

Yuji Hiwatashi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,692
citations

304743

22
h-index

477307

29
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31
all docs

31
docs citations

31
times ranked

3407
citing authors

#	ARTICLE	IF	CITATIONS
1	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	12.6	794
2	Contribution of NAC Transcription Factors to Plant Adaptation to Land. <i>Science</i> , 2014, 343, 1505-1508.	12.6	222
3	A polycomb repressive complex 2 gene regulates apogamy and gives evolutionary insights into early land plant evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16321-16326.	7.1	138
4	<i>WOX13</i> -like genes are required for reprogramming of leaf and protoplast cells into stem cells in the moss <i>Physcomitrella patens</i> . <i>Development (Cambridge)</i> , 2014, 141, 1660-1670.	2.5	136
5	KNOX2 Genes Regulate the Haploid-to-Diploid Morphological Transition in Land Plants. <i>Science</i> , 2013, 339, 1067-1070.	12.6	132
6	AP2-type transcription factors determine stem cell identity in the moss <i>Physcomitrella patens</i> . <i>Development (Cambridge)</i> , 2012, 139, 3120-3129.	2.5	124
7	An Inducible RNA Interference System in <i>Physcomitrella patens</i> Reveals a Dominant Role of Augmin in Phragmoplast Microtubule Generation. <i>Plant Cell</i> , 2012, 24, 1478-1493.	6.6	116
8	Convergent evolution of shoots in land plants: lack of auxin polar transport in moss shoots. <i>Evolution & Development</i> , 2008, 10, 176-186.	2.0	102
9	Genome of the pitcher plant <i>Cephalotus</i> reveals genetic changes associated with carnivory. <i>Nature Ecology and Evolution</i> , 2017, 1, 59.	7.8	99
10	<i>Physcomitrella</i> Cyclin-Dependent Kinase A Links Cell Cycle Reactivation to Other Cellular Changes during Reprogramming of Leaf Cells. <i>Plant Cell</i> , 2011, 23, 2924-2938.	6.6	98
11	Endogenous Diterpenes Derived from <i>ent</i> -Kaurene, a Common Gibberellin Precursor, Regulate Protonema Differentiation of the Moss <i>Physcomitrella patens</i> . <i>Plant Physiology</i> , 2010, 153, 1085-1097.	4.8	96
12	Kinesins Are Indispensable for Interdigitation of Phragmoplast Microtubules in the Moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2008, 20, 3094-3106.	6.6	89
13	The Gibberellin perception system evolved to regulate a pre-existing GAMYB-mediated system during land plant evolution. <i>Nature Communications</i> , 2011, 2, 544.	12.8	79
14	System for Stable \hat{I}^2 -Estradiol-Inducible Gene Expression in the Moss <i>Physcomitrella patens</i> . <i>PLoS ONE</i> , 2013, 8, e77356.	2.5	71
15	Kinesins Have a Dual Function in Organizing Microtubules during Both Tip Growth and Cytokinesis in <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2014, 26, 1256-1266.	6.6	56
16	Biological implications of the occurrence of 32 members of the XTH (xyloglucan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (endotr Journal, 2010, 64, 645-656.	5.7	53
17	<i>Physcomitrella</i> MADS-box genes regulate water supply and sperm movement for fertilization. <i>Nature Plants</i> , 2018, 4, 36-45.	9.3	51
18	Establishment of gene-trap and enhancer-trap systems in the moss <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2001, 28, 105-116.	5.7	43

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19	A Lin28 homologue reprograms differentiated cells to stem cells in the moss <i>Physcomitrella patens</i> . <i>Nature Communications</i> , 2017, 8, 14242.	12.8	37
20	The Mitotic Function of Augmin Is Dependent on Its Microtubule-Associated Protein Subunit EDE1 in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2017, 27, 3891-3897.e4.	3.9	36
21	<i>Physcomitrella</i> STEMIN transcription factor induces stem cell formation with epigenetic reprogramming. <i>Nature Plants</i> , 2019, 5, 681-690.	9.3	32
22	Microtubules Regulate Dynamic Organization of Vacuoles in <i>Physcomitrella patens</i> . <i>Plant and Cell Physiology</i> , 2009, 50, 855-868.	3.1	29
23	Cells reprogramming to stem cells inhibit the reprogramming of adjacent cells in the moss <i>Physcomitrella patens</i> . <i>Scientific Reports</i> , 2017, 7, 1909.	3.3	18
24	A Dibasic Amino Acid Pair Conserved in the Activation Loop Directs Plasma Membrane Localization and Is Necessary for Activity of Plant Type I/II Phosphatidylinositol Phosphate Kinase Å. <i>Plant Physiology</i> , 2010, 153, 1004-1015.	4.8	13
25	Development of an <i>Agrobacterium</i> -Mediated Stable Transformation Method for the Sensitive Plant <i>Mimosa pudica</i> . <i>PLoS ONE</i> , 2014, 9, e88611.	2.5	11
26	How plants grow under gravity conditions besides 1 g: perspectives from hypergravity and space experiments that employ bryophytes as a model organism. <i>Plant Molecular Biology</i> , 2021, 107, 279-291.	3.9	8
27	Gametangia Development in the Moss <i>Physcomitrella patens</i> . , 0, , 167-181.		3
28	A PSTAIRE-type cyclin-dependent kinase controls light responses in land plants. <i>Science Advances</i> , 2022, 8, eabk2116.	10.3	2
29	Molecular and physiological responses to desiccation indicate the abscisic acid pathway is conserved in the peat moss, <i>Sphagnum</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 4576-4591.	4.8	2
30	Establishment of a Live-Imaging Analysis for Polarized Growth of <i>Conchocelis</i> in the Multicellular Red Alga <i>Neopyropia yezoensis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 716011.	3.6	1