Pablo Meyer

List of Publications by Year
in descending order

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	More Than Smell—COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. Chemical Senses, 2020, 45, 609-622.	2.0	375
2	Predicting human olfactory perception from chemical features of odor molecules. Science, 2017, 355, 820-826.	12.6	194
3	PER-TIM Interactions in Living Drosophila Cells: An Interval Timer for the Circadian Clock. Science, 2006, 311, 226-229.	12.6	167
4	Crowdsourcing biomedical research: leveraging communities as innovation engines. Nature Reviews Genetics, 2016, 17, 470-486.	16.3	137
5	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. Chemical Senses, 2021, 46, .	2.0	119
6	Cell wall synthesis is necessary for membrane dynamics during sporulation of <i>Bacillus subtilis</i>. Molecular Microbiology, 2010, 76, 956-970.	2.5	68
7	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
8	Understanding the limits of animal models as predictors of human biology: lessons learned from the sbv IMPROVER Species Translation Challenge. Bioinformatics, 2015, 31, 471-483.	4.1	57
9	Rethinking cancer: current challenges and opportunities in cancer research. DMM Disease Models and Mechanisms, 2017, 10, 349-352.	2.4	50
10	Industrial methodology for process verification in research (IMPROVER): toward systems biology verification. Bioinformatics, 2012, 28, 1193-1201.	4.1	49
11	Leveraging crowdsourcing to accelerate global health solutions. Nature Biotechnology, 2019, 37, 848-850.	17.5	36
12	Benchmarked approaches for reconstruction of inÂvitro cell lineages and in silico models of C. elegans and M. musculus developmental trees. Cell Systems, 2021, 12, 810-826.e4.	6.2	36
13	Summary of the DREAM8 Parameter Estimation Challenge: Toward Parameter Identification for Whole-Cell Models. PLoS Computational Biology, 2015, 11, e1004096.	3.2	35
14	Applications of fluorescence microscopy to single bacterial cells. Research in Microbiology, 2007, 158, 187-194.	2.1	34
15	Predicting natural language descriptions of mono-molecular odorants. Nature Communications, 2018, 9, 4979.	12.8	34
16	Mitochondrial origins of fractional control in regulated cell death. Nature Communications, 2019, 10, 1313.	12.8	30
17	Advances in systems biology modeling: 10 years of crowdsourcing DREAM challenges. Cell Systems, 2021, 12, 636-653.	6.2	21
18	Gene selection for optimal prediction of cell position in tissues from single-cell transcriptomics data. Life Science Alliance, 2020, 3, e202000867.	2.8	20

#	Article	IF	Citations
19	DREAMTools: a Python package for scoring collaborative challenges. F1000Research, 2015, 4, 1030.	1.6	16
20	DREAMTools: a Python package for scoring collaborative challenges. F1000Research, 2015, 4, 1030.	1.6	14
21	Spatial localization of the first and last enzymes effectively connects active metabolic pathways in bacteria. BMC Systems Biology, 2014, 8, 131.	3.0	13
22	Inferring gene expression from ribosomal promoter sequences, a crowdsourcing approach. Genome Research, 2013, 23, 1928-1937.	5.5	12
23	Inter-species prediction of protein phosphorylation in the sbv IMPROVER species translation challenge. Bioinformatics, 2015, 31, 453-461.	4.1	9
24	Human-centered explainability for life sciences, healthcare, and medical informatics. Patterns, 2022, 3, 100493.	5.9	9
25	Localization of aggregating proteins in bacteria depends on the rate of addition. Frontiers in Microbiology, 2014, 5, 418.	3.5	8
26	Enzyme function is regulated by its localization. Computational Biology and Chemistry, 2015, 59, 113-122.	2.3	7
27	The 2006 Pittendrigh/Aschoff Lecture: New Roles for Old Proteins in the *Drosophila* Circadian Clock. Journal of Biological Rhythms, 2007, 22, 283-290.	2.6	4
28	Inter-species inference of gene set enrichment in lung epithelial cells from proteomic and large transcriptomic datasets. Bioinformatics, 2015, 31, 492-500.	4.1	3
29	Impairments in odour detection and hedonic ratings of unpleasant smells in asymptomatic university students as SARSâ€Covâ€2 emerged locally. European Journal of Neuroscience, 2021, 54, 6256-6266.	2.6	3
30	Advances in systems biology â€" New trends and perspectives. Computational Biology and Chemistry, 2015, 59, 1-2.	2.3	0