

Yasuhito Sakuraba

List of Publications by Citations

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46
papers

5,976
citations

26
h-index

51
g-index

51
ext. papers

7,304
ext. citations

7
avg, IF

5.13
L-index

#	Paper	IF	Citations
46	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
45	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. <i>Nature Communications</i> , 2014 , 5, 4636	17.4	243
44	STAY-GREEN and chlorophyll catabolic enzymes interact at light-harvesting complex II for chlorophyll detoxification during leaf senescence in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 507-18	11.6	213
43	The Arabidopsis Transcription Factor NAC016 Promotes Drought Stress Responses by Repressing AREB1 Transcription through a Trifurcate Feed-Forward Regulatory Loop Involving NAP. <i>Plant Cell</i> , 2015 , 27, 1771-87	11.6	136
42	Mutation of the Arabidopsis NAC016 transcription factor delays leaf senescence. <i>Plant and Cell Physiology</i> , 2013 , 54, 1660-72	4.9	108
41	The rice faded green leaf locus encodes protochlorophyllide oxidoreductase ^B and is essential for chlorophyll synthesis under high light conditions. <i>Plant Journal</i> , 2013 , 74, 122-33	6.9	104
40	A NIGT1-centred transcriptional cascade regulates nitrate signalling and incorporates phosphorus starvation signals in Arabidopsis. <i>Nature Communications</i> , 2018 , 9, 1376	17.4	101
39	Arabidopsis NAC transcription factor JUB1 regulates GA/BR metabolism and signalling. <i>Nature Plants</i> , 2016 , 2, 16013	11.5	92
38	Mutation of <i>Oryza sativa</i> CORONATINE INSENSITIVE 1b (OsCOI1b) delays leaf senescence. <i>Journal of Integrative Plant Biology</i> , 2015 , 57, 562-76	8.3	75
37	Rice ONAC106 Inhibits Leaf Senescence and Increases Salt Tolerance and Tiller Angle. <i>Plant and Cell Physiology</i> , 2015 , 56, 2325-39	4.9	74
36	Clp protease controls chlorophyll b synthesis by regulating the level of chlorophyllide a oxygenase. <i>Plant Journal</i> , 2007 , 49, 800-9	6.9	73
35	Arabidopsis STAY-GREEN2 is a negative regulator of chlorophyll degradation during leaf senescence. <i>Molecular Plant</i> , 2014 , 7, 1288-1302	14.4	72
34	Delayed degradation of chlorophylls and photosynthetic proteins in Arabidopsis autophagy mutants during stress-induced leaf yellowing. <i>Journal of Experimental Botany</i> , 2014 , 65, 3915-25	7	54
33	The Divergent Roles of STAYGREEN (SGR) Homologs in Chlorophyll Degradation. <i>Molecules and Cells</i> , 2015 , 38, 390-5	3.5	52
32	Overproduction of chl B retards senescence through transcriptional reprogramming in Arabidopsis. <i>Plant and Cell Physiology</i> , 2012 , 53, 505-17	4.9	52
31	Arabidopsis NAC016 promotes chlorophyll breakdown by directly upregulating STAYGREEN1 transcription. <i>Plant Cell Reports</i> , 2016 , 35, 155-66	5.1	51
30	Deregulated chlorophyll b synthesis reduces the energy transfer rate between photosynthetic pigments and induces photodamage in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2010 , 51, 1055-65	4.9	46

