Fuminori Takahashi

List of Publications by Year
in descending order

45 papers	6,413 citations	172386 29 h-index	254106 43 g-index
50 all docs	50 docs citations	50 times ranked	7907 citing authors

#	Article	IF	Citations
1	Crosstalk between abiotic and biotic stress responses: a current view from the points of convergence in the stress signaling networks. Current Opinion in Plant Biology, 2006, 9, 436-442.	3.5	1,595
2	ABA-Activated SnRK2 Protein Kinase is Required for Dehydration Stress Signaling in Arabidopsis. Plant and Cell Physiology, 2002, 43, 1473-1483.	1.5	520
3	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. Journal of Biological Chemistry, 2006, 281, 5310-5318.	1.6	481
4	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. Nature, 2018, 556, 235-238.	13.7	396
5	Genetics and Phosphoproteomics Reveal a Protein Phosphorylation Network in the Abscisic Acid Signaling Pathway in Arabidopsis thaliana. Science Signaling, 2013, 6, rs8.	1.6	355
6	The Mitogen-Activated Protein Kinase Cascade MKK3â€“MPK6 Is an Important Part of the Jasmonate Signal Transduction Pathway in Arabidopsis. Plant Cell, 2007, 19, 805-818.	3.1	347
7	Calmodulin-Dependent Activation of MAP Kinase for ROS Homeostasis in Arabidopsis. Molecular Cell, 2011, 41, 649-660.	4.5	243
8	SNACâ€As, stressâ€responsive NAC transcription factors, mediate ABAâ€inducible leaf senescence. Plant Journal, 2015, 84, 1114-1123.	2.8	202
9	Drought Stress Responses and Resistance in Plants: From Cellular Responses to Long-Distance Intercellular Communication. Frontiers in Plant Science, 2020, 11, 556972.	1.7	199
10	Different Cold-Signaling Pathways Function in the Responses to Rapid and Gradual Decreases in Temperature. Plant Cell, 2017, 29, 760-774.	3.1	158
11	The Transcriptional Cascade in the Heat Stress Response of Arabidopsis Is Strictly Regulated at the Level of Transcription Factor Expression. Plant Cell, 2016, 28, 181-201.	3.1	152
12	Fenton Reaction Is Primarily Involved in a Mechanism of (â^')-Epigallocatechin-3-gallate to Induce Osteoclastic Cell Death. Biochemical and Biophysical Research Communications, 2002, 292, 94-101.	1.0	149
13	Overexpression of an Arabidopsis thaliana galactinol synthase gene improves drought tolerance in transgenic rice and increased grain yield in the field. Plant Biotechnology Journal, 2017, 15, 1465-1477.	4.1	149
14	Long-distance signaling in plant stress response. Current Opinion in Plant Biology, 2019, 47, 106-111.	3.5	135
15	Mitogen-Activated Protein Kinase Regulated by the CLAVATA Receptors Contributes to Shoot Apical Meristem Homeostasis. Plant and Cell Physiology, 2011, 52, 14-29.	1.5	130
16	Arabidopsis thaliana NGATHA1 transcription factor induces ABA biosynthesis by activating NCED3 gene during dehydration stress. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11178-E11187.	3.3	106
17	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. Nature Communications, 2020, 11, 1373.	5.8	104
18	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. Nature Plants, 2017, 3, 16204.	4.7	97

