Miyoshi Haruta

List of Publications by Year in Descending Order

22 papers	2,476 citations	16 h-index	22 g-index
22 ext. papers	2,952 ext. citations	7.8 avg, IF	4.58 L-index

#	Paper	IF	Citations
22	Twenty Years of Progress in Physiological and Biochemical Investigation of RALF Peptides. *Plant Physiology*, **2020**, 182, 1657-1666	6.6	30
21	Function and solution structure of the Arabidopsis thaliana RALF8 peptide. *Protein Science*, **2019**, 28, 1115-1126	6.3	5
20	Environmental and Genetic Factors Regulating Localization of the Plant Plasma Membrane H-ATPase. *Plant Physiology*, **2018**, 176, 364-377	6.6	20
19	Probing a Plant Plasma Membrane Receptor Kinase's Three-Dimensional Structure Using Mass Spectrometry-Based Protein Footprinting. *Biochemistry*, **2018**, 57, 5159-5168	3.2	12
18	Comparison of the effects of a kinase-dead mutation of FERONIA on ovule fertilization and root growth of Arabidopsis. *FEBS Letters*, **2018**, 592, 2395-2402	3.8	20
17	A cell-free method for expressing and reconstituting membrane proteins enables functional characterization of the plant receptor-like protein kinase FERONIA. *Journal of Biological Chemistry*, **2017**, 292, 5932-5942	5.4	11
16	Ligand Receptor-Mediated Regulation of Growth in Plants. *Current Topics in Developmental Biology*, **2017**, 123, 331-363	5.3	9
15	Functional characterization of PCRK1, a putative protein kinase with a role in immunity. *Plant Signaling and Behavior*, **2015**, 10, e1063759	2.5	2
14	Regulation of the plasma membrane proton pump (H(+)-ATPase) by phosphorylation. *Current Opinion in Plant Biology*, **2015**, 28, 68-75	9.9	93
13	Use of Mass Spectrometry-Based Phosphoproteomics to Characterize a Receptor Protein Kinase-Mediated Signaling Pathway that Negatively Regulates Plant Cell Growth.. *FASEB Journal*, **2015**, 29, 220.1	0.9	
12	A peptide hormone and its receptor protein kinase regulate plant cell expansion. *Science*, **2014**, 343, 408-11	33.3	439
11	The effect of a genetically reduced plasma membrane protonmotive force on vegetative growth of Arabidopsis. *Plant Physiology*, **2012**, 158, 1158-71	6.6	85
10	Molecular characterization of mutant Arabidopsis plants with reduced plasma membrane proton pump activity. *Journal of Biological Chemistry*, **2010**, 285, 17918-29	5.4	117
9	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. *Nature*, **2008**, 456, 239-44	50.4	1200
8	A cytoplasmic Ca2+ functional assay for identifying and purifying endogenous cell signaling peptides in Arabidopsis seedlings: identification of AtRALF1 peptide. *Biochemistry*, **2008**, 47, 6311-21	3.2	65
7	Rapid alkalinization factors in poplar cell cultures. Peptide isolation, cDNA cloning, and differential expression in leaves and methyl jasmonate-treated cells. *Plant Physiology*, **2003**, 131, 814-23	6.6	59
6	Polyphenol oxidase and herbivore defense in trembling aspen (Populus tremuloides): cDNA cloning, expression, and potential substrates. *Physiologia Plantarum*, **2001**, 112, 552-558	4.6	64

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5	A Kunitz trypsin inhibitor gene family from trembling aspen (Populus tremuloides Michx.): cloning, functional expression, and induction by wounding and herbivory. *Plant Molecular Biology*, **2001**, 46, 347-59	4.6	90
4	A transgenic apple callus showing reduced polyphenol oxidase activity and lower browning potential. *Bioscience, Biotechnology and Biochemistry*, **2001**, 65, 383-8	2.1	58
3	Transgenic apple (Malus x domestica) shoot showing low browning potential. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 5243-8	5.7	35
2	Immunological and molecular comparison of polyphenol oxidase in Rosaceae fruit trees. *Phytochemistry*, **1999**, 50, 1021-5	4	32
1	Cloning genomic DNA encoding apple polyphenol oxidase and comparison of the gene product in Escherichia coli and in apple. *Bioscience, Biotechnology and Biochemistry*, **1998**, 62, 358-62	2.1	30