

Hideki Nakayama

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,314
citations

471061

17
h-index

500791

28
g-index

28
all docs

28
docs citations

28
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Two types of HKT transporters with different properties of Na ⁺ and K ⁺ transport in <i>Oryza sativa</i> . <i>Plant Journal</i> , 2001, 27, 129-138.	2.8	314
2	Ectoine, the Compatible Solute of <i>Halomonas elongata</i> , Confers Hyperosmotic Tolerance in Cultured Tobacco Cells. <i>Plant Physiology</i> , 2000, 122, 1239-1248.	2.3	150
3	Rice sodium-insensitive potassium transporter, OsHAK5, confers increased salt tolerance in tobacco BY2 cells. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 346-356.	1.1	129
4	Robust production of gamma-amino butyric acid using recombinant <i>Corynebacterium glutamicum</i> expressing glutamate decarboxylase from <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2012, 51, 171-176.	1.6	93
5	A Pollen Coat-Inducible Autoinhibited Ca ²⁺ -ATPase Expressed in Stigmatic Papilla Cells Is Required for Compatible Pollination in the Brassicaceae. <i>Plant Cell</i> , 2014, 26, 636-649.	3.1	83
6	Enhanced production of 2,3-butanediol by engineered <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 651-658.	1.7	68
7	Vesicular transport route of horseradish C1a peroxidase is regulated by N- and C-terminal propeptides in tobacco cells. <i>Applied Microbiology and Biotechnology</i> , 2003, 62, 517-522.	1.7	43
8	Expression of OsHAK genes encoding potassium ion transporters in rice. <i>Plant Biotechnology</i> , 2008, 25, 241-245.	0.5	43
9	Improvement of glutathione production by metabolic engineering the sulfate assimilation pathway of <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1313-1319.	1.7	39
10	Overexpression of NtHAL3 genes confers increased levels of proline biosynthesis and the enhancement of salt tolerance in cultured tobacco cells. <i>Journal of Experimental Botany</i> , 2004, 55, 387-395.	2.4	36
11	Ectoine production from lignocellulosic biomass-derived sugars by engineered <i>Halomonas elongata</i> . <i>Bioresource Technology</i> , 2013, 142, 523-529.	4.8	32
12	OsHKT2;2/1-mediated Na ⁺ influx over K ⁺ uptake in roots potentially increases toxic Na ⁺ accumulation in a salt-tolerant landrace of rice Nona Bokra upon salinity stress. <i>Journal of Plant Research</i> , 2016, 129, 67-77.	1.2	32
13	Yeast plasma membrane Ena1p ATPase alters alkali-cation homeostasis and confers increased salt tolerance in tobacco cultured cells. <i>Biotechnology and Bioengineering</i> , 2004, 85, 776-789.	1.7	30
14	Control of signalling properties of human somatostatin receptor subtype-5 by additional signal sequences on its amino-terminus in yeast. <i>Journal of Biochemistry</i> , 2010, 147, 875-884.	0.9	26
15	Enzymatic glutathione production using metabolically engineered <i>Saccharomyces cerevisiae</i> as a whole-cell biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1001-1006.	1.7	23
16	Functions of HKT transporters in sodium transport in roots and in protecting leaves from salinity stress. <i>Plant Biotechnology</i> , 2008, 25, 233-239.	0.5	22
17	Improvement of ectoine productivity by using sugar transporter-overexpressing <i>Halomonas elongata</i> . <i>Enzyme and Microbial Technology</i> , 2016, 89, 63-68.	1.6	20
18	Improving salt tolerance in plant cells. <i>Plant Biotechnology</i> , 2005, 22, 477-487.	0.5	18

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19	High-efficiency secretory production of peroxidase C1a using vesicular transport engineering in transgenic tobacco. <i>Journal of Bioscience and Bioengineering</i> , 2006, 102, 102-109.	1.1	15
20	Floricultural <i>Salvia</i> plants have a high ability to eliminate bisphenol A. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 99-101.	1.1	15
21	Glutathione production from mannan-based bioresource by mannanase/mannosidase expressing <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2017, 245, 1400-1406.	4.8	15
22	Characterization of Bisphenol A Metabolites Produced by <i>Portulaca oleracea</i> cv. by Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1015-1017.	0.6	14
23	Vaccination with multimeric recombinant VP28 induces high protection against white spot syndrome virus in shrimp. <i>Developmental and Comparative Immunology</i> , 2017, 76, 56-64.	1.0	14
24	Molecular Cloning and Partial Characterization of a Peroxidase Gene Expressed in the Roots of <i>Portulaca oleracea</i> cv., One Potentially Useful in the Remediation of Phenolic Pollutants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 882-890.	0.6	13
25	Activity of the C-terminal-Dependent Vacuolar Sorting Signal of Horseradish Peroxidase C1a is Enhanced by its Secondary Structure. <i>Plant and Cell Physiology</i> , 2011, 52, 413-420.	1.5	12
26	Determination of the in vivo distribution of nuclear matrix attachment regions using a polymerase chain reaction-based assay in <i>Arabidopsis thaliana</i> . <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 11-19.	1.1	6
27	Isolation of polyphenol oxidase genes from <i>Portulaca oleracea</i> and evaluation of their ability to metabolize endocrine-disrupting chemicals. <i>Plant Biotechnology</i> , 2012, 29, 351-357.	0.5	5
28	Galactose oxidase/kelch repeat-containing protein is involved in the iron deficiency stress response in the roots of <i>Hyoscyamus albus</i> . <i>Plant Root</i> , 2017, 11, 58-63.	0.3	4