

Joshua A Lerman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7361226/publications.pdf>

Version: 2024-02-01

17
papers

4,948
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

4824
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-omic data integration enables discovery of hidden biological regularities. <i>Nature Communications</i> , 2016, 7, 13091.	12.8	141
2	BiGG Models: A platform for integrating, standardizing and sharing genome-scale models. <i>Nucleic Acids Research</i> , 2016, 44, D515-D522.	14.5	746
3	Do genome-scale models need exact solvers or clearer standards?. <i>Molecular Systems Biology</i> , 2015, 11, 831.	7.2	68
4	Determining the Control Circuitry of Redox Metabolism at the Genome-Scale. <i>PLoS Genetics</i> , 2014, 10, e1004264.	3.5	67
5	Reconstruction and modeling protein translocation and compartmentalization in <i>Escherichia coli</i> at the genome-scale. <i>BMC Systems Biology</i> , 2014, 8, 110.	3.0	81
6	Genome-scale models of metabolism and gene expression extend and refine growth phenotype prediction. <i>Molecular Systems Biology</i> , 2013, 9, 693.	7.2	411
7	COBRAPy: COstraints-Based Reconstruction and Analysis for Python. <i>BMC Systems Biology</i> , 2013, 7, 74.	3.0	973
8	The Genome Organization of <i>Thermotoga maritima</i> Reflects Its Lifestyle. <i>PLoS Genetics</i> , 2013, 9, e1003485.	3.5	38
9	Reconciling a <i>Salmonella enterica</i> metabolic model with experimental data confirms that overexpression of the glyoxylate shunt can rescue a lethal <i>ppc</i> deletion mutant. <i>FEMS Microbiology Letters</i> , 2013, 342, 62-69.	1.8	16
10	Genome-scale metabolic reconstructions of multiple <i>Escherichia coli</i> strains highlight strain-specific adaptations to nutritional environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20338-20343.	7.1	270
11	Network Context and Selection in the Evolution to Enzyme Specificity. <i>Science</i> , 2012, 337, 1101-1104.	12.6	249
12	Raloxifene attenuates <i>Pseudomonas aeruginosa</i> pyocyanin production and virulence. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 246-251.	2.5	79
13	In silico method for modelling metabolism and gene product expression at genome scale. <i>Nature Communications</i> , 2012, 3, 929.	12.8	238
14	An experimentally-supported genome-scale metabolic network reconstruction for <i>Yersinia pestis</i> CO92. <i>BMC Systems Biology</i> , 2011, 5, 163.	3.0	38
15	A comprehensive genome-scale reconstruction of <i>Escherichia coli</i> metabolism—2011. <i>Molecular Systems Biology</i> , 2011, 7, 535.	7.2	917
16	Omic data from evolved <i>E. coli</i> are consistent with computed optimal growth from genome-scale models. <i>Molecular Systems Biology</i> , 2010, 6, 390.	7.2	615
17	Topping Off a Multiscale Balancing Act. <i>Science</i> , 2010, 330, 1058-1059.	12.6	1