

Fuminori Takahashi

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

4,498
citations

26
h-index

50
g-index

50
ext. papers

5,628
ext. citations

8.1
avg, IF

5.48
L-index

#	Paper	IF	Citations
46	Affinity Purification Followed by Liquid Chromatography-Tandem Mass Spectrometry to Identify Proteins Interacting with ABA Signaling Components.. <i>Methods in Molecular Biology</i> , 2022 , 2462, 181-189 ^{1.4}		
45	Use of Micrografting to Study the Role Played by Peptide Signals in ABA Biosynthesis.. <i>Methods in Molecular Biology</i> , 2022 , 2462, 101-109	1.4	
44	TBP-ASSOCIATED FACTOR 12 ortholog NOBIRO6 controls root elongation with unfolded protein response cofactor activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	2
43	Inter-tissue and inter-organ signaling in drought stress response and phenotyping of drought tolerance. <i>Plant Journal</i> , 2021 ,	6.9	5
42	Cellular Phosphorylation Signaling and Gene Expression in Drought Stress Responses: ABA-Dependent and ABA-Independent Regulatory Systems. <i>Plants</i> , 2021 , 10,	4.5	16
41	Transcriptome Analysis of , Which Shows the Fastest Germination and Growth in the Major Mongolian Grassland Plant. <i>Frontiers in Plant Science</i> , 2021 , 12, 684987	6.2	
40	Long-distance stress and developmental signals associated with abscisic acid signaling in environmental responses. <i>Plant Journal</i> , 2021 , 105, 477-488	6.9	11
39	group C Raf-like protein kinases negatively regulate abscisic acid signaling and are direct substrates of SnRK2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
38	Arabidopsis SMN2/HEN2, Encoding DEAD-Box RNA Helicase, Governs Proper Expression of the Resistance Gene SMN1/RPS6 and Is Involved in Dwarf, Autoimmune Phenotypes of mekk1 and mpk4 Mutants. <i>Plant and Cell Physiology</i> , 2020 , 61, 1507-1516	4.9	8
37	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. <i>Nature Communications</i> , 2020 , 11, 1373	17.4	45
36	Large-Scale Phosphoproteomic Study of Membrane Proteins Reveals Early Signaling Events in Response to Cold. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
35	Drought Stress Responses and Resistance in Plants: From Cellular Responses to Long-Distance Intercellular Communication. <i>Frontiers in Plant Science</i> , 2020 , 11, 556972	6.2	67
34	SnRK2 protein kinases represent an ancient system in plants for adaptation to a terrestrial environment. <i>Communications Biology</i> , 2019 , 2, 30	6.7	56
33	Comparative Phosphoproteomic Analysis of Barley Embryos with Different Dormancy during Imbibition. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
32	NF-YB2 and NF-YB3 Have Functionally Diverged and Differentially Induce Drought and Heat Stress-Specific Genes. <i>Plant Physiology</i> , 2019 , 180, 1677-1690	6.6	25
31	Comparative Phosphoproteomic Analysis Reveals a Decay of ABA Signaling in Barley Embryos during After-Ripening. <i>Plant and Cell Physiology</i> , 2019 , 60, 2758-2768	4.9	8
30	ABA-responsive gene expression in response to drought stress: cellular regulation and long-distance signaling. <i>Advances in Botanical Research</i> , 2019 , 83-113	2.2	9

