

Pablo Meyer

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,667
citations

516710

16
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

3131
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-centered explainability for life sciences, healthcare, and medical informatics. <i>Patterns</i> , 2022, 3, 100493.	5.9	9
2	Advances in systems biology modeling: 10 years of crowdsourcing DREAM challenges. <i>Cell Systems</i> , 2021, 12, 636-653.	6.2	21
3	Benchmarked approaches for reconstruction of in vitro cell lineages and in silico models of <i>C. elegans</i> and <i>M. musculus</i> developmental trees. <i>Cell Systems</i> , 2021, 12, 810-826.e4.	6.2	36
4	Impairments in odour detection and hedonic ratings of unpleasant smells in asymptomatic university students as SARS-CoV-2 emerged locally. <i>European Journal of Neuroscience</i> , 2021, 54, 6256-6266.	2.6	3
5	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. <i>Chemical Senses</i> , 2021, 46, .	2.0	119
6	More Than Smell COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. <i>Chemical Senses</i> , 2020, 45, 609-622.	2.0	375
7	Gene selection for optimal prediction of cell position in tissues from single-cell transcriptomics data. <i>Life Science Alliance</i> , 2020, 3, e202000867.	2.8	20
8	Leveraging crowdsourcing to accelerate global health solutions. <i>Nature Biotechnology</i> , 2019, 37, 848-850.	17.5	36
9	Mitochondrial origins of fractional control in regulated cell death. <i>Nature Communications</i> , 2019, 10, 1313.	12.8	30
10	Predicting natural language descriptions of mono-molecular odorants. <i>Nature Communications</i> , 2018, 9, 4979.	12.8	34
11	Predicting human olfactory perception from chemical features of odor molecules. <i>Science</i> , 2017, 355, 820-826.	12.6	194
12	Rethinking cancer: current challenges and opportunities in cancer research. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 349-352.	2.4	50
13	Crowdsourcing biomedical research: leveraging communities as innovation engines. <i>Nature Reviews Genetics</i> , 2016, 17, 470-486.	16.3	137
14	Inter-species prediction of protein phosphorylation in the sbv IMPROVER species translation challenge. <i>Bioinformatics</i> , 2015, 31, 453-461.	4.1	9
15	Understanding the limits of animal models as predictors of human biology: lessons learned from the sbv IMPROVER Species Translation Challenge. <i>Bioinformatics</i> , 2015, 31, 471-483.	4.1	57
16	Inter-species inference of gene set enrichment in lung epithelial cells from proteomic and large transcriptomic datasets. <i>Bioinformatics</i> , 2015, 31, 492-500.	4.1	3
17	Summary of the DREAM8 Parameter Estimation Challenge: Toward Parameter Identification for Whole-Cell Models. <i>PLoS Computational Biology</i> , 2015, 11, e1004096.	3.2	35
18	Advances in systems biology " New trends and perspectives. <i>Computational Biology and Chemistry</i> , 2015, 59, 1-2.	2.3	0

#	ARTICLE	IF	CITATIONS
19	Enzyme function is regulated by its localization. Computational Biology and Chemistry, 2015, 59, 113-122.	2.3	7
20	DREAMTools: a Python package for scoring collaborative challenges. F1000Research, 2015, 4, 1030.	1.6	14
21	DREAMTools: a Python package for scoring collaborative challenges. F1000Research, 2015, 4, 1030.	1.6	16
22	Spatial localization of the first and last enzymes effectively connects active metabolic pathways in bacteria. BMC Systems Biology, 2014, 8, 131.	3.0	13
23	Localization of aggregating proteins in bacteria depends on the rate of addition. Frontiers in Microbiology, 2014, 5, 418.	3.5	8
24	Network topology and parameter estimation: from experimental design methods to gene regulatory network kinetics using a community based approach. BMC Systems Biology, 2014, 8, 13.	3.0	62
25	Inferring gene expression from ribosomal promoter sequences, a crowdsourcing approach. Genome Research, 2013, 23, 1928-1937.	5.5	12
26	Industrial methodology for process verification in research (IMPROVER): toward systems biology verification. Bioinformatics, 2012, 28, 1193-1201.	4.1	49
27	Cell wall synthesis is necessary for membrane dynamics during sporulation of <i>Bacillus subtilis</i> . Molecular Microbiology, 2010, 76, 956-970.	2.5	68
28	The 2006 Pittendrigh/Aschoff Lecture: New Roles for Old Proteins in the <i>Drosophila</i> Circadian Clock. Journal of Biological Rhythms, 2007, 22, 283-290.	2.6	4
29	Applications of fluorescence microscopy to single bacterial cells. Research in Microbiology, 2007, 158, 187-194.	2.1	34
30	PER-TIM Interactions in Living <i>Drosophila</i> Cells: An Interval Timer for the Circadian Clock. Science, 2006, 311, 226-229.	12.6	167