Nam-Chon Paek

List of Publications by Citations

75 papers	4,213 citations	33 h-index	64 g-index
85 ext. papers	5,513 ext. citations	6.5 avg, IF	5.33 L-index

#	Paper	IF	Citations
75	The SOC1 MADS-box gene integrates vernalization and gibberellin signals for flowering in Arabidopsis. *Plant Journal*, **2003**, 35, 613-23	6.9	404
74	The senescence-induced staygreen protein regulates chlorophyll degradation. *Plant Cell*, **2007**, 19, 1649-64	11.6	353
73	COP1 and ELF3 control circadian function and photoperiodic flowering by regulating GI stability. *Molecular Cell*, **2008**, 32, 617-30	17.6	273
72	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. *Nature Communications*, **2014**, 5, 4636	17.4	243
71	STAY-GREEN and chlorophyll catabolic enzymes interact at light-harvesting complex II for chlorophyll detoxification during leaf senescence in Arabidopsis. *Plant Cell*, **2012**, 24, 507-18	11.6	213
70	Natural variation in OsPRR37 regulates heading date and contributes to rice cultivation at a wide range of latitudes. *Molecular Plant*, **2013**, 6, 1877-88	14.4	185
69	Rice Chlorina-1 and Chlorina-9 encode ChlD and ChlI subunits of Mg-chelatase, a key enzyme for chlorophyll synthesis and chloroplast development. *Plant Molecular Biology*, **2006**, 62, 325-37	4.6	177
68	The Arabidopsis Transcription Factor NAC016 Promotes Drought Stress Responses by Repressing AREB1 Transcription through a Trifurcate Feed-Forward Regulatory Loop Involving NAP. *Plant Cell*, **2015**, 27, 1771-87	11.6	136
67	Rice virescent3 and stripe1 encoding the large and small subunits of ribonucleotide reductase are required for chloroplast biogenesis during early leaf development. *Plant Physiology*, **2009**, 150, 388-401	6.6	134
66	The rice narrow leaf2 and narrow leaf3 loci encode WUSCHEL-related homeobox 3A (OsWOX3A) and function in leaf, spikelet, tiller and lateral root development. *New Phytologist*, **2013**, 198, 1071-1084	9.8	124
65	OsASR5 enhances drought tolerance through a stomatal closure pathway associated with ABA and H O signalling in rice. *Plant Biotechnology Journal*, **2017**, 15, 183-196	11.6	117
64	Mutation of the Arabidopsis NAC016 transcription factor delays leaf senescence. *Plant and Cell Physiology*, **2013**, 54, 1660-72	4.9	108
63	SPL28 encodes a clathrin-associated adaptor protein complex 1, medium subunit micro 1 (AP1M1) and is responsible for spotted leaf and early senescence in rice (Oryza sativa). *New Phytologist*, **2010**, 185, 258-74	9.8	105
62	The rice faded green leaf locus encodes protochlorophyllide oxidoreductase B and is essential for chlorophyll synthesis under high light conditions. *Plant Journal*, **2013**, 74, 122-33	6.9	104
61	AtMYB21, a gene encoding a flower-specific transcription factor, is regulated by COP1. *Plant Journal*, **2002**, 30, 23-32	6.9	101
60	Mutation of Oryza sativa CORONATINE INSENSITIVE 1b (OsCOI1b) delays leaf senescence. *Journal of Integrative Plant Biology*, **2015**, 57, 562-76	8.3	75
59	Rice ONAC106 Inhibits Leaf Senescence and Increases Salt Tolerance and Tiller Angle. *Plant and Cell Physiology*, **2015**, 56, 2325-39	4.9	74

