

Noriyuki Hatsugai

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,108
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3760
citing authors

#	ARTICLE	IF	CITATIONS
1	A Plant Vacuolar Protease, VPE, Mediates Virus-Induced Hypersensitive Cell Death. <i>Science</i> , 2004, 305, 855-858.	12.6	579
2	Luminescent proteins for high-speed single-cell and whole-body imaging. <i>Nature Communications</i> , 2012, 3, 1262.	12.8	247
3	A novel membrane fusion-mediated plant immunity against bacterial pathogens. <i>Genes and Development</i> , 2009, 23, 2496-2506.	5.9	244
4	Vacuolar processing enzyme: an executor of plant cell death. <i>Current Opinion in Plant Biology</i> , 2005, 8, 404-408.	7.1	223
5	The role of vacuole in plant cell death. <i>Cell Death and Differentiation</i> , 2011, 18, 1298-1304.	11.2	223
6	An Asparaginyl Endopeptidase Mediates in Vivo Protein Backbone Cyclization. <i>Journal of Biological Chemistry</i> , 2007, 282, 29721-29728.	3.4	207
7	Vacuolar Processing Enzyme Is Essential for Mycotoxin-induced Cell Death in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 32914-32920.	3.4	196
8	Vacuolar processing enzyme in plant programmed cell death. <i>Frontiers in Plant Science</i> , 2015, 6, 234.	3.6	182
9	A cellular suicide strategy of plants: vacuole-mediated cell death. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 905-911.	4.9	156
10	Pectin Biosynthesis Is Critical for Cell Wall Integrity and Immunity in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2016, 28, 537-556.	6.6	144
11	Identification and Dynamics of <i>Arabidopsis</i> Adaptor Protein-2 Complex and Its Involvement in Floral Organ Development. <i>Plant Cell</i> , 2013, 25, 2958-2969.	6.6	121
12	A plant effector-triggered immunity signaling sector is inhibited by pattern-triggered immunity. <i>EMBO Journal</i> , 2017, 36, 2758-2769.	7.8	69
13	Constitutive and Inducible ER Bodies of <i>Arabidopsis thaliana</i> Accumulate Distinct β^2 -Glucosidases. <i>Plant and Cell Physiology</i> , 2009, 50, 480-488.	3.1	68
14	WRKY70 prevents axenic activation of plant immunity by direct repression of <i>SARD1</i> . <i>New Phytologist</i> , 2018, 217, 700-712.	7.3	60
15	Auto-Luminescent Genetically-Encoded Ratiometric Indicator for Real-Time Ca ²⁺ Imaging at the Single Cell Level. <i>PLoS ONE</i> , 2010, 5, e9935.	2.5	53
16	Two vacuole-mediated defense strategies in plants. <i>Plant Signaling and Behavior</i> , 2010, 5, 1568-1570.	2.4	50
17	The receptor-like cytoplasmic kinase <i>PCRK1</i> contributes to pattern-triggered immunity against <i>Pseudomonas syringae</i> in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2015, 207, 78-90.	7.3	50
18	Quantification of Plant Cell Death by Electrolyte Leakage Assay. <i>Bio-protocol</i> , 2018, 8, e2758.	0.4	50

#	ARTICLE	IF	CITATIONS
19	Putative Serine Protease Effectors of <i>Clavibacter michiganensis</i> Induce a Hypersensitive Response in the Apoplast of <i>Nicotiana</i> Species. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1216-1226.	2.6	32
20	Changes in Cytosolic ATP Levels and Intracellular Morphology during Bacteria-Induced Hypersensitive Cell Death as Revealed by Real-Time Fluorescence Microscopy Imaging. <i>Plant and Cell Physiology</i> , 2012, 53, 1768-1775.	3.1	29
21	BEACH-Domain Proteins Act Together in a Cascade to Mediate Vacuolar Protein Trafficking and Disease Resistance in Arabidopsis. <i>Molecular Plant</i> , 2015, 8, 389-398.	8.3	27
22	Involvement of Adapter Protein Complex 4 in Hypersensitive Cell Death Induced by Avirulent Bacteria. <i>Plant Physiology</i> , 2018, 176, 1824-1834.	4.8	25
23	The $\frac{1}{4}$ Subunit of <i>Arabidopsis</i> Adaptor Protein-2 Is Involved in Effector-Triggered Immunity Mediated by Membrane-Localized Resistance Proteins. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 345-351.	2.6	24
24	Nup82 functions redundantly with Nup136 in a salicylic acid-dependent defense response of <i>Arabidopsis thaliana</i> . <i>Nucleus</i> , 2017, 8, 301-311.	2.2	16
25	Hexose Oxidase-Mediated Hydrogen Peroxide as a Mechanism for the Antibacterial Activity in the Red Seaweed <i>Ptilophora subcostata</i> . <i>PLoS ONE</i> , 2016, 11, e0149084.	2.5	11
26	Alternaric acid stimulates phosphorylation of His-tagged RiCDPK2, a calcium-dependent protein kinase in potato plants. <i>Genetics and Molecular Research</i> , 2012, 11, 2381-2389.	0.2	7
27	A phytotoxin Solanapyrone-A downregulates calcium-dependent protein kinase activity in potato. <i>Genetics and Molecular Research</i> , 2013, 12, 1540-1545.	0.2	4
28	Vacuolar convolution: possible mechanisms and role of phosphatidylinositol 3,5-bisphosphate. <i>Functional Plant Biology</i> , 2017, 44, 751.	2.1	4
29	How do Plants Keep their Functional Integrity?. <i>Plant Signaling and Behavior</i> , 2018, 13, 1-31.	2.4	4
30	Measurement of the Caspase-1-Like Activity of Vacuolar Processing Enzyme in Plants. <i>Methods in Molecular Biology</i> , 2018, 1743, 163-171.	0.9	3
31	æç% ©ã©ç °èfžæ»ã, 'ãã, «éã¼ã•ãšã½ ©ãããf†ã, 1ãf—ãfãf†ã, çãf¼ã, ¼ããã¼½ã%²ã, 'æžçã, «. <i>Kagaku To Seibutsu</i> , 2010, 48, 734-736		