Keisuke Nagai

List of Publications by Year
in descending order

26 papers	2,218 citations	471509 17 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	2473 citing authors

#	Article	IF	Citations
1	SNORKEL Genes Relating to Flood Tolerance Were Pseudogenized in Normal Cultivated Rice. Plants, 2022, 11, 376.	3.5	13
2	Noninvasive imaging of hollow structures and gas movement revealed the gas partialâ€pressureâ€gradientâ€driven longâ€distance gas movement in the aerenchyma along the leaf blade to submerged organs in rice. New Phytologist, 2021, 232, 1974-1984.	7.3	10
3	Antagonistic regulation of the gibberellic acid response during stem growth in rice. Nature, 2020, 584, 109-114.	27.8	98
4	Metabolite and Phytohormone Profiling Illustrates Metabolic Reprogramming as an Escape Strategy of Deepwater Rice during Partially Submerged Stress. Metabolites, 2020, 10, 68.	2.9	17
5	Diel O2 Dynamics in Partially and Completely Submerged Deepwater Rice: Leaf Gas Films Enhance Internodal O2 Status, Influence Gene Expression and Accelerate Stem Elongation for â€˜Snorkellingâ€™ during Submergence. Plant and Cell Physiology, 2019, 60, 973-985.	3.1	16
6	Time-Course Transcriptomics Analysis Reveals Key Responses of Submerged Deepwater Rice to Flooding. Plant Physiology, 2018, 176, 3081-3102.	4.8	64
7	Rice leaf hydrophobicity and gas films are conferred by a wax synthesis gene (<scp>LGF</scp>1) and contribute to flood tolerance. New Phytologist, 2018, 218, 1558-1569.	7.3	68
8	Ethylene-gibberellin signaling underlies adaptation of rice to periodic flooding. Science, 2018, 361, 181-186.	12.6	188
9	Prospects for Breeding and Agriculture 34â€”Reconsider breeding from the aspect of morphologyâ€”. Ikushugaku Kenkyu, 2018, 20, 69-75.	0.3	0
10	Hormone Distribution and Transcriptome Profiles in Bamboo Shoots Provide Insights on Bamboo Stem Emergence and Growth. Plant and Cell Physiology, 2017, 58, 702-716.	3.1	50
11	A new outlook on sporadic flowering of bamboo. Plant Signaling and Behavior, 2017, 12, e1343780.	2.4	7
12	eQTLs Regulating Transcript Variations Associated with Rapid Internode Elongation in Deepwater Rice. Frontiers in Plant Science, 2017, 8, 1753.	3.6	29
13	Development of chromosome segment substitution lines harboring <i>Oryza nivara</i> genomic segments in Koshihikari and evaluation of yield-related traits. Breeding Science, 2016, 66, 845-850.	1.9	18
14	Loss of function at RAE2 , a previously unidentified EPFL, is required for awnlessness in cultivated Asian rice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8969-8974.	7.1	94
15	æµ®ã‚ãƒç”Ÿå˜æˆ¦ç•¥ã•ãŠã‚ã‚‚ã‚ãƒ™ãƒ¬ãƒ¼ã‚¿ãƒ¼å¿œç””æ€§å›žå¾©æŽ¢ç´¢. Kagaku To Seibutsu, 2016, 54, 198-204.	0.0	0
16	Construction of a versatile SNP array for pyramiding useful genes of rice. Plant Science, 2016, 242, 131-139.	3.6	33
17	Convergent Loss of Awn in Two Cultivated Rice SpeciesOryza sativaandOryza glaberrimaIs Caused by Mutations in Different Loci. G3: Genes, Genomes, Genetics, 2015, 5, 2267-2274.	1.8	31
18	Rare allele of a previously unidentified histone H4 acetyltransferase enhances grain weight, yield, and plant biomass in rice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 76-81.	7.1	236

#	Article	IF	Citations
19	QTL analysis of internode elongation in response to gibberellin in deepwater rice. AoB PLANTS, 2014, 6, plu028-plu028.	2.3	25
20	Gibberellin biosynthesis and signal transduction is essential for internode elongation in deepwater rice. Plant, Cell and Environment, 2014, 37, 2313-2324.	5.7	113
21	Two novel QTLs regulate internode elongation in deepwater rice during the early vegetative stage. Breeding Science, 2012, 62, 178-185.	1.9	38
22	Title is missing!. Kagaku To Seibutsu, 2011, 49, 222-224.	0.0	0
23	Rice growth adapting to deepwater. Current Opinion in Plant Biology, 2011, 14, 100-105.	7.1	99
24	Stunt or elongate? Two opposite strategies by which rice adapts to floods. Journal of Plant Research, 2010, 123, 303-309.	2.4	86
25	The ethylene response factors SNORKEL1 and SNORKEL2 allow rice to adapt to deep water. Nature, 2009, 460, 1026-1030.	27.8	840
26	Mapping of three QTLs that regulate internode elongation in deepwater rice. Breeding Science, 2008, 58, 39-46.	1.9	45