29	7-Hydroxymethyl chlorophyll a reductase functions in metabolic channeling of chlorophyll breakdown intermediates during leaf senescence. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 32-7	3.4	45
28	Arabidopsis STAYGREEN-LIKE (SGRL) promotes abiotic stress-induced leaf yellowing during vegetative growth. <i>FEBS Letters</i> , 2014 , 588, 3830-7	3.8	43
27	Determination of a chloroplast degron in the regulatory domain of chlorophyllide a oxygenase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 36689-36699	5.4	43
26	A phytochrome-B-mediated regulatory mechanism of phosphorus acquisition. <i>Nature Plants</i> , 2018 , 4, 1089-1101	11.5	42
25	Mutation of SPOTTED LEAF3 (SPL3) impairs abscisic acid-responsive signalling and delays leaf senescence in rice. <i>Journal of Experimental Botany</i> , 2015 , 66, 7045-59	7	40
24	Arabidopsis EARLY FLOWERING3 increases salt tolerance by suppressing salt stress response pathways. <i>Plant Journal</i> , 2017 , 92, 1106-1120	6.9	38
23	Leaf variegation in the rice zebra2 mutant is caused by photoperiodic accumulation of tetra-cis-lycopene and singlet oxygen. <i>Molecules and Cells</i> , 2012 , 33, 87-97	3.5	34
22	The F-box protein FKF1 inhibits dimerization of COP1 in the control of photoperiodic flowering. <i>Nature Communications</i> , 2017 , 8, 2259	17.4	34
21	A Jasmonate-Activated MYC2-Dof2.1-MYC2 Transcriptional Loop Promotes Leaf Senescence in Arabidopsis. <i>Plant Cell</i> , 2020 , 32, 242-262	11.6	28
20	Functional analysis of N-terminal domains of Arabidopsis chlorophyllide a oxygenase. <i>Plant Physiology and Biochemistry</i> , 2007 , 45, 740-9	5.4	25
19	Rice Phytochrome B (OsPhyB) Negatively Regulates Dark- and Starvation-Induced Leaf Senescence. <i>Plants</i> , 2015 , 4, 644-63	4.5	24
18	Multilayered Regulation of Membrane-Bound ONAC054 Is Essential for Abscisic Acid-Induced Leaf Senescence in Rice. <i>Plant Cell</i> , 2020 , 32, 630-649	11.6	24
17	Light signalling-induced regulation of nutrient acquisition and utilisation in plants. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 83, 123-132	7.5	23
16	Mutation of Rice Early Flowering3.1 (OsELF3.1) delays leaf senescence in rice. <i>Plant Molecular Biology</i> , 2016 , 92, 223-34	4.6	22
15	Rice transcription factor OsMYB102 delays leaf senescence by down-regulating abscisic acid accumulation and signaling. <i>Journal of Experimental Botany</i> , 2019 , 70, 2699-2715	7	20
14	Rice ETHYLENE RESPONSE FACTOR 101 Promotes Leaf Senescence Through Jasmonic Acid-Mediated Regulation of and. <i>Frontiers in Plant Science</i> , 2020 , 11, 1096	6.2	19
13	Rice Phytochrome-Interacting Factor-Like1 (OsPIL1) is involved in the promotion of chlorophyll biosynthesis through feed-forward regulatory loops. <i>Journal of Experimental Botany</i> , 2017 , 68, 4103-4114	7	16
12	Rice 7-Hydroxymethyl Chlorophyll Reductase Is Involved in the Promotion of Chlorophyll Degradation and Modulates Cell Death Signaling. <i>Molecules and Cells</i> , 2017 , 40, 773-786	3.5	13

11	Chlorophyll Degradation and Light-harvesting Complex II Aggregate Formation During Dark-induced Leaf Senescence in Arabidopsis Pheophytinase Mutants 2019 , 62, 27-38		9
10	Salt Treatments and Induction of Senescence. <i>Methods in Molecular Biology</i> , 2018 , 1744, 141-149	1.4	7
9	Roles of rice PHYTOCHROME-INTERACTING FACTOR-LIKE1 (OsPIL1) in leaf senescence. <i>Plant Signaling and Behavior</i> , 2017 , 12, e1362522	2.5	6
8	Environmental Control of Phosphorus Acquisition: A Piece of the Molecular Framework Underlying Nutritional Homeostasis. <i>Plant and Cell Physiology</i> , 2021 , 62, 573-581	4.9	6
7	Enhanced NRT1.1/NPF6.3 expression in shoots improves growth under nitrogen deficiency stress in Arabidopsis. <i>Communications Biology</i> , 2021 , 4, 256	6.7	6
6	Characterization of Arabidopsis mutants defective in the regulation of chlorophyllide a oxygenase. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1196-205	4.2	4
5	NIGT1 family proteins exhibit dual mode DNA recognition to regulate nutrient response-associated genes in Arabidopsis. <i>PLoS Genetics</i> , 2020 , 16, e1009197	6	4
4	Effect of phytochrome-mediated red light signaling on phosphorus uptake and accumulation in rice. <i>Soil Science and Plant Nutrition</i> , 2020 , 66, 745-754	1.6	2
3	CONSTITUTIVE PHOTOMORPHOGENIC 10 (COP10) Contributes to Floral Repression under Non-Inductive Short Days in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 26493-505	6.3	1
2	Arabidopsis nitrate-induced aspartate oxidase gene expression is necessary to maintain metabolic balance under nitrogen nutrient fluctuation.. <i>Communications Biology</i> , 2022 , 5, 432	6.7	1
1	Analysis of the N-Terminal Domain of Chlorophyllide a Oxygenase by Random Mutagenesis 2008 , 1043-1046		