Fumiyoshi Myouga

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28 papers	2,539 citations	23 h-index	28 g-index
28 ext. papers	3,165 ext. citations	6.5 avg, IF	4.38 L-index

#	Paper	IF	Citations
28	Type 2C protein phosphatases directly regulate abscisic acid-activated protein kinases in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17588-93	11.5	681
27	Conserved domain structure of pentatricopeptide repeat proteins involved in chloroplast RNA editing. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 8178-83	11.5	232
26	A heterocomplex of iron superoxide dismutases defends chloroplast nucleoids against oxidative stress and is essential for chloroplast development in Arabidopsis. *Plant Cell*, **2008**, 20, 3148-62	11.6	201
25	Pentatricopeptide repeat proteins with the DYW motif have distinct molecular functions in RNA editing and RNA cleavage in Arabidopsis chloroplasts. *Plant Cell*, **2009**, 21, 146-56	11.6	184
24	Identification of nuclear genes encoding chloroplast-localized proteins required for embryo development in Arabidopsis. *Plant Physiology*, **2011**, 155, 1678-89	6.6	155
23	SNAC-As, stress-responsive NAC transcription factors, mediate ABA-inducible leaf senescence. *Plant Journal*, **2015**, 84, 1114-23	6.9	122
22	Landscape of the lipidome and transcriptome under heat stress in Arabidopsis thaliana. *Scientific Reports*, **2015**, 5, 10533	4.9	112
21	LIL3, a light-harvesting-like protein, plays an essential role in chlorophyll and tocopherol biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 16721-5	11.5	87
20	The pentatricopeptide repeat protein OTP82 is required for RNA editing of plastid ndhB and ndhG transcripts. *Plant Journal*, **2010**, 61, 339-49	6.9	82
19	A chaperonin subunit with unique structures is essential for folding of a specific substrate. *PLoS Biology*, **2011**, 9, e1001040	9.7	66
18	An Arabidopsis homolog of the bacterial peptidoglycan synthesis enzyme MurE has an essential role in chloroplast development. *Plant Journal*, **2008**, 53, 924-34	6.9	65
17	CRR23/NdhL is a subunit of the chloroplast NAD(P)H dehydrogenase complex in Arabidopsis. *Plant and Cell Physiology*, **2008**, 49, 835-42	4.9	63
16	An Arabidopsis chloroplast-targeted Hsp101 homologue, APG6, has an essential role in chloroplast development as well as heat-stress response. *Plant Journal*, **2006**, 48, 249-60	6.9	62
15	Evolutionary persistence of functional compensation by duplicate genes in Arabidopsis. *Genome Biology and Evolution*, **2009**, 1, 409-14	3.9	56
14	The Chloroplast Function Database: a large-scale collection of Arabidopsis Ds/Spm- or T-DNA-tagged homozygous lines for nuclear-encoded chloroplast proteins, and their systematic phenotype analysis. *Plant Journal*, **2010**, 61, 529-42	6.9	54
13	Chloroplast ribosome release factor 1 (AtcpRF1) is essential for chloroplast development. *Plant Molecular Biology*, **2007**, 64, 481-97	4.6	50
12	Remodels Chloroplastic Monogalactosyldiacylglycerol by Liberating □-Linolenic Acid in Arabidopsis Leaves under Heat Stress. *Plant Cell*, **2018**, 30, 1887-1905	11.6	40

List of Publications

11	Stable Accumulation of Photosystem II Requires ONE-HELIX PROTEIN1 (OHP1) of the Light Harvesting-Like Family. *Plant Physiology*, **2018**, 176, 2277-2291	6.6	39
10	Integrated analysis of transcriptome and metabolome of Arabidopsis albino or pale green mutants with disrupted nuclear-encoded chloroplast proteins. *Plant Molecular Biology*, **2014**, 85, 411-28	4.6	31
9	Increased expression and protein divergence in duplicate genes is associated with morphological diversification. *PLoS Genetics*, **2009**, 5, e1000781	6	31
8	Genetic and immunological analyses of Vls (VMP-like sequences) of Borrelia burgdorferi. *Microbial Pathogenesis*, **1998**, 24, 155-66	3.8	29
7	The Chloroplast Function Database II: a comprehensive collection of homozygous mutants and their phenotypic/genotypic traits for nuclear-encoded chloroplast proteins. *Plant and Cell Physiology*, **2013**, 54, e2	4.9	27
6	Identification and structural analysis of SINE elements in the Arabidopsis thaliana genome. *Genes and Genetic Systems*, **2001**, 76, 169-79	1.4	25
5	Loss of the plastid envelope protein AtLrgB causes spontaneous chlorotic cell death in Arabidopsis thaliana. *Plant and Cell Physiology*, **2012**, 53, 125-34	4.9	20
4	Genomic differences in Streptococcus pyogenes serotype M3 between recent isolates associated with toxic shock-like syndrome and past clinical isolates. *Journal of Infectious Diseases*, **2000**, 181, 975-83	7	19
3	Bending of protonema cells in a plastid glycolate/glycerate transporter knockout line of Physcomitrella patens. *PLoS ONE*, **2015**, 10, e0118804	3.7	6
2	Characterization of photosystem II assembly complexes containing ONE-HELIX PROTEIN1 in Arabidopsis thaliana.. *Journal of Plant Research*, **2022**, 135, 361	2.6	0
1	Detection of new DNA fragments integrated on the genome of M1 and M3 group A streptococci from streptococcal toxic shock-like syndrome. *Advances in Experimental Medicine and Biology*, **1997**, 418, 63-5	3.6	