

Koji Takahashi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,494
citations

430874

18
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1677
citing authors

#	ARTICLE	IF	CITATIONS
1	Auxin Activates the Plasma Membrane H ⁺ -ATPase by Phosphorylation during Hypocotyl Elongation in Arabidopsis. <i>Plant Physiology</i> , 2012, 159, 632-641.	4.8	285
2	Rapid and reversible root growth inhibition by TIR1 auxin signalling. <i>Nature Plants</i> , 2018, 4, 453-459.	9.3	198
3	Cell surface and intracellular auxin signalling for H ⁺ fluxes in root growth. <i>Nature</i> , 2021, 599, 273-277.	27.8	128
4	TMK-based cell-surface auxin signalling activates cell-wall acidification. <i>Nature</i> , 2021, 599, 278-282.	27.8	125
5	Immunohistochemical Detection of Blue Light-Induced Phosphorylation of the Plasma Membrane H ⁺ -ATPase in Stomatal Guard Cells. <i>Plant and Cell Physiology</i> , 2011, 52, 1238-1248.	3.1	110
6	Chemical hijacking of auxin signaling with an engineered auxin-TIR1 pair. <i>Nature Chemical Biology</i> , 2018, 14, 299-305.	8.0	107
7	Abscisic Acid Suppresses Hypocotyl Elongation by Dephosphorylating Plasma Membrane H ⁺ -ATPase in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2014, 55, 845-853.	3.1	85
8	Mg-chelatase H subunit affects ABA signaling in stomatal guard cells, but is not an ABA receptor in Arabidopsis thaliana. <i>Journal of Plant Research</i> , 2011, 124, 527-538.	2.4	73
9	Brassinosteroid Induces Phosphorylation of the Plasma Membrane H ⁺ -ATPase during Hypocotyl Elongation in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2019, 60, 935-944.	3.1	46
10	A Flowering Integrator, SOC1, Affects Stomatal Opening in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2015, 56, 640-649.	3.1	45
11	Characterization of the Plasma Membrane H ⁺ -ATPase in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant Physiology</i> , 2012, 159, 826-834.	4.8	42
12	Auxin Influx Carrier AUX1 Confers Acid Resistance for Arabidopsis Root Elongation Through the Regulation of Plasma Membrane H ⁺ -ATPase. <i>Plant and Cell Physiology</i> , 2016, 57, 2194-2201.	3.1	40
13	A super-sensitive auxin-inducible degron system with an engineered auxin-TIR1 pair. <i>Nucleic Acids Research</i> , 2020, 48, e108-e108.	14.5	32
14	Overexpression of the Mg-chelatase H subunit in guard cells confers drought tolerance via promotion of stomatal closure in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2013, 4, 440.	3.6	30
15	Wall-Yielding Properties of Cell Walls from Elongating Cucumber Hypocotyls in Relation to the Action of Expansin. <i>Plant and Cell Physiology</i> , 2006, 47, 1520-1529.	3.1	28
16	Evolutionary appearance of the plasma membrane H ⁺ -ATPase containing a penultimate threonine in the bryophyte. <i>Plant Signaling and Behavior</i> , 2012, 7, 979-982.	2.4	25
17	A Super Strong Engineered Auxin-TIR1 Pair. <i>Plant and Cell Physiology</i> , 2018, 59, 1538-1544.	3.1	25
18	Mg-chelatase I subunit 1 and Mg-protoporphyrin IX methyltransferase affect the stomatal aperture in Arabidopsis thaliana. <i>Journal of Plant Research</i> , 2014, 127, 553-563.	2.4	21

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19	Pinstatic Acid Promotes Auxin Transport by Inhibiting PIN Internalization. <i>Plant Physiology</i> , 2019, 180, 1152-1165.	4.8	21
20	Harnessing synthetic chemistry to probe and hijack auxin signaling. <i>New Phytologist</i> , 2018, 220, 417-424.	7.3	12
21	Identification of stomatal-regulating molecules from de novo arylamine collection through aromatic C ¹⁴ H amination. <i>Scientific Reports</i> , 2022, 12, 949.	3.3	5
22	The Regulation of Plant Cell Expansion: Auxin-Induced Turgor-Driven Cell Elongation. , 2016, , 156-173.		3
23	Identification of Abscisic Acid-Dependent Phosphorylated Basic Helix-Loop-Helix Transcription Factors in Guard Cells of <i>Vicia faba</i> by Mass Spectrometry. <i>Frontiers in Plant Science</i> , 2021, 12, 735271.	3.6	3