Daisuke Takahashi

List of Publications by Year
in descending order

30 papers	776 citations	567144 15 h-index	526166 27 g-index
33 all docs	33 docs citations	33 times ranked	882 citing authors

#	Article	IF	Citations
1	Effects of Fe and Mn Deficiencies on the Root Protein Profiles of Tomato (Solanum lycopersicum) Using Two-Dimensional Electrophoresis and Label-Free Shotgun Analyses. International Journal of Molecular Sciences, 2022, 23, 3719.	1.8	5
2	Cell wall modification by the xyloglucan endotransglucosylase/hydrolase <scp>XTH19</scp> influences freezing tolerance after cold and subâ€zero acclimation. Plant, Cell and Environment, 2021, 44, 915-930.	2.8	43
3	Responses of the Plant Cell Wall to Sub-Zero Temperatures: A Brief Update. Plant and Cell Physiology, 2021, 62, 1858-1866.	1.5	20
4	Galactoglucomannan structure of Arabidopsis seedâ€coat mucilage in <scp>GDP</scp>â€mannose synthesis impaired mutants. Physiologia Plantarum, 2021, 173, 1244-1252.	2.6	9
5	Plasma membrane proteome analyses of Arabidopsis thaliana suspension-cultured cells during cold or ABA treatment: Relationship with freezing tolerance and growth phase. Journal of Proteomics, 2020, 211, 103528.	1.2	9
6	Effects of Excess Manganese on the Xylem Sap Protein Profile of Tomato (Solanum lycopersicum) as Revealed by Shotgun Proteomic Analysis. International Journal of Molecular Sciences, 2020, 21, 8863.	1.8	10
7	Proteomic Approaches to Identify Cold-Regulated Plasma. Methods in Molecular Biology, 2020, 2156, 171-186.	0.4	2
8	Analysis of Changes in Plant Cell Wall and Structure During Cold Acclimation. Methods in Molecular Biology, 2020, 2156, 255-268.	0.4	4
9	Structural features conserved in subclass of type II arabinogalactan. Plant Biotechnology, 2020, 37, 459-463.	0.5	5
10	Shotgun Proteomics of Plant Plasma Membrane and Microdomain Proteins Using Nano-LC-MS/MS. Methods in Molecular Biology, 2020, 2139, 89-106.	0.4	1
11	Both cold and sub-zero acclimation induce cell wall modification and changes in the extracellular proteome in Arabidopsis thaliana. Scientific Reports, 2019, 9, 2289.	1.6	51
12	Temporal proteomics of Arabidopsis plasma membrane during cold- and de-acclimation. Journal of Proteomics, 2019, 197, 71-81.	1.2	45
13	Data on xylem sap proteins from Mn- and Fe-deficient tomato plants obtained using shotgun proteomics. Data in Brief, 2018, 17, 512-516.	0.5	1
14	Tissue-specific changes in apoplastic proteins and cell wall structure during cold acclimation of winter wheat crowns. Journal of Experimental Botany, 2018, 69, 1221-1234.	2.4	34
15	Effects of Fe and Mn deficiencies on the protein profiles of tomato (Solanum lycopersicum) xylem sap as revealed by shotgun analyses. Journal of Proteomics, 2018, 170, 117-129.	1.2	22
16	Plasma Membrane Proteomics of Arabidopsis Suspension-Cultured Cells Associated with Growth Phase Using Nano-LC-MS/MS. Methods in Molecular Biology, 2018, 1696, 185-194.	0.4	9
17	Freezing Tolerance of Plant Cells: From the Aspect of Plasma Membrane and Microdomain. Advances in Experimental Medicine and Biology, 2018, 1081, 61-79.	0.8	18
18	Isolation of Plasma Membrane and Plasma Membrane Microdomains. Methods in Molecular Biology, 2017, 1511, 199-212.	0.4	4

#	Article	IF	Citations
19	Cold acclimation is accompanied by complex responses of glycosylphosphatidylinositol (GPI)-anchored proteins in Arabidopsis. Journal of Experimental Botany, 2016, 67, 5203-5215.	2.4	48
20	A Shotgun Proteomic Approach Reveals That Fe Deficiency Causes Marked Changes in the Protein Profiles of Plasma Membrane and Detergent-Resistant Microdomain Preparations from Beta vulgaris Roots. Journal of Proteome Research, 2016, 15, 2510-2524.	1.8	35
21	Lipid profiles of detergent resistant fractions of the plasma membrane in oat and rye in association with cold acclimation and freezing tolerance. Cryobiology, 2016, 72, 123-134.	0.3	52
22	Proteins Associated with Oxidative Burst and Cell Wall Strengthening Accumulate During Citrus-Xanthomonas Non-Host Interaction. Plant Molecular Biology Reporter, 2015, 33, 1349-1360.	1.0	2
23	The Distinct Functional Roles of the Inner and Outer Chloroplast Envelope of Pea (Pisum) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	37
24	Proteomic Approaches to Identify Cold-Regulated Plasma Membrane Proteins. Methods in Molecular Biology, 2014, 1166, 159-170.	0.4	12
25	Shotgun Proteomics of Plant Plasma Membrane and Microdomain Proteins Using Nano-LC-MS/MS. Methods in Molecular Biology, 2014, 1072, 481-498.	0.4	14
26	Changes of Detergent-Resistant Plasma Membrane Proteins in Oat and Rye during Cold Acclimation: Association with Differential Freezing Tolerance. Journal of Proteome Research, 2013, 12, 4998-5011.	1.8	43
27	Detergent-resistant plasma membrane proteome to elucidate microdomain functions in plant cells. Frontiers in Plant Science, 2013, 4, 27.	1.7	26
28	Plant plasma membrane proteomics for improving cold tolerance. Frontiers in Plant Science, 2013, 4, 90.	1.7	115
29	Comparison of Plasma Membrane Proteomic Changes of Arabidopsis Suspension-Cultured Cells (T87) Tj ETQq1 1 0.784314 rgBT /Ove Cell Physiology, 2012, 53, 543-554.	1.5	58
30	Detergent-resistant Plasma Membrane Proteome in Oat and Rye: Similarities and Dissimilarities between Two Monocotyledonous Plants. Journal of Proteome Research, 2012, 11, 1654-1665.	1.8	40