

Takuya Yoshida

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

6,625
citations

236925

25
h-index

345221

36
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37
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docs citations

37
times ranked

6598
citing authors

#	ARTICLE	IF	CITATIONS
1	AREB1, AREB2, and ABF3 are master transcription factors that cooperatively regulate ABRE-dependent ABA signaling involved in drought stress tolerance and require ABA for full activation. <i>Plant Journal</i> , 2010, 61, 672-685.	5.7	871
2	ABA-dependent and ABA-independent signaling in response to osmotic stress in plants. <i>Current Opinion in Plant Biology</i> , 2014, 21, 133-139.	7.1	784
3	Three Arabidopsis SnRK2 Protein Kinases, SRK2D/SnRK2.2, SRK2E/SnRK2.6/OST1 and SRK2I/SnRK2.3, Involved in ABA Signaling are Essential for the Control of Seed Development and Dormancy. <i>Plant and Cell Physiology</i> , 2009, 50, 1345-1363.	3.1	636
4	Three SnRK2 Protein Kinases are the Main Positive Regulators of Abscisic Acid Signaling in Response to Water Stress in Arabidopsis. <i>Plant and Cell Physiology</i> , 2009, 50, 2123-2132.	3.1	599
5	Four <i>Arabidopsis</i> AREB/ABF transcription factors function predominantly in gene expression downstream of SnRK2 kinases in abscisic acid signalling in response to osmotic stress. <i>Plant, Cell and Environment</i> , 2015, 38, 35-49.	5.7	491
6	Structural basis of abscisic acid signalling. <i>Nature</i> , 2009, 462, 609-614.	27.8	490
7	Pivotal role of the AREB/ABF-SnRK2 pathway in ABRE-mediated transcription in response to osmotic stress in plants. <i>Physiologia Plantarum</i> , 2013, 147, 15-27.	5.2	444
8	An ABRE Promoter Sequence is Involved in Osmotic Stress-Responsive Expression of the DREB2A Gene, Which Encodes a Transcription Factor Regulating Drought-Inducible Genes in Arabidopsis. <i>Plant and Cell Physiology</i> , 2011, 52, 2136-2146.	3.1	263
9	Identification of Cis-Acting Promoter Elements in Cold- and Dehydration-Induced Transcriptional Pathways in Arabidopsis, Rice, and Soybean. <i>DNA Research</i> , 2012, 19, 37-49.	3.4	241
10	SNACs, stress-responsive NAC transcription factors, mediate ABA-inducible leaf senescence. <i>Plant Journal</i> , 2015, 84, 1114-1123.	5.7	202
11	Revisiting the Basal Role of ABA Roles Outside of Stress. <i>Trends in Plant Science</i> , 2019, 24, 625-635.	8.8	189
12	Temporal and spatial changes in gene expression, metabolite accumulation and phytohormone content in rice seedlings grown under drought stress conditions. <i>Plant Journal</i> , 2017, 90, 61-78.	5.7	173
13	Proteogenomic analysis reveals alternative splicing and translation as part of the abscisic acid response in Arabidopsis seedlings. <i>Plant Journal</i> , 2017, 91, 518-533.	5.7	156
14	Double overexpression of DREB and PIF transcription factors improves drought stress tolerance and cell elongation in transgenic plants. <i>Plant Biotechnology Journal</i> , 2017, 15, 458-471.	8.3	145
15	Omics Approaches Toward Defining the Comprehensive Abscisic Acid Signaling Network in Plants. <i>Plant and Cell Physiology</i> , 2015, 56, 1043-1052.	3.1	100
16	ABA-unresponsive SnRK2 protein kinases regulate mRNA decay under osmotic stress in plants. <i>Nature Plants</i> , 2017, 3, 16204.	9.3	97
17	Flowers and climate change: a metabolic perspective. <i>New Phytologist</i> , 2019, 224, 1425-1441.	7.3	90
18	The Role of Abscisic Acid Signaling in Maintaining the Metabolic Balance Required for Arabidopsis Growth under Nonstress Conditions. <i>Plant Cell</i> , 2019, 31, 84-105.	6.6	84

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19	Metabolism within the specialized guard cells of plants. <i>New Phytologist</i> , 2017, 216, 1018-1033.	7.3	77
20	Overexpression of the ABA-Dependent AREB1 Transcription Factor from <i>Arabidopsis thaliana</i> Improves Soybean Tolerance to Water Deficit. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 719-730.	1.8	64
21	A gene stacking approach to overcome the trade-off between drought stress tolerance and growth in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 97, 240-256.	5.7	63
22	Role of Raf-like kinases in SnRK2 activation and osmotic stress response in plants. <i>Nature Communications</i> , 2020, 11, 6184.	12.8	59
23	An improved extraction method enables the comprehensive analysis of lipids, proteins, metabolites and phytohormones from a single sample of leaf tissue under water deficit stress. <i>Plant Journal</i> , 2020, 103, 1614-1632.	5.7	55
24	Two Distinct Families of Protein Kinases Are Required for Plant Growth under High External Mg ²⁺ Concentrations in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 167, 1039-1057.	4.8	51
25	Remote Control of Transpiration via ABA. <i>Trends in Plant Science</i> , 2018, 23, 755-758.	8.8	33
26	Insights into ABA-mediated regulation of guard cell primary metabolism revealed by systems biology approaches. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 146, 37-49.	2.9	26
27	Multi-omics approach reveals the contribution of KLU to leaf longevity and drought tolerance. <i>Plant Physiology</i> , 2021, 185, 352-368.	4.8	24
28	Long-distance stress and developmental signals associated with abscisic acid signaling in environmental responses. <i>Plant Journal</i> , 2021, 105, 477-488.	5.7	23
29	Characterization of Molecular and Physiological Responses Under Water Deficit of Genetically Modified Soybean Plants Overexpressing the AtAREB1 Transcription Factor. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 410-426.	1.8	22
30	Changes in intracellular NAD status affect stomatal development in an abscisic acid-dependent manner. <i>Plant Journal</i> , 2020, 104, 1149-1168.	5.7	21
31	Circadian Control of Metabolism by the Clock Component TOC1. <i>Frontiers in Plant Science</i> , 2021, 12, 683516.	3.6	18
32	A Chimeric TGA Repressor Slows Down Fruit Maturation and Ripening in Tomato. <i>Plant and Cell Physiology</i> , 2022, 63, 120-134.	3.1	9
33	Two Regulatory Networks Mediated by Light and Glucose Involved in Glycolytic Gene Expression in <i>Cyanobacteria</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1720-1727.	3.1	8
34	Purification, crystallization and preliminary X-ray analysis of OsAREB8 from rice, a member of the AREB/ABF family of bZIP transcription factors, in complex with its cognate DNA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 491-494.	0.7	6
35	Metabolic engineering: Towards water deficiency adapted crop plants. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153375.	3.5	6
36	Characterization of the complete chloroplast genome of <i>Betula chichibuensis</i> (Betulaceae), a critically endangered limestone birch. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2166-2167.	0.4	1