Tomomichi Fujita

List of Publications by Year
in descending order

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Version: 2024-02-01

27 papers	2,460 citations	840776 11 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	3339 citing authors

#	Article	IF	Citations
1	The bryophytes Physcomitrium patens and Marchantia polymorpha as model systems for studying evolutionary cell and developmental biology in plants. Plant Cell, 2022, 34, 228-246.	6.6	34
2	Characterisation of rapid alkalinisation factors in Physcomitrium patens reveals functional conservation in tip growth. New Phytologist, 2022, 233, 2442-2457.	7.3	11
3	A PSTAIRE-type cyclin-dependent kinase controls light responses in land plants. Science Advances, 2022, 8, eabk2116.	10.3	2
4	Callose Detection and Quantification at Plasmodesmata in Bryophytes. Methods in Molecular Biology, 2022, 2457, 177-187.	0.9	5
5	Tracking Intercellular Movement of Fluorescent Proteins in Bryophytes. Methods in Molecular Biology, 2022, 2457, 321-332.	0.9	0
6	Abscisic acid switches cell division modes of asymmetric cell division and symmetric cell division in stem cells of protonemal filaments in the moss <i>Physcomitrium patens</i>. Plant Biotechnology, 2022, 39, 13-17.	1.0	2
7	The cellular function of ROP GTPase prenylation is important for multicellularity in the moss Physcomitrium patens. Development (Cambridge), 2022, 149, .	2.5	5
8	Practical application of proximal sensing for monitoring the growth of Physcomitrium patens. Uchu Seibutsu Kagaku, 2021, 35, 32-40.	0.3	3
9	How plants grow under gravity conditions besides 1 g: perspectives from hypergravity and space experiments that employ bryophytes as a model organism. Plant Molecular Biology, 2021, 107, 279-291.	3.9	8
10	Molecular biology of mosses. Plant Molecular Biology, 2021, 107, 209-211.	3.9	0
11	Metabolic Control of Gametophore Shoot Formation through Arginine in the Moss Physcomitrium patens. Cell Reports, 2020, 32, 108127.	6.4	28
12	Quantitative Imaging Reveals Distinct Contributions of SnRK2 and ABI3 in Plasmodesmatal Permeability in Physcomitrella patens. Plant and Cell Physiology, 2020, 61, 942-956.	3.1	10
13	AP2/ERF transcription factors regulate salt-induced chloroplast division in the moss Physcomitrella patens. Journal of Plant Research, 2020, 133, 537-548.	2.4	16
14	An Experimental System for Examining Phototropic Response of Gametophytic Shoots in the Moss Physcomitrella patens. Methods in Molecular Biology, 2019, 1924, 45-51.	0.9	0
15	Abscisic Acid Acts as a Regulator of Molecular Trafficking through Plasmodesmata in the MossPhyscomitrella patens. Plant and Cell Physiology, 2019, 60, 738-751.	3.1	25
16	A hypergravity environment increases chloroplast size, photosynthesis, and plant growth in the moss Physcomitrella patens. Journal of Plant Research, 2017, 130, 181-192.	2.4	24
17	Hypergravity of 10g Changes Plant Growth, Anatomy, Chloroplast Size, and Photosynthesis in the Moss Physcomitrella patens. Microgravity Science and Technology, 2017, 29, 467-473.	1.4	7
18	Comparisons of the Effects of Vibration of Two Centrifugal Systems on the Growth and Morphological Parameters of the Moss Physcomitrella patens. Uchu Seibutsu Kagaku, 2017, 31, 9-13.	0.3	2

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19	Plasmodesmata: function and diversity in plant intercellular communication. Journal of Plant Research, 2015, 128, 3-5.	2.4	8
20	A model system for analyzing intercellular communication through plasmodesmata using moss protonemata and leaves. Journal of Plant Research, 2015, 128, 63-72.	2.4	11
21	Phototropism in gametophytic shoots of the mossPhyscomitrella patens. Plant Signaling and Behavior, 2015, 10, e1010900.	2.4	8
22	Conserved function of Rho-related Rop/RAC GTPase signaling in regulation of cell polarity in Physcomitrella patens. Gene, 2014, 544, 241-247.	2.2	27
23	Quantitative imaging of directional transport through plasmodesmata in moss protonemata via single-cell photoconversion of Dendra2. Journal of Plant Research, 2013, 126, 577-585.	2.4	26
24	Convergent evolution of shoots in land plants: lack of auxin polar transport in moss shoots. Evolution & Development, 2008, 10, 176-186.	2.0	102
25	The Physcomitrella Genome Reveals Evolutionary Insights into the Conquest of Land by Plants. Science, 2008, 319, 64-69.	12.6	1,712
26	Comparative genomics of Physcomitrella patens gametophytic transcriptome and Arabidopsis thaliana: Implication for land plant evolution. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8007-8012.	7.1	341
27	Establishment of gene-trap and enhancer-trap systems in the moss Physcomitrella patens. Plant Journal, 2001, 28, 105-116.	5.7	43