Daisuke Urano

List of Publications by Year
in descending order

39	1,862	361045	377514
papers	citations	20 h-index	34 g-index

42	42	42	1611
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heterotrimeric G protein signalling in the plant kingdom. Open Biology, 2013, 3, 120186.	1.5	218
2	Arabidopsis Gâ€protein interactome reveals connections to cell wall carbohydrates and morphogenesis. Molecular Systems Biology, 2011, 7, 532.	3.2	191
3	Heterotrimeric G Proteinâ€“Coupled Signaling in Plants. Annual Review of Plant Biology, 2014, 65, 365-384.	8.6	173
4	Endocytosis of the seven-transmembrane RGS1 protein activates G-protein-coupled signalling in Arabidopsis. Nature Cell Biology, 2012, 14, 1079-1088.	4.6	155
5	G Protein Activation without a GEF in the Plant Kingdom. PLoS Genetics, 2012, 8, e1002756.	1.5	110
6	A nondestructive method to estimate the chlorophyll content of Arabidopsis seedlings. Plant Methods, 2017, 13, 26.	1.9	91
7	Reciprocal Encoding of Signal Intensity and Duration in a Glucose-Sensing Circuit. Cell, 2014, 156, 1084-1095.	13.5	78
8	Saltational evolution of the heterotrimeric G protein signaling mechanisms in the plant kingdom. Science Signaling, 2016, 9, ra93.	1.6	71
9	Plant Morphology of Heterotrimeric G Protein Mutants. Plant and Cell Physiology, 2016, 57, 437-445.	1.5	68
10	Eukaryotic G Protein Signaling Evolved to Require G Proteinâ€“Coupled Receptors for Activation. Science Signaling, 2013, 6, ra37.	1.6	66
11	Direct Modulation of Heterotrimeric G Protein-coupled Signaling by a Receptor Kinase Complex. Journal of Biological Chemistry, 2016, 291, 13918-13925.	1.6	59
12	GÎ± modulates salt-induced cellular senescence and cell division in rice and maize. Journal of Experimental Botany, 2014, 65, 6553-6561.	2.4	53
13	Domainâ€“domain interaction of P-Rex1 is essential for the activation and inhibition by G protein Î²Î³ subunits and PKA. Cellular Signalling, 2008, 20, 1545-1554.	1.7	52
14	â€œRound Up the Usual Suspectsâ€: A Comment on Nonexistent Plant G Protein-Coupled Receptors Â Â. Plant Physiology, 2013, 161, 1097-1102.	2.3	45
15	Evolutionarily conserved hierarchical gene regulatory networks for plant salt stress response. Nature Plants, 2021, 7, 787-799.	4.7	45
16	Evidence for an unusual transmembrane configuration of AGG3, a class C GÎ³ subunit of Arabidopsis. Plant Journal, 2015, 81, 388-398.	2.8	41
17	Arabidopsis Receptor of Activated C Kinase1 Phosphorylation by WITH NO LYSINE8 KINASE. Plant Physiology, 2015, 167, 507-516.	2.3	38
18	Gâ€protein signalling negatively regulates the stability of aryl hydrocarbon receptor. EMBO Reports, 2009, 10, 622-628.	2.0	32

#	Article	IF	Citations
19	Nudgeâ€nudge, <scp>WNK</scp>â€<scp>WNK</scp> (kinases), say no more?. New Phytologist, 2018, 220, 35-48.	3.5	32
20	Predicted Functional Implications of Phosphorylation of Regulator of G Protein Signaling Protein in Plants. Frontiers in Plant Science, 2017, 8, 1456.	1.7	25
21	Nucleotide exchangeâ€“dependent and nucleotide exchangeâ€“independent functions of plant heterotrimeric GTP-binding proteins. Science Signaling, 2019, 12, .	1.6	24
22	Tyrosine phosphorylation switching of a G protein. Journal of Biological Chemistry, 2018, 293, 4752-4766.	1.6	23
23	The RopGEF KARAPPO Is Essential for the Initiation of Vegetative Reproduction in Marchantia polymorpha. Current Biology, 2019, 29, 3525-3531.e7.	1.8	23
24	A G protein alpha null mutation confers prolificacy potential in maize. Journal of Experimental Botany, 2015, 66, 4511-4515.	2.4	21
25	Crosstalk between heterotrimeric G protein-coupled signaling pathways and WRKY transcription factors modulating plant responses to suboptimal micronutrient conditions. Journal of Experimental Botany, 2020, 71, 3227-3239.	2.4	19
26	Adaptive Evolution of Signaling Partners. Molecular Biology and Evolution, 2015, 32, 998-1007.	3.5	17
27	Sugar-induced endocytosis of plant 7TM-RGS proteins. Plant Signaling and Behavior, 2013, 8, e22814.	1.2	15
28	GTP binding by Arabidopsis extra-large G protein 2 is not essential for its functions. Plant Physiology, 2021, 186, 1240-1253.	2.3	15
29	Genetic and Systematic Approaches Toward G Protein-Coupled Abiotic Stress Signaling in Plants. Frontiers in Plant Science, 2018, 9, 1378.	1.7	14
30	Quantitative morphological phenomics of rice G protein mutants portend autoimmunity. Developmental Biology, 2020, 457, 83-90.	0.9	14
31	Novel Mutant Alleles Reveal a Role of the Extra-Large G Protein in Rice Grain Filling, Panicle Architecture, Plant Growth, and Disease Resistance. Frontiers in Plant Science, 2021, 12, 782960.	1.7	14
32	Cell-free translation and purification of Arabidopsis thaliana regulator of G signaling 1 protein. Protein Expression and Purification, 2016, 126, 33-41.	0.6	8
33	Activation of an unusual G-protein in the simple protistTrichomonas vaginalis. Cell Cycle, 2013, 12, 3127-3128.	1.3	6
34	Handheld Multifunctional Fluorescence Imager for Non-invasive Plant Phenotyping. Frontiers in Plant Science, 2022, 13, 822634.	1.7	4
35	PrP. , 2012, , 1488-1488.		0
36	P-Rex. , 2016, , 1-5.		0

#	Article	IF	Citations
37	P-Rex. , 2018, , 4138-4142.		0
38	The RopGEF KARAPPO is Essential for the Initiation of Vegetative Reproduction in Marchantia. SSRN Electronic Journal, 0, , .	0.4	0
39	Interplay between ARABIDOPSIS GÎ² and WRKY transcription factors differentiates environmental stress responses. Plant Physiology, 0, , .	2.3	0