Sung-Ryul Kim

List of Publications by Year
in descending order

38 papers	2,379 citations	257450 24 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	3090 citing authors

#	Article	IF	Citations
1	Generation of a flanking sequence-tag database for activation-tagging lines in japonica rice. Plant Journal, 2006, 45, 123-132.	5.7	321
2	Generation and Analysis of End Sequence Database for T-DNA Tagging Lines in Rice. Plant Physiology, 2003, 133, 2040-2047.	4.8	238
3	Overexpression of a BAHD Acyltransferase, <i>OsAt10</i>, Alters Rice Cell Wall Hydroxycinnamic Acid Content and Saccharification Â Â Â. Plant Physiology, 2013, 161, 1615-1633.	4.8	164
4	Rice <i>OGR1</i> encodes a pentatricopeptide repeatâ€“DYW protein and is essential for RNA editing in mitochondria. Plant Journal, 2009, 59, 738-749.	5.7	148
5	Transgene structures in T-DNA-inserted rice plants. Plant Molecular Biology, 2003, 52, 761-773.	3.9	127
6	Rice Aldehyde Dehydrogenase7 Is Needed for Seed Maturation and Viability Â Â. Plant Physiology, 2009, 149, 905-915.	4.8	125
7	Map-based Cloning and Characterization of the BPH18 Gene from Wild Rice Conferring Resistance to Brown Planthopper (BPH) Insect Pest. Scientific Reports, 2016, 6, 34376.	3.3	107
8	<scp>O</scp>s<scp>VIL</scp>2 functions with <scp>PRC</scp>2 to induce flowering by repressing <scp><i>O</i></scp><i>s</i><scp><i>LFL</i></scp><i>1</i> in rice. Plant Journal, 2013, 73, 566-578.	5.7	99
9	Trithorax Group Protein <i>Oryza sativa</i> Trithorax1 Controls Flowering Time in Rice via Interaction with Early heading date3 Â Â. Plant Physiology, 2014, 164, 1326-1337.	4.8	96
10	Cloning Vectors for Rice. Journal of Plant Biology, 2009, 52, 73-78.	2.1	95
11	Inactivation of the CTD phosphatase-like gene<i>OsCPL1</i>enhances the development of the abscission layer and seed shattering in rice. Plant Journal, 2010, 61, 96-106.	5.7	89
12	Rice <i>GLYCOSYLTRANSFERASE1</i> Encodes a Glycosyltransferase Essential for Pollen Wall Formation Â Â Â. Plant Physiology, 2013, 161, 663-675.	4.8	88
13	Genome-wide expression analysis of HSP70 family genes in rice and identification of a cytosolic HSP70 gene highly induced under heat stress. Functional and Integrative Genomics, 2013, 13, 391-402.	3.5	65
14	Development and validation of allele-specific SNP/indel markers for eight yield-enhancing genes using whole-genome sequencing strategy to increase yield potential of rice, Oryza sativa L.. Rice, 2016, 9, 12.	4.0	60
15	Newly Identified Wild Rice Accessions Conferring High Salt Tolerance Might Use a Tissue Tolerance Mechanism in Leaf. Frontiers in Plant Science, 2018, 9, 417.	3.6	57
16	Development of 25 near-isogenic lines (NILs) with ten BPH resistance genes in rice (Oryza sativa L.): production, resistance spectrum, and molecular analysis. Theoretical and Applied Genetics, 2017, 130, 2345-2360.	3.6	54
17	Rice chloroplast-localized heat shock protein 70, OsHsp70CP1, is essential for chloroplast development under high-temperature conditions. Journal of Plant Physiology, 2013, 170, 854-863.	3.5	52
18	Identification and fine mapping of a new gene, BPH31 conferring resistance to brown planthopper biotype 4 of India to improve rice, Oryza sativa L. Rice, 2017, 10, 41.	4.0	46