29	Hormone-like peptides and small coding genes in plant stress signaling and development. <i>Current Opinion in Plant Biology</i> , 2019 , 51, 88-95	9.9	29
28	Heat-induced inhibition of phosphorylation of the stress-protective transcription factor DREB2A promotes thermotolerance of. <i>Journal of Biological Chemistry</i> , 2019 , 294, 902-917	5.4	33
27	Long-distance signaling in plant stress response. <i>Current Opinion in Plant Biology</i> , 2019 , 47, 106-111	9.9	81
26	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. <i>Nature</i> , 2018 , 556, 235-238	50.4	214
25	NGATHA1 transcription factor induces ABA biosynthesis by activating gene during dehydration stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11178-E11187	11.5	56
24	Regulatory Gene Networks in Drought Stress Responses and Resistance in Plants. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1081, 189-214	3.6	45
23	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. <i>Nature Plants</i> , 2017 , 3, 16204	11.5	63
22	Overexpression of an Arabidopsis thaliana galactinol synthase gene improves drought tolerance in transgenic rice and increased grain yield in the field. <i>Plant Biotechnology Journal</i> , 2017 , 15, 1465-1477	11.6	74
21	Different Cold-Signaling Pathways Function in the Responses to Rapid and Gradual Decreases in Temperature. <i>Plant Cell</i> , 2017 , 29, 760-774	11.6	83
20	BPM-CUL3 E3 ligase modulates thermotolerance by facilitating negative regulatory domain-mediated degradation of DREB2A in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8528-E8536	11.5	53
19	The Transcriptional Cascade in the Heat Stress Response of Arabidopsis Is Strictly Regulated at the Level of Transcription Factor Expression. <i>Plant Cell</i> , 2016 , 28, 181-201	11.6	93
18	SNAC-As, stress-responsive NAC transcription factors, mediate ABA-inducible leaf senescence. <i>Plant Journal</i> , 2015 , 84, 1114-23	6.9	122
17	Two distinct families of protein kinases are required for plant growth under high external Mg ²⁺ concentrations in Arabidopsis. <i>Plant Physiology</i> , 2015 , 167, 1039-57	6.6	38
16	Comparison of Leaf Sheath Transcriptome Profiles with Physiological Traits of Bread Wheat Cultivars under Salinity Stress. <i>PLoS ONE</i> , 2015 , 10, e0133322	3.7	26
15	Arabidopsis galactinol synthase AtGolS2 improves drought tolerance in the monocot model Brachypodium distachyon. <i>Journal of Plant Physiology</i> , 2014 , 171, 1127-31	3.6	36
14	Phosphorylation networks in the abscisic Acid signaling pathway. <i>The Enzymes</i> , 2014 , 35, 27-56	2.3	7
13	Genetics and phosphoproteomics reveal a protein phosphorylation network in the abscisic acid signaling pathway in Arabidopsis thaliana. <i>Science Signaling</i> , 2013 , 6, rs8	8.8	259
12	Large-scale collection and analysis of full-length cDNAs from Brachypodium distachyon and integration with Pooidae sequence resources. <i>PLoS ONE</i> , 2013 , 8, e75265	3.7	25

11	Protein Phosphorylation Network in Abscisic Acid Signaling 2013 , 155-164		1
10	Calmodulin-dependent activation of MAP kinase for ROS homeostasis in Arabidopsis. <i>Molecular Cell</i> , 2011 , 41, 649-60	17.6	190
9	Mitogen-activated protein kinase regulated by the CLAVATA receptors contributes to shoot apical meristem homeostasis. <i>Plant and Cell Physiology</i> , 2011 , 52, 14-29	4.9	113
8	The mitogen-activated protein kinase cascade MKK3-MPK6 is an important part of the jasmonate signal transduction pathway in Arabidopsis. <i>Plant Cell</i> , 2007 , 19, 805-18	11.6	277
7	Crosstalk between abiotic and biotic stress responses: a current view from the points of convergence in the stress signaling networks. <i>Current Opinion in Plant Biology</i> , 2006 , 9, 436-42	9.9	1340
6	The regulatory domain of SRK2E/OST1/SnRK2.6 interacts with ABI1 and integrates abscisic acid (ABA) and osmotic stress signals controlling stomatal closure in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 5310-8	5.4	388
5	ABA-activated SnRK2 protein kinase is required for dehydration stress signaling in Arabidopsis. <i>Plant and Cell Physiology</i> , 2002 , 43, 1473-83	4.9	441
4	Fenton reaction is primarily involved in a mechanism of (-)-epigallocatechin-3-gallate to induce osteoclastic cell death. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 292, 94-101	3.4	131
3	Stress Physiology of Higher Plants: Cross-Talk between Abiotic and Biotic Stress Signaling65-89		1
2	Plant Mitogen-Activated Protein Kinase Cascades in Signaling Crosstalk23-42		3
1	SNF1-related protein kinase 2 directly regulate group C Raf-like protein kinases in abscisic acid signaling		1