58	Arabidopsis STAY-GREEN2 is a negative regulator of chlorophyll degradation during leaf senescence. *Molecular Plant*, **2014**, 7, 1288-1302	14.4	72
57	Delayed degradation of chlorophylls and photosynthetic proteins in Arabidopsis autophagy mutants during stress-induced leaf yellowing. *Journal of Experimental Botany*, **2014**, 65, 3915-25	7	54
56	The Divergent Roles of STAYGREEN (SGR) Homologs in Chlorophyll Degradation. *Molecules and Cells*, **2015**, 38, 390-5	3.5	52
55	Arabidopsis NAC016 promotes chlorophyll breakdown by directly upregulating STAYGREEN1 transcription. *Plant Cell Reports*, **2016**, 35, 155-66	5.1	51
54	ZEBRA-NECROSIS, a thylakoid-bound protein, is critical for the photoprotection of developing chloroplasts during early leaf development. *Plant Journal*, **2010**, 62, 713-25	6.9	49
53	Quantitative trait loci associated with functional stay-green SNU-SG1 in rice. *Molecules and Cells*, **2007**, 24, 83-94	3.5	49
52	7-Hydroxymethyl chlorophyll a reductase functions in metabolic channeling of chlorophyll breakdown intermediates during leaf senescence. *Biochemical and Biophysical Research Communications*, **2013**, 430, 32-7	3.4	45
51	Arabidopsis STAYGREEN-LIKE (SGRL) promotes abiotic stress-induced leaf yellowing during vegetative growth. *FEBS Letters*, **2014**, 588, 3830-7	3.8	43
50	Mutation of SPOTTED LEAF3 (SPL3) impairs abscisic acid-responsive signalling and delays leaf senescence in rice. *Journal of Experimental Botany*, **2015**, 66, 7045-59	7	40
49	Arabidopsis EARLY FLOWERING3 increases salt tolerance by suppressing salt stress response pathways. *Plant Journal*, **2017**, 92, 1106-1120	6.9	38
48	The rice zebra3 (z3) mutation disrupts citrate distribution and produces transverse dark-green/green variegation in mature leaves. *Rice*, **2018**, 11, 1	5.8	36
47	Natural variation in Early flowering1 contributes to early flowering in japonica rice under long days. *Plant, Cell and Environment*, **2014**, 37, 101-12	8.4	35
46	Quantitative trait locus mapping and candidate gene analysis for plant architecture traits using whole genome re-sequencing in rice. *Molecules and Cells*, **2014**, 37, 149-60	3.5	35
45	OsWOX3A is involved in negative feedback regulation of the gibberellic acid biosynthetic pathway in rice (Oryza sativa). *Journal of Experimental Botany*, **2016**, 67, 1677-87	7	34
44	Leaf variegation in the rice zebra2 mutant is caused by photoperiodic accumulation of tetra-cis-lycopene and singlet oxygen. *Molecules and Cells*, **2012**, 33, 87-97	3.5	34
43	The F-box protein FKF1 inhibits dimerization of COP1 in the control of photoperiodic flowering. *Nature Communications*, **2017**, 8, 2259	17.4	34
42	Rice FLAVIN-BINDING, KELCH REPEAT, F-BOX 1 (OsFKF1) promotes flowering independent of photoperiod. *Plant, Cell and Environment*, **2015**, 38, 2527-40	8.4	30
41	Two NADPH: Protochlorophyllide Oxidoreductase (POR) Isoforms Play Distinct Roles in Environmental Adaptation in Rice. *Rice*, **2017**, 10, 1	5.8	25

40	The E3 Ubiquitin Ligase COP1 Regulates Thermosensory Flowering by Triggering GI Degradation in Arabidopsis. *Scientific Reports*, **2015**, 5, 12071	4.9	25
39	Gibberellic Acid: A Key Phytohormone for Spikelet Fertility in Rice Grain Production. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	25
38	Rice Phytochrome B (OsPhyB) Negatively Regulates Dark- and Starvation-Induced Leaf Senescence. *Plants*, **2015**, 4, 644-63	4.5	24
37	Multilayered Regulation of Membrane-Bound ONAC054 Is Essential for Abscisic Acid-Induced Leaf Senescence in Rice. *Plant Cell*, **2020**, 32, 630-649	11.6	24
36	Overexpression of Rice () Confers Enhanced Tolerance to Salt Stress in Rice. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	23
35	Rice NARROW LEAF1 Regulates Leaf and Adventitious Root Development. *Plant Molecular Biology Reporter*, **2014**, 32, 270-281	1.7	23
34	Casein kinases I and 2 phosphorylate oryza sativa pseudo-response regulator 37 (OsPRR37) in photoperiodic flowering in rice. *Molecules and Cells*, **2015**, 38, 81-8	3.5	22
33	Mutation of Rice Early Flowering3.1 (OsELF3.1) delays leaf senescence in rice. *Plant Molecular Biology*, **2016**, 92, 223-34	4.6	22
32	Rice transcription factor OsMYB102 delays leaf senescence by down-regulating abscisic acid accumulation and signaling. *Journal of Experimental Botany*, **2019**, 70, 2699-2715	7	20
31	GIGANTEA Shapes the Photoperiodic Rhythms of Thermomorphogenic Growth in Arabidopsis. *Molecular Plant*, **2020**, 13, 459-470	14.4	19
30	Rice WUSCHEL-related homeobox 3A (OsWOX3A) modulates auxin-transport gene expression in lateral root and root hair development. *Plant Signaling and Behavior*, **2013**, 8, doi: 10.4161/psb.25929	2.5	19
29	Rice ETHYLENE RESPONSE FACTOR 101 Promotes Leaf Senescence Through Jasmonic Acid-Mediated Regulation of and. *Frontiers in Plant Science*, **2020**, 11, 1096	6.2	19
28	The MYB-related transcription factor RADIALIS-LIKE3 (OsRL3) functions in ABA-induced leaf senescence and salt sensitivity in rice. *Environmental and Experimental Botany*, **2018**, 156, 86-95	5.9	19
27	The Rice Floral Repressor Early flowering1 Affects Spikelet Fertility By Modulating Gibberellin Signaling. *Rice*, **2015**, 8, 58	5.8	17
26	Rice Phytochrome-Interacting Factor-Like1 (OsPIL1) is involved in the promotion of chlorophyll biosynthesis through feed-forward regulatory loops. *Journal of Experimental Botany*, **2017**, 68, 4103-4114	7	16
25	Post-translational regulation of FLC is mediated by an E3 ubiquitin ligase activity of SINAT5 in Arabidopsis. *Plant Science*, **2007**, 173, 269-275	5.3	16
24	OsWRKY5 Promotes Rice Leaf Senescence via Senescence-Associated NAC and Abscisic Acid Biosynthesis Pathway. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
23	Rice DNA-Binding One Zinc Finger 24 (OsDOF24) Delays Leaf Senescence in a Jasmonate-Mediated Pathway. *Plant and Cell Physiology*, **2019**, 60, 2065-2076	4.9	14

