

# Miyoshi Haruta

## List of Publications by Citations

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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.

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	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. <i>Nature</i> , <b>2008</b> , 456, 239-44	50.4	1200
21	A peptide hormone and its receptor protein kinase regulate plant cell expansion. <i>Science</i> , <b>2014</b> , 343, 408-11	33.3	439
20	Molecular characterization of mutant Arabidopsis plants with reduced plasma membrane proton pump activity. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 17918-29	5.4	117
19	Regulation of the plasma membrane proton pump (H(+)-ATPase) by phosphorylation. <i>Current Opinion in Plant Biology</i> , <b>2015</b> , 28, 68-75	9.9	93
18	A Kunitz trypsin inhibitor gene family from trembling aspen ( <i>Populus tremuloides</i> Michx.): cloning, functional expression, and induction by wounding and herbivory. <i>Plant Molecular Biology</i> , <b>2001</b> , 46, 347-59	4.6	90
17	The effect of a genetically reduced plasma membrane protonmotive force on vegetative growth of Arabidopsis. <i>Plant Physiology</i> , <b>2012</b> , 158, 1158-71	6.6	85
16	A cytoplasmic Ca <sup>2+</sup> functional assay for identifying and purifying endogenous cell signaling peptides in Arabidopsis seedlings: identification of AtRALF1 peptide. <i>Biochemistry</i> , <b>2008</b> , 47, 6311-21	3.2	65
15	Polyphenol oxidase and herbivore defense in trembling aspen ( <i>Populus tremuloides</i> ): cDNA cloning, expression, and potential substrates. <i>Physiologia Plantarum</i> , <b>2001</b> , 112, 552-558	4.6	64
14	Rapid alkalinization factors in poplar cell cultures. Peptide isolation, cDNA cloning, and differential expression in leaves and methyl jasmonate-treated cells. <i>Plant Physiology</i> , <b>2003</b> , 131, 814-23	6.6	59
13	A transgenic apple callus showing reduced polyphenol oxidase activity and lower browning potential. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2001</b> , 65, 383-8	2.1	58
12	Transgenic apple ( <i>Malus x domestica</i> ) shoot showing low browning potential. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 5243-8	5.7	35
11	Immunological and molecular comparison of polyphenol oxidase in Rosaceae fruit trees. <i>Phytochemistry</i> , <b>1999</b> , 50, 1021-5	4	32
10	Cloning genomic DNA encoding apple polyphenol oxidase and comparison of the gene product in <i>Escherichia coli</i> and in apple. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>1998</b> , 62, 358-62	2.1	30
9	Twenty Years of Progress in Physiological and Biochemical Investigation of RALF Peptides. <i>Plant Physiology</i> , <b>2020</b> , 182, 1657-1666	6.6	30
8	Environmental and Genetic Factors Regulating Localization of the Plant Plasma Membrane H-ATPase. <i>Plant Physiology</i> , <b>2018</b> , 176, 364-377	6.6	20
7	Comparison of the effects of a kinase-dead mutation of FERONIA on ovule fertilization and root growth of Arabidopsis. <i>FEBS Letters</i> , <b>2018</b> , 592, 2395-2402	3.8	20
6	Probing a Plant Plasma Membrane Receptor Kinase's Three-Dimensional Structure Using Mass Spectrometry-Based Protein Footprinting. <i>Biochemistry</i> , <b>2018</b> , 57, 5159-5168	3.2	12

5	A cell-free method for expressing and reconstituting membrane proteins enables functional characterization of the plant receptor-like protein kinase FERONIA. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 5932-5942	5.4	11
4	Ligand Receptor-Mediated Regulation of Growth in Plants. <i>Current Topics in Developmental Biology</i> , <b>2017</b> , 123, 331-363	5.3	9
3	Function and solution structure of the Arabidopsis thaliana RALF8 peptide. <i>Protein Science</i> , <b>2019</b> , 28, 1115-1126	6.3	5
2	Functional characterization of PCRK1, a putative protein kinase with a role in immunity. <i>Plant Signaling and Behavior</i> , <b>2015</b> , 10, e1063759	2.5	2
1	Use of Mass Spectrometry-Based Phosphoproteomics to Characterize a Receptor Protein Kinase-Mediated Signaling Pathway that Negatively Regulates Plant Cell Growth.. <i>FASEB Journal</i> , <b>2015</b> , 29, 220.1	0.9	