#	Article	IF	Citations
19	Genome-wide identification and analysis of early heat stress responsive genes in rice. Journal of Plant Biology, 2012, 55, 458-468.	2.1	44
20	Introgression of a functional epigenetic OsSPL14WFP allele into elite indica rice genomes greatly improved panicle traits and grain yield. Scientific Reports, 2018, 8, 3833.	3.3	41
21	The rice gene<i>DEFECTIVE TAPETUM AND MEIOCYTES 1</i>(<i>DTM1</i>) is required for early tapetum development and meiosis. Plant Journal, 2012, 70, 256-270.	5.7	38
22	OsCpn60Î±1, Encoding the Plastid Chaperonin 60Î± Subunit, Is Essential for Folding of rbcL. Molecules and Cells, 2013, 35, 402-409.	2.6	32
23	Loss-of-Function Alleles of Heading date 1 (Hd1) Are Associated With Adaptation of Temperate Japonica Rice Plants to the Tropical Region. Frontiers in Plant Science, 2018, 9, 1827.	3.6	29
24	Alanine aminotransferase 1 (OsAlaAT1) plays an essential role in the regulation of starch storage in rice endosperm. Plant Science, 2015, 240, 79-89.	3.6	26
25	Development of an Efficient Inverse PCR Method for Isolating Gene Tags from T-DNA Insertional Mutants in Rice. Methods in Molecular Biology, 2011, 678, 139-146.	0.9	21
26	Cytokinin increases vegetative growth period by suppressing florigen expression in rice and maize. Plant Journal, 2022, 110, 1619-1635.	5.7	17
27	A Simple DNA Preparation Method for High Quality Polymerase Chain Reaction in Rice. Plant Breeding and Biotechnology, 2016, 4, 99-106.	0.9	16
28	Bacterial Transposons Are Co-Transferred with T-DNA to Rice Chromosomes during Agrobacterium-Mediated Transformation. Molecules and Cells, 2012, 33, 583-590.	2.6	15
29	Monosomic alien addition lines (MAALs) of Oryza rhizomatis in Oryza sativa: production, cytology, alien trait introgression, molecular analysis and breeding application. Theoretical and Applied Genetics, 2018, 131, 2197-2211.	3.6	14
30	Development of a genome-wide InDel marker set for allele discrimination between rice (Oryza sativa) and the other seven AA-genome Oryza species. Scientific Reports, 2021, 11, 8962.	3.3	12
31	Development of an intergeneric hybrid between <i>Oryza sativa</i> L. and <i>Leersia perrieri</i> (A. Camus) Launert. Breeding Science, 2018, 68, 474-480.	1.9	9
32	CTP synthase is essential for early endosperm development by regulating nuclei spacing. Plant Biotechnology Journal, 2021, 19, 2177-2191.	8.3	9
33	Exploring genetic diversity of rice cultivars for the presence of brown planthopper (<scp>BPH</scp>) resistance genes and development of <scp>SNP</scp> marker for <i>Bph18</i>. Plant Breeding, 2016, 135, 301-308.	1.9	8
34	Integrated omics analysis of root-preferred genes across diverse rice varieties including Japonica and indica cultivars. Journal of Plant Physiology, 2018, 220, 11-23.	3.5	6
35	QTL Mapping of a Novel Genomic Region Associated with High Out-Crossing Rate Derived from Oryza longistaminata and Development of New CMS Lines in Rice, O. sativa L.. Rice, 2021, 14, 80.	4.0	6
36	Genomics, Biotechnology and Plant Breeding for the Improvement of Rice Production. , 2020, , 217-232.		4

#	Article	IF	Citations
37	Breeding Temperate Japonica Rice Varieties Adaptable to Tropical Regions: Progress and Prospects. Agronomy, 2021, 11, 2253.	3.0	1
38	Tissue-specific enhancement of OsRNS1 with root-preferred expression is required for the increase of crop yield. Journal of Advanced Research, 2022, , .	9.5	0