

Alex Gutteridge

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,305
citations

430754

18
h-index

677027

22
g-index

25
all docs

25
docs citations

25
times ranked

3525
citing authors

#	ARTICLE	IF	CITATIONS
1	Network and pathway expansion of genetic disease associations identifies successful drug targets. <i>Scientific Reports</i> , 2020, 10, 20970.	1.6	10
2	Benchmarking network propagation methods for disease gene identification. <i>PLoS Computational Biology</i> , 2019, 15, e1007276.	1.5	30
3	Directing Differentiation of Pluripotent Stem Cells Toward Retinal Pigment Epithelium Lineage. <i>Stem Cells Translational Medicine</i> , 2017, 6, 490-501.	1.6	43
4	Interpreting transcriptional changes using causal graphs: new methods and their practical utility on public networks. <i>BMC Bioinformatics</i> , 2016, 17, 318.	1.2	28
5	Targeting the cAMP and Transforming Growth Factor- β Pathway Increases Proliferation to Promote Re-Epithelialization of Human Stem Cell-Derived Retinal Pigment Epithelium. <i>Stem Cells Translational Medicine</i> , 2016, 5, 925-937.	1.6	14
6	Pharmacological reversal of a pain phenotype in iPSC-derived sensory neurons and patients with inherited erythromelalgia. <i>Science Translational Medicine</i> , 2016, 8, 335ra56.	5.8	154
7	Characterizing Human Stem Cell-derived Sensory Neurons at the Single-cell Level Reveals Their Ion Channel Expression and Utility in Pain Research. <i>Molecular Therapy</i> , 2014, 22, 1530-1543.	3.7	127
8	Molecular causes of transcriptional response: a Bayesian prior knowledge approach. <i>Bioinformatics</i> , 2013, 29, 3167-3173.	1.8	15
9	Novel Pancreatic Endocrine Maturation Pathways Identified by Genomic Profiling and Causal Reasoning. <i>PLoS ONE</i> , 2013, 8, e56024.	1.1	14
10	Directing Differentiation of Human Embryonic Stem Cells Toward Anterior Neural Ectoderm Using Small Molecules. <i>Stem Cells</i> , 2012, 30, 1875-1884.	1.4	61
11	The genetic control of growth rate: a systems biology study in yeast. <i>BMC Systems Biology</i> , 2012, 6, 4.	3.0	49
12	Functional Expression of Parasite Drug Targets and Their Human Orthologs in Yeast. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1320.	1.3	29
13	The DBCLS BioHackathon: standardization and interoperability for bioinformatics web services and workflows. <i>Journal of Biomedical Semantics</i> , 2010, 1, 8.	0.9	31
14	Nutrient control of eukaryote cell growth: a systems biology study in yeast. <i>BMC Biology</i> , 2010, 8, 68.	1.7	89
15	Prediction of drug-target interaction networks from the integration of chemical and genomic spaces. <i>Bioinformatics</i> , 2008, 24, i232-i240.	1.8	864
16	Regulation of metabolic networks by small molecule metabolites. <i>BMC Bioinformatics</i> , 2007, 8, 88.	1.2	23
17	MIMOX: a web tool for phage display based epitope mapping. <i>BMC Bioinformatics</i> , 2006, 7, 451.	1.2	82
18	Understanding nature's catalytic toolkit. <i>Trends in Biochemical Sciences</i> , 2005, 30, 622-629.	3.7	177

#	ARTICLE	IF	CITATIONS
19	Effective function annotation through catalytic residue conservation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12299-12304.	3.3	55
20	Conformational Changes Observed in Enzyme Crystal Structures upon Substrate Binding. Journal of Molecular Biology, 2005, 346, 21-28.	2.0	153
21	Conformational change in substrate binding, catalysis and product release: an open and shut case?. FEBS Letters, 2004, 567, 67-73.	1.3	86
22	Using A Neural Network and Spatial Clustering to Predict the Location of Active Sites in Enzymes. Journal of Molecular Biology, 2003, 330, 719-734.	2.0	167