Takahiro G Yamada

List of Publications by Year
in descending order

22 papers	365 citations	1307594 7 h-index	940533 16 g-index
31 all docs	31 docs citations	31 times ranked	687 citing authors

#	Article	IF	Citations
1	High quality genome assembly of the anhydrobiotic midge provides insights on a single chromosome-based emergence of extreme desiccation tolerance. NAR Genomics and Bioinformatics, 2022, 4, lqac029.	3.2	6
2	Temperature elevation detection in migrating cells. , 2022, 1, 1085.		2
3	Symbolic Integration by Integrating Learning Models With Different Strengths and Weaknesses. IEEE Access, 2022, 10, 47000-47010.	4.2	1
4	Genome-Wide Role of HSF1 in Transcriptional Regulation of Desiccation Tolerance in the Anhydrobiotic Cell Line, Pv11. International Journal of Molecular Sciences, 2021, 22, 5798.	4.1	6
5	COVID19 Disease Map, a computational knowledge repository of virus–host interaction mechanisms. Molecular Systems Biology, 2021, 17, e10387.	7.2	53
6	SBMLWebApp: Web-Based Simulation, Steady-State Analysis, and Parameter Estimation of Systems Biology Models. Processes, 2021, 9, 1830.	2.8	0
7	Cas9-mediated genome editing reveals a significant contribution of calcium signaling pathways to anhydrobiosis in Pv11 cells. Scientific Reports, 2021, 11, 19698.	3.3	5
8	3D convolutional neural networks-based segmentation to acquire quantitative criteria of the nucleus during mouse embryogenesis. Npj Systems Biology and Applications, 2020, 6, 32.	3.0	30
9	Direct Cell Counting Using Macro-Scale Smartphone Images of Cell Aggregates. IEEE Access, 2020, 8, 170033-170043.	4.2	5
10	Neural Differentiation Dynamics Controlled by Multiple Feedback Loops in a Comprehensive Molecular Interaction Network. Processes, 2020, 8, 166.	2.8	3
11	Identification of a master transcription factor and a regulatory mechanism for desiccation tolerance in the anhydrobiotic cell line Pv11. PLoS ONE, 2020, 15, e0230218.	2.5	11
12	<scp>SBML</scp> Level 3: an extensible format for the exchange and reuse of biological models. Molecular Systems Biology, 2020, 16, e9110.	7.2	178
13	Title is missing!. , 2020, 15, e0230218.		0
14	Title is missing!. , 2020, 15, e0230218.		0
15	Title is missing!. , 2020, 15, e0230218.		0
16	Title is missing!. , 2020, 15, e0230218.		0
17	Predicting the future direction of cell movement with convolutional neural networks. PLoS ONE, 2019, 14, e0221245.	2.5	13
18	Activation of cell migration via morphological changes in focal adhesions depends on shear stress in MYCN-amplified neuroblastoma cells. Journal of the Royal Society Interface, 2019, 16, 20180934.	3.4	5

#	Article	IF	Citations
19	Deep Learning for Non-Invasive Determination of the Differentiation Status of Human Neuronal Cells by Using Phase-Contrast Photomicrographs. Applied Sciences (Switzerland), 2019, 9, 5503.	2.5	2
20	XitoSBML: A Modeling Tool for Creating Spatial Systems Biology Markup Language Models From Microscopic Images. Frontiers in Genetics, 2019, 10, 1027.	2.3	3
21	Transcriptome analysis of the anhydrobiotic cell line Pv11 infers the mechanism of desiccation tolerance and recovery. Scientific Reports, 2018, 8, 17941.	3.3	14
22	Quantitative analysis of sensitivity to a Wnt3a gradient in determination of the poleâ€toâ€pole axis of mitotic cells by using a microfluidic device. FEBS Open Bio, 2018, 8, 1920-1935.	2.3	1