Ayako Nishizawa-Yokoi

List of Publications by Year
in descending order

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38 papers	3,193 citations	331670 21 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	4408 citing authors

#	Article	IF	Citations
1	An oligonucleotide/oligosaccharide-binding-fold protein enhances the alternative splicing event producing thylakoid membrane-bound ascorbate peroxidase in <i>Nicotiana tabacum</i>. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	2
2	<i>Agrobacterium</i> Tâ€DNA integration in somatic cells does not require the activity of DNA polymerase Î¸. New Phytologist, 2021, 229, 2859-2872.	7.3	30
3	A <i>piggyBac</i>â€mediated transgenesis system for the temporary expression of CRISPR/Cas9 in rice. Plant Biotechnology Journal, 2021, 19, 1386-1395.	8.3	20
4	Real-Time Monitoring of Key Gene Products Involved in Rice Photoperiodic Flowering. Frontiers in Plant Science, 2021, 12, 766450.	3.6	2
5	A Universal System of CRISPR/Cas9-Mediated Gene Targeting Using All-in-One Vector in Plants. Frontiers in Genome Editing, 2020, 2, 604289.	5.2	11
6	Simultaneous TALEN-mediated knockout of chrysanthemum DMC1 genes confers male and female sterility. Scientific Reports, 2020, 10, 16165.	3.3	20
7	Allelic Mutations in the <i>Ripening</i><i>-Inhibitor</i> Locus Generate Extensive Variation in Tomato Ripening. Plant Physiology, 2020, 183, 80-95.	4.8	36
8	Precise Genome Editing in miRNA Target Site via Gene Targeting and Subsequent Single-Strand-Annealing-Mediated Excision of the Marker Gene in Plants. Frontiers in Genome Editing, 2020, 2, 617713.	5.2	6
9	Rice Genome Editing. , 2018, , 523-539.		2
10	Gene Expression and Transcription Factor Binding Tests Using Mutated-Promoter Reporter Lines. Methods in Molecular Biology, 2018, 1830, 291-305.	0.9	4
11	Re-evaluation of the rin mutation and the role of RIN in the induction of tomato ripening. Nature Plants, 2017, 3, 866-874.	9.3	181
12	DNA Methylation Affects the Efficiency of Transcription Activator-Like Effector Nucleases-Mediated Genome Editing in Rice. Frontiers in Plant Science, 2017, 8, 302.	3.6	10
13	Seamless Genome Editing in Rice via Gene Targeting and Precise Marker Elimination. Methods in Molecular Biology, 2016, 1469, 137-146.	0.9	2
14	Targeted Mutagenesis in Rice Using TALENs and the CRISPR/Cas9 System. Methods in Molecular Biology, 2016, 1469, 123-135.	0.9	12
15	A Defect in DNA Ligase4 Enhances the Frequency of TALEN-Mediated Targeted Mutagenesis in Rice. Plant Physiology, 2016, 170, 653-666.	4.8	47
16	CRISPR/Cas9-mediated mutagenesis of the RIN locus that regulates tomato fruit ripening. Biochemical and Biophysical Research Communications, 2015, 467, 76-82.	2.1	269
17	A Universal Positive-Negative Selection System for Gene Targeting in Plants Combining an Antibiotic Resistance Gene and Its Antisense RNA. Plant Physiology, 2015, 169, 362-370.	4.8	20
18	Precision genome editing in plants via gene targeting and <i>piggy<scp>B</scp>ac</i>â€mediated marker excision. Plant Journal, 2015, 81, 160-168.	5.7	61

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19	The non-homologous end-joining pathway is involved in stable transformation in rice. Frontiers in Plant Science, 2014, 5, 560.	3.6	12
20	Precise marker excision system using an animalâ€derived <i>piggyBac</i> transposon in plants. Plant Journal, 2014, 77, 454-463.	5.7	38
21	A Mutated Cytosine Deaminase Gene, codA (D314A), as an Efficient Negative Selection Marker for Gene Targeting in Rice. Plant and Cell Physiology, 2014, 55, 658-665.	3.1	22
22	A Novel Rice Cytochrome P450 Gene, <i>CYP72A31</i>, Confers Tolerance to Acetolactate Synthase-Inhibiting Herbicides in Rice and Arabidopsis Â Â Â. Plant Physiology, 2014, 166, 1232-1240.	4.8	115
23	PositiveÃ¢â,¬â€œnegative-selection-mediated gene targeting in rice. Frontiers in Plant Science, 2014, 5, 748.	3.6	41
24	DNA replication arrest leads to enhanced homologous recombination and cell death in meristems of rice OsRecQl4 mutants. BMC Plant Biology, 2013, 13, 62.	3.6	29
25	Overexpression of OsRecQl4 and/or OsExo1 Enhances DSB-Induced Homologous Recombination in Rice. Plant and Cell Physiology, 2012, 53, 2142-2152.	3.1	32
26	Suppression of Ku70/80 or Lig4 leads to decreased stable transformation and enhanced homologous recombination in rice. New Phytologist, 2012, 196, 1048-1059.	7.3	64
27	Involvement of Arabidopsis NAC transcription factor in the regulation of 20S and 26S proteasomes. Plant Science, 2011, 181, 421-427.	3.6	17
28	HsfA1d and HsfA1e Involved in the Transcriptional Regulation of HsfA2 Function as Key Regulators for the Hsf Signaling Network in Response to Environmental Stress. Plant and Cell Physiology, 2011, 52, 933-945.	3.1	204
29	Characterization of methylmalonyl-CoA mutase involved in the propionate photoassimilation of Euglena gracilis Z. Archives of Microbiology, 2010, 192, 437-446.	2.2	16
30	The 26S Proteasome Function and Hsp90 Activity Involved in the Regulation of HsfA2 Expression in Response to Oxidative Stress. Plant and Cell Physiology, 2010, 51, 486-496.	3.1	70
31	Identification of recognition sequence of ANAC078 protein by the cyclic amplification and selection of targets technique. Plant Signaling and Behavior, 2010, 5, 695-697.	2.4	15
32	Analysis of the Regulation of Target Genes by an<i>Arabidopsis</i>Heat Shock Transcription Factor, HsfA2. Bioscience, Biotechnology and Biochemistry, 2009, 73, 890-895.	1.3	59
33	Arabidopsis Sgt1a as an important factor for the acquirement of thermotolerance. Plant Science, 2009, 177, 676-681.	3.6	5
34	Arabidopsis NAC Transcription Factor, ANAC078, Regulates Flavonoid Biosynthesis under High-light. Plant and Cell Physiology, 2009, 50, 2210-2222.	3.1	197
35	Galactinol and Raffinose Constitute a Novel Function to Protect Plants from Oxidative Damage Â Â. Plant Physiology, 2008, 147, 1251-1263.	4.8	888
36	The contribution of carbohydrates including raffinose family oligosaccharides and sugar alcohols to protection of plant cells from oxidative damage. Plant Signaling and Behavior, 2008, 3, 1016-1018.	2.4	120

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37	Arabidopsis heat shock transcription factor A2 as a key regulator in response to several types of environmental stress. Plant Journal, 2006, 48, 535-547.	5.7	481
38	Acclimation to Diverse Environmental Stresses Caused by a Suppression of Cytosolic Ascorbate Peroxidase in Tobacco BY-2 cells. Plant and Cell Physiology, 2005, 46, 1264-1271.	3.1	32