Weiyang Chen

List of Publications by Year
in descending order

27	530	932766 10	713013 21
papers	citations	h-index	g-index

27	27	27	913
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial Transcriptome for the Molecular Annotation of Lineage Fates and Cell Identity in Mid-gastrula Mouse Embryo. Developmental Cell, 2016, 36, 681-697.	3.1	201
2	Three-dimensional human facial morphologies as robust aging markers. Cell Research, 2015, 25, 574-587.	5.7	97
3	Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. Nature Metabolism, 2020, 2, 946-957.	5.1	45
4	Inference of differentiation time for single cell transcriptomes using cell population reference data. Nature Communications, 2017, 8, 1856.	5.8	30
5	Translating Divergent Environmental Stresses into a Common Proteome Response through the Histidine Kinase 33 (Hik33) in a Model Cyanobacterium. Molecular and Cellular Proteomics, 2017, 16, 1258-1274.	2.5	26
6	Trophic Mode-Dependent Proteomic Analysis Reveals Functional Significance of Light-Independent Chlorophyll Synthesis in Synechocystis sp. PCC 6803. Molecular Plant, 2017, 10, 73-85.	3.9	22
7	LINâ€28 balances longevity and germline stem cell number in Caenorhabditis elegans through letâ€7/AKT/DAFâ€16 axis. Aging Cell, 2017, 16, 113-124.	3.0	18
8	The Quantitative Proteome Atlas of a Model Cyanobacterium. Journal of Genetics and Genomics, 2021, , .	1.7	14
9	Multiple sequence alignment algorithm based on a dispersion graph and ant colony algorithm. Journal of Computational Chemistry, 2009, 30, 2031-2038.	1.5	13
10	Bioimaging for quantitative phenotype analysis. Methods, 2016, 102, 20-25.	1.9	12
11	Use of image texture analysis to find DNA sequence similarities. Journal of Theoretical Biology, 2018, 455, 1-6.	0.8	10
12	A 3D graphical representation of DNA sequence based on numerical coding method. International Journal of Quantum Chemistry, 2010, 110, 975-980.	1.0	8
13	An ant colony pairwise alignment based on the dot plots. Journal of Computational Chemistry, 2009, 30, 93-97.	1.5	6
14	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. Journal of Proteomics, 2018, 179, 100-109.	1.2	6
15	A High-throughput Assay for the Prediction of Chemical Toxicity by Automated Phenotypic Profiling of Caenorhabditis elegans. Journal of Visualized Experiments, 2019, , .	0.2	5
16	Definition and Usage of Texture Feature for Biological Sequence. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 773-776.	1.9	4
17	The Use of Texture Features to Extract and Analyze Useful Information from Retinal Images. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 313-318.	0.6	4
18	Automated recognition and analysis of head thrashes behavior in C. elegans. BMC Bioinformatics, 2022, 23, 87.	1.2	3

#	Article	IF	Citations
19	Aging phenomics enabled by quantitative imaging analysis. Oncotarget, 2015, 6, 16794-16795.	0.8	2
20	A Systematic Survey of the Light/Dark-dependent Protein Degradation Events in a Model Cyanobacterium. Molecular and Cellular Proteomics, 2021, 20, 100162.	2.5	2
21	Activation of the Oxidative Pentose Phosphate Pathway is Critical for Photomixotrophic Growth of a hik33â€Deletion Mutant of Synechocystis sp. PCC 6803. Proteomics, 2018, 18, e1800046.	1.3	1
22	Retinal Image Segmentation Based on Multiple Features Method. , 2021, , .		1
23	Translating Divergent Environmental Stresses into a Common Proteome Response through Hik33 in a Model Cyanobacterium. Molecular and Cellular Proteomics, 2017, , mcp.M117.068080.	2.5	0
24	Retinal Image Segmentation Based on Texture Features. Advances in Intelligent Systems and Computing, 2020, , 1037-1043.	0.5	0
25	Localization Method of Optic Disc in Retinal Image Based on Texture Feature and Shape Feature. , 2021, , .		0
26	Quantitative Analysis of Facial Symmetry Among Different Expressions. , 2021, , .		0
27	An Accurate Segmentation Method for Experimental Image of Cells. , 2021, , .		0