

Daisuke Takahashi

List of Publications by Year in descending order

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Version: 2024-02-01

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	Plant plasma membrane proteomics for improving cold tolerance. <i>Frontiers in Plant Science</i> , 2013, 4, 90.	1.7	115
2	Comparison of Plasma Membrane Proteomic Changes of Arabidopsis Suspension-Cultured Cells (T87) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.5	58
3	Lipid profiles of detergent resistant fractions of the plasma membrane in oat and rye in association with cold acclimation and freezing tolerance. <i>Cryobiology</i> , 2016, 72, 123-134.	0.3	52
4	Both cold and sub-zero acclimation induce cell wall modification and changes in the extracellular proteome in Arabidopsis thaliana. <i>Scientific Reports</i> , 2019, 9, 2289.	1.6	51
5	Cold acclimation is accompanied by complex responses of glycosylphosphatidylinositol (GPI)-anchored proteins in Arabidopsis. <i>Journal of Experimental Botany</i> , 2016, 67, 5203-5215.	2.4	48
6	Temporal proteomics of Arabidopsis plasma membrane during cold- and de-acclimation. <i>Journal of Proteomics</i> , 2019, 197, 71-81.	1.2	45
7	Changes of Detergent-Resistant Plasma Membrane Proteins in Oat and Rye during Cold Acclimation: Association with Differential Freezing Tolerance. <i>Journal of Proteome Research</i> , 2013, 12, 4998-5011.	1.8	43
8	Cell wall modification by the xyloglucan endotransglucosylase/hydrolase <scp>XTH19</scp> influences freezing tolerance after cold and subâ€zero acclimation. <i>Plant, Cell and Environment</i> , 2021, 44, 915-930.	2.8	43
9	Detergent-resistant Plasma Membrane Proteome in Oat and Rye: Similarities and Dissimilarities between Two Monocotyledonous Plants. <i>Journal of Proteome Research</i> , 2012, 11, 1654-1665.	1.8	40
10	The Distinct Functional Roles of the Inner and Outer Chloroplast Envelope of Pea (<i>Pisum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.8	37
11	A Shotgun Proteomic Approach Reveals That Fe Deficiency Causes Marked Changes in the Protein Profiles of Plasma Membrane and Detergent-Resistant Microdomain Preparations from <i>Beta vulgaris</i> Roots. <i>Journal of Proteome Research</i> , 2016, 15, 2510-2524.	1.8	35
12	Tissue-specific changes in apoplastic proteins and cell wall structure during cold acclimation of winter wheat crowns. <i>Journal of Experimental Botany</i> , 2018, 69, 1221-1234.	2.4	34
13	Detergent-resistant plasma membrane proteome to elucidate microdomain functions in plant cells. <i>Frontiers in Plant Science</i> , 2013, 4, 27.	1.7	26
14	Effects of Fe and Mn deficiencies on the protein profiles of tomato (<i>Solanum lycopersicum</i>) xylem sap as revealed by shotgun analyses. <i>Journal of Proteomics</i> , 2018, 170, 117-129.	1.2	22
15	Responses of the Plant Cell Wall to Sub-Zero Temperatures: A Brief Update. <i>Plant and Cell Physiology</i> , 2021, 62, 1858-1866.	1.5	20
16	Freezing Tolerance of Plant Cells: From the Aspect of Plasma Membrane and Microdomain. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1081, 61-79.	0.8	18
17	Shotgun Proteomics of Plant Plasma Membrane and Microdomain Proteins Using Nano-LC-MS/MS. <i>Methods in Molecular Biology</i> , 2014, 1072, 481-498.	0.4	14
18	Proteomic Approaches to Identify Cold-Regulated Plasma Membrane Proteins. <i>Methods in Molecular Biology</i> , 2014, 1166, 159-170.	0.4	12

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19	Effects of Excess Manganese on the Xylem Sap Protein Profile of Tomato (<i>Solanum lycopersicum</i>) as Revealed by Shotgun Proteomic Analysis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8863.	1.8	10
20	Plasma Membrane Proteomics of Arabidopsis Suspension-Cultured Cells Associated with Growth Phase Using Nano-LC-MS/MS. <i>Methods in Molecular Biology</i> , 2018, 1696, 185-194.	0.4	9
21	Plasma membrane proteome analyses of Arabidopsis thaliana suspension-cultured cells during cold or ABA treatment: Relationship with freezing tolerance and growth phase. <i>Journal of Proteomics</i> , 2020, 211, 103528.	1.2	9
22	Galactoglucomannan structure of Arabidopsis seed coat mucilage in GDP-mannose synthesis impaired mutants. <i>Physiologia Plantarum</i> , 2021, 173, 1244-1252.	2.6	9
23	Structural features conserved in subclass of type II arabinogalactan. <i>Plant Biotechnology</i> , 2020, 37, 459-463.	0.5	5
24	Effects of Fe and Mn Deficiencies on the Root Protein Profiles of Tomato (<i>Solanum lycopersicum</i>) Using Two-Dimensional Electrophoresis and Label-Free Shotgun Analyses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3719.	1.8	5
25	Isolation of Plasma Membrane and Plasma Membrane Microdomains. <i>Methods in Molecular Biology</i> , 2017, 1511, 199-212.	0.4	4
26	Analysis of Changes in Plant Cell Wall and Structure During Cold Acclimation. <i>Methods in Molecular Biology</i> , 2020, 2156, 255-268.	0.4	4
27	Proteins Associated with Oxidative Burst and Cell Wall Strengthening Accumulate During Citrus-Xanthomonas Non-Host Interaction. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1349-1360.	1.0	2
28	Proteomic Approaches to Identify Cold-Regulated Plasma. <i>Methods in Molecular Biology</i> , 2020, 2156, 171-186.	0.4	2
29	Data on xylem sap proteins from Mn- and Fe-deficient tomato plants obtained using shotgun proteomics. <i>Data in Brief</i> , 2018, 17, 512-516.	0.5	1
30	Shotgun Proteomics of Plant Plasma Membrane and Microdomain Proteins Using Nano-LC-MS/MS. <i>Methods in Molecular Biology</i> , 2020, 2139, 89-106.	0.4	1