

Masaru Tomita

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

683
citations

933447

10
h-index

610901

24
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27
all docs

27
docs citations

27
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative genomics of the tardigrades <i>Hypsibius dujardini</i> and <i>Ramazzottius varieornatus</i> . <i>PLoS Biology</i> , 2017, 15, e2002266.	5.6	170
2	Base editors for simultaneous introduction of C-to-T and A-to-G mutations. <i>Nature Biotechnology</i> , 2020, 38, 865-869.	17.5	137
3	Global metabolic network reorganization by adaptive mutations allows fast growth of <i>Escherichia coli</i> on glycerol. <i>Nature Communications</i> , 2014, 5, 3233.	12.8	80
4	Transcriptome-wide Variability in Single Embryonic Development Cells. <i>Scientific Reports</i> , 2014, 4, 7137.	3.3	66
5	The Consumption of Bicarbonate-Rich Mineral Water Improves Glycemic Control. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	1.2	42
6	Identification, expression, and molecular evolution of microRNAs in the "living fossil" <i>Triops cancriformis</i> (tadpole shrimp). <i>Rna</i> , 2015, 21, 230-242.	3.5	27
7	Tracking global gene expression responses in T cell differentiation. <i>Gene</i> , 2015, 569, 259-266.	2.2	20
8	Expansion of Noncanonical V-Arm-Containing tRNAs in Eukaryotes. <i>Molecular Biology and Evolution</i> , 2016, 33, 530-540.	8.9	19
9	Alteration of fatty acid chain length of <i>Chlamydomonas reinhardtii</i> by simultaneous expression of medium-chain-specific thioesterase and acyl carrier protein. <i>Phycological Research</i> , 2017, 65, 94-99.	1.6	16
10	Systems Biology Strategy Reveals PKC ζ is Key for Sensitizing TRAIL-Resistant Human Fibrosarcoma. <i>Frontiers in Immunology</i> , 2015, 5, 659.	4.8	12
11	Improved taxon sampling and multigene phylogeny of unicellular chlamydomonads closely related to the colonial volvocalean lineage Tetrabaenaceae-Goniaceae-Volvocaceae (Volvocales, Chlorophyceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 130, 1-8.	2.7	11
12	Time resolved DNA occupancy dynamics during the respiratory oscillation uncover a global reset point in the yeast growth program. <i>Microbial Cell</i> , 2014, 1, 279-288.	3.2	9
13	Ultralow Input Genome Sequencing Library Preparation from a Single Tardigrade Specimen. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	8
14	Upregulation of Thymidylate Synthase Induces Pemetrexed Resistance in Malignant Pleural Mesothelioma. <i>Frontiers in Pharmacology</i> , 2021, 12, 718675.	3.5	8
15	Analysis of Genetic Code Ambiguity Arising from Nematode-Specific Misacylated tRNAs. <i>PLoS ONE</i> , 2015, 10, e0116981.	2.5	7
16	Developmental changes in the balance of glycolytic ATP production and oxidative phosphorylation in ventricular cells: A simulation study. <i>Journal of Theoretical Biology</i> , 2017, 419, 269-277.	1.7	7
17	Metabolic Characterization of Antifolate Responsiveness and Non-responsiveness in Malignant Pleural Mesothelioma Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1129.	3.5	7
18	Hybridization between <i>Chlamydomonas reinhardtii</i> (<i>Chlamydomonadales</i> , <i>Chlorophyceae</i>) and <i>Chlamydomonas</i> sp. (<i>Chlamydomonadales</i> , <i>Chlorophyceae</i>). <i>Phycological Research</i> , 2014, 62, 232-236.	1.6	6

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19	High quality genome assembly of the anhydrobiotic midge provides insights on a single chromosome-based emergence of extreme desiccation tolerance. <i>NAR Genomics and Bioinformatics</i> , 2022, 4, lqac029.	3.2	6
20	<i>Microglena redcarensis</i> sp. nov. (Volvocales, Chlorophyceae), a brackish water chlamydomonad with contractile vacuoles. <i>Phycological Research</i> , 2018, 66, 310-317.	1.6	5
21	<i>Chlorococcum turfosum</i> comb. nov. (Volvocales, Chlorophyceae) and visualization of chimeric sequences. <i>Phycological Research</i> , 2019, 67, 239-243.	1.6	5
22	Initial parasitic behaviour of the temporary social parasitic ant <i>Polyrhachis lamellidens</i> can be induced by host-like cuticles in laboratory environment. <i>Biology Open</i> , 2022, 11, .	1.2	4
23	<i>Chlamydomonas neoplanoconvexa</i> nom. nov. and its unique phylogenetic position within Volvocales (Chlorophyceae). <i>Phycological Research</i> , 2011, 59, 194-199.	1.6	3
24	Rearing and observation of immature stages of the hoverfly <i>Microdon katsurai</i> (Diptera, Syrphidae). <i>Biodiversity Data Journal</i> , 2016, 4, e10185.	0.8	3
25	Meta-analysis of transcriptional regulatory networks for lipid metabolism in neural cells from schizophrenia patients based on an open-source intelligence approach. <i>Neuroscience Research</i> , 2022, 175, 82-97.	1.9	2
26	Sensitivity analysis of ectopic electrical activity in the pulmonary vein myocardium. , 2015, , .		0