#	Article	IF	Citations
19	Regulatory Gene Networks in Drought Stress Responses and Resistance in Plants. Advances in Experimental Medicine and Biology, 2018, 1081, 189-214.	0.8	91
20	BPM-CUL3 E3 ligase modulates thermotolerance by facilitating negative regulatory domain-mediated degradation of DREB2A in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8528-E8536.	3.3	82
21	Hormone-like peptides and small coding genes in plant stress signaling and development. Current Opinion in Plant Biology, 2019, 51, 88-95.	3.5	76
22	SnRK2 protein kinases represent an ancient system in plants for adaptation to a terrestrial environment. Communications Biology, 2019, 2, 30.	2.0	76
23	Cellular Phosphorylation Signaling and Gene Expression in Drought Stress Responses: ABA-Dependent and ABA-Independent Regulatory Systems. Plants, 2021, 10, 756.	1.6	64
24	NF-YB2 and NF-YB3 Have Functionally Diverged and Differentially Induce Drought and Heat Stress-Specific Genes. Plant Physiology, 2019, 180, 1677-1690.	2.3	62
25	Heat-induced inhibition of phosphorylation of the stress-protective transcription factor DREB2A promotes thermotolerance of Arabidopsis thaliana. Journal of Biological Chemistry, 2019, 294, 902-917.	1.6	62
26	Two Distinct Families of Protein Kinases Are Required for Plant Growth under High External Mg²⁺ Concentrations in Arabidopsis. Plant Physiology, 2015, 167, 1039-1057.	2.3	51
27	Arabidopsis galactinol synthase AtGolS2 improves drought tolerance in the monocot model Brachypodium distachyon. Journal of Plant Physiology, 2014, 171, 1127-1131.	1.6	50
28	Interâ€tissue and interâ€organ signaling in drought stress response and phenotyping of drought tolerance. Plant Journal, 2022, 109, 342-358.	2.8	50
29	Comparison of Leaf Sheath Transcriptome Profiles with Physiological Traits of Bread Wheat Cultivars under Salinity Stress. PLoS ONE, 2015, 10, e0133322.	1.1	33
30	Large-Scale Collection and Analysis of Full-Length cDNAs from Brachypodium distachyon and Integration with Pooideae Sequence Resources. PLoS ONE, 2013, 8, e75265.	1.1	27
31	Arabidopsis group C Raf-like protein kinases negatively regulate abscisic acid signaling and are direct substrates of SnRK2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
32	Longâ€distance stress and developmental signals associated with abscisic acid signaling in environmental responses. Plant Journal, 2021, 105, 477-488.	2.8	23
33	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. Plant and Cell Physiology, 2020, 61, 1507-1516.	1.5	21
34	Large-Scale Phosphoproteomic Study of Arabidopsis Membrane Proteins Reveals Early Signaling Events in Response to Cold. International Journal of Molecular Sciences, 2020, 21, 8631.	1.8	19
35	ABA-responsive gene expression in response to drought stress: cellular regulation and long-distance signaling. Advances in Botanical Research, 2019, , 83-113.	0.5	18
36	Comparative Phosphoproteomic Analysis Reveals a Decay of ABA Signaling in Barley Embryos during After-Ripening. Plant and Cell Physiology, 2019, 60, 2758-2768.	1.5	14

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37	Phosphorylation Networks in the Abscisic Acid Signaling Pathway. The Enzymes, 2014, 35, 27-56.	0.7	12
38	Comparative Phosphoproteomic Analysis of Barley Embryos with Different Dormancy during Imbibition. International Journal of Molecular Sciences, 2019, 20, 451.	1.8	11
39	Arabidopsis TBP-ASSOCIATED FACTOR 12 ortholog NOBIRO6 controls root elongation with unfolded protein response cofactor activity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	10
40	Plant Mitogen-Activated Protein Kinase Cascades in Signaling Crosstalk. , 0, , 23-42.		3
41	Transcriptome Analysis of Chloris virgata, Which Shows the Fastest Germination and Growth in the Major Mongolian Grassland Plant. Frontiers in Plant Science, 2021, 12, 684987.	1.7	1
42	Protein Phosphorylation Network in Abscisic Acid Signaling. , 2013, , 155-164.		1
43	Editorial: Peptide Signaling in Plants. Frontiers in Plant Science, 2022, 13, 843918.	1.7	1
44	Affinity Purification Followed by Liquid â€“Tandem Mass to Identify Proteins Interacting with Components. Methods in Molecular Biology, 2022, 2462, 181-189.	0.4	0
45	Use of to Study the Role Played by Peptide Signals in ABA Biosynthesis. Methods in Molecular Biology, 2022, 2462, 101-109.	0.4	0