice. <i>Nature Immunology</i> , 2000 , 1, 234-8	19.1	158
28	The Cell Ontology 2016: enhanced content, modularization, and ontology interoperability. <i>Journal of Biomedical Semantics</i> , 2016 , 7, 44	2.2	111
27	Logical development of the cell ontology. <i>BMC Bioinformatics</i> , 2011 , 12, 6	3.6	102
26	Emergence of CD8+ T cells expressing NK cell receptors in influenza A virus-infected mice. <i>Journal of Immunology</i> , 2000 , 165, 4964-9	5.3	94
25	The Mouse Genome Database genotypes::phenotypes. <i>Nucleic Acids Research</i> , 2009 , 37, D712-9	20.1	92
24	CLO: The cell line ontology. <i>Journal of Biomedical Semantics</i> , 2014 , 5, 37	2.2	70
23	Protein Ontology: a controlled structured network of protein entities. <i>Nucleic Acids Research</i> , 2014 , 42, D415-21	20.1	54
22	Protein Ontology (PRO): enhancing and scaling up the representation of protein entities. <i>Nucleic Acids Research</i> , 2017 , 45, D339-D346	20.1	45
21	Selective targeting of habenular, thalamic midline and monoaminergic brainstem neurons by neurotropic influenza A virus in mice. <i>Journal of Neurovirology</i> , 1999 , 5, 355-62	3.9	43

20	Cell type discovery using single-cell transcriptomics: implications for ontological representation. <i>Human Molecular Genetics</i> , 2018 , 27, R40-R47	5.6	41
19	Ontology development for biological systems: immunology. <i>Bioinformatics</i> , 2007 , 23, 913-5	7.2	41
18	Novel sequence feature variant type analysis of the HLA genetic association in systemic sclerosis. <i>Human Molecular Genetics</i> , 2010 , 19, 707-19	5.6	33
17	A unified anatomy ontology of the vertebrate skeletal system. <i>PLoS ONE</i> , 2012 , 7, e51070	3.7	32
16	Access to immunology through the Gene Ontology. <i>Immunology</i> , 2008 , 125, 154-60	7.8	29
15	Hematopoietic cell types: prototype for a revised cell ontology. <i>Journal of Biomedical Informatics</i> , 2011 , 44, 75-9	10.2	28
14	How the gene ontology evolves. <i>BMC Bioinformatics</i> , 2011 , 12, 325	3.6	28
13	An improved ontological representation of dendritic cells as a paradigm for all cell types. <i>BMC Bioinformatics</i> , 2009 , 10, 70	3.6	25
12	The neurological disease ontology. <i>Journal of Biomedical Semantics</i> , 2013 , 4, 42	2.2	24
11	The identification of a common pathogen-specific HLA class I A*0201-restricted cytotoxic T cell epitope encoded within the heat shock protein 65. <i>European Journal of Immunology</i> , 2001 , 31, 3602-11	6.1	24
10	Modelling kidney disease using ontology: insights from the Kidney Precision Medicine Project. <i>Nature Reviews Nephrology</i> , 2020 , 16, 686-696	14.9	17
9	Muscle Research and Gene Ontology: New standards for improved data integration. <i>BMC Medical Genomics</i> , 2009 , 2, 6	3.7	16
8	flowCL: ontology-based cell population labelling in flow cytometry. <i>Bioinformatics</i> , 2015 , 31, 1337-9	7.2	15
7	Ontology based molecular signatures for immune cell types via gene expression analysis. <i>BMC Bioinformatics</i> , 2013 , 14, 263	3.6	11
6	OBO Foundry in 2021: operationalizing open data principles to evaluate ontologies. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	7
5	Representing vision and blindness. <i>Journal of Biomedical Semantics</i> , 2016 , 7, 15	2.2	6
4	OSCI: standardized stem cell ontology representation and use cases for stem cell investigation. <i>BMC Bioinformatics</i> , 2019 , 20, 180	3.6	4
3	Reporting and connecting cell type names and gating definitions through ontologies. <i>BMC Bioinformatics</i> , 2019 , 20, 182	3.6	3

2	An ontology for representing hematologic malignancies: the cancer cell ontology. <i>BMC Bioinformatics</i> , 2019 , 20, 181	3.6	3
1	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. <i>Nature Communications</i> , 2021 , 12, 3297	17.4	3