22	Mutation of Enhances Grain Yield by Increasing Panicle Number and Delaying Leaf Senescence during Grain Filling in Rice. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14
21	Rice 7-Hydroxymethyl Chlorophyll Reductase Is Involved in the Promotion of Chlorophyll Degradation and Modulates Cell Death Signaling. *Molecules and Cells*, **2017**, 40, 773-786	3.5	13
20	The Rice () Encodes a Plant Spastin That Inhibits ROS Accumulation in Leaf Development and Functions in Leaf Senescence. *Frontiers in Plant Science*, **2018**, 9, 1925	6.2	12
19	The Rice Rolled Fine Striped (RFS) CHD3/Mi-2 Chromatin Remodeling Factor Epigenetically Regulates Genes Involved in Oxidative Stress Responses During Leaf Development. *Frontiers in Plant Science*, **2018**, 9, 364	6.2	12
18	The rice bright green leaf (bgl) locus encodes OsRopGEF10, which activates the development of small cuticular papillae on leaf surfaces. *Plant Molecular Biology*, **2011**, 77, 631-41	4.6	11
17	Negative regulatory roles of DE-ETIOLATED1 in flowering time in Arabidopsis. *Scientific Reports*, **2015**, 5, 9728	4.9	10
16	Chlorophyll Degradation and Light-harvesting Complex II Aggregate Formation During Dark-induced Leaf Senescence in Arabidopsis Pheophytinase Mutants **2019**, 62, 27-38		9
15	Characterization and genetic analysis of a low-temperature-sensitive mutant, sy-2, in Capsicum chinense. *Theoretical and Applied Genetics*, **2011**, 122, 459-70	6	9
14	Expression of hpa1 Gene Encoding a Bacterial Harpin Protein in Xanthomonas oryzae pv. oryzae Enhances Disease Resistance to Both Fungal and Bacterial Pathogens in Rice and Arabidopsis. *Plant Pathology Journal*, **2012**, 28, 364-372	2.5	9
13	Functional deficiency of phytochrome B improves salt tolerance in rice. *Environmental and Experimental Botany*, **2018**, 148, 100-108	5.9	8
12	Genome-Wide Analysis of Genes Induced by Fusarium graminearum Infection in Resistant and Susceptible Wheat Cultivars **2012**, 55, 64-72		8
11	Salt Treatments and Induction of Senescence. *Methods in Molecular Biology*, **2018**, 1744, 141-149	1.4	7
10	Inactivating transcription factor OsWRKY5 enhances drought tolerance through abscisic acid signaling pathways. *Plant Physiology*, **2021**,	6.6	7
9	Roles of rice PHYTOCHROME-INTERACTING FACTOR-LIKE1 (OsPIL1) in leaf senescence. *Plant Signaling and Behavior*, **2017**, 12, e1362522	2.5	6
8	The Rice () Determines Leaf Angle and Grain Shape. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
7	The serine proteinase inhibitor OsSerpin is a potent tillering regulator in rice **2007**, 50, 600-604		5
6	Regulatory role of the OsWOX3A transcription factor in rice root development. *Plant Signaling and Behavior*, **2016**, 11, e1184807	2.5	5
5	Light-dependent suppression of COP1 multimeric complex formation is determined by the blue-light receptor FKF1 in Arabidopsis. *Biochemical and Biophysical Research Communications*, **2019**, 508, 191-197	3.4	4

4	CONSTITUTIVE PHOTOMORPHOGENIC 10 (COP10) Contributes to Floral Repression under Non-Inductive Short Days in Arabidopsis. *International Journal of Molecular Sciences*, **2015**, 16, 26493-505	6.3	1
3	Photoblastism and Ecophysiology of Seed Germination in Weedy Rice. *Agronomy Journal*, **2003**, 95, 184-190	1.2	1
2	Histone Deacetylases in Rice Development and Stress Responses1		0
1	Antisense expression of a staygreen gene (SGR) delays leaf senescence in creeping bentgrass. *Rapid Communication in Photoscience*, **2014**, 3, 28-31		