Rainer Machne

List of Publications by Year
in descending order

16 papers	**828** citations	933447 **10** h-index	1058476 **14** g-index
23 all docs	**23** docs citations	**23** times ranked	**1408** citing authors

#	Article	IF	Citations
1	Controlled vocabularies and semantics in systems biology. Molecular Systems Biology, 2011, 7, 543.	7.2	246
2	SBML Level 3: an extensible format for the exchange and reuse of biological models. Molecular Systems Biology, 2020, 16, e9110.	7.2	178
3	The SBML ODE Solver Library: a native API for symbolic and fast numerical analysis of reaction networks. Bioinformatics, 2006, 22, 1406-1407.	4.1	88
4	Evolutionary footprints of nucleosome positions in yeast. Trends in Genetics, 2008, 24, 583-587.	6.7	70
5	The Future of Origin of Life Research: Bridging Decades-Old Divisions. Life, 2020, 10, 20.	2.4	63
6	Modelling cyanobacteria: from metabolism to integrative models of phototrophic growth. Journal of Experimental Botany, 2012, 63, 2259-2274.	4.8	45
7	The Yin and Yang of Yeast Transcription: Elements of a Global Feedback System between Metabolism and Chromatin. PLoS ONE, 2012, 7, e37906.	2.5	42
8	How cyanobacteria pose new problems to old methods: challenges in microarray time series analysis. BMC Bioinformatics, 2013, 14, 133.	2.6	21
9	Similarity-Based Segmentation of Multi-Dimensional Signals. Scientific Reports, 2017, 7, 12355.	3.3	15
10	Mapping the RNA-Seq trash bin. RNA Biology, 2013, 10, 1204-1210.	3.1	13
11	The structural code of cyanobacterial genomes. Nucleic Acids Research, 2014, 42, 8873-8883.	14.5	11
12	The dynamics of cellular energetics during continuous yeast culture. , 2013, 2013, 2708-11.		9
13	Time resolved DNA occupancy dynamics during the respiratory oscillation uncover a global reset point in the yeast growth program. Microbial Cell, 2014, 1, 279-288.	3.2	9
14	Temporal Partitioning of the Yeast Cellular Network. Springer Series in Biophysics, 2014, , 323-349.	0.4	8
15	A new dynamic model for highly efficient mass transfer in aerated bioreactors and consequences for $k_L a$ identification. Biotechnology and Bioengineering, 2012, 109, 2997-3006.	3.3	5
16	Weighted Consensus Segmentations. Computation, 2021, 9, 17.	2.0	0