Yuri Trusov

List of Publications by Year in descending order

33 papers	2,051 citations	361045 20 h-index	395343 33 g-index
33 all docs	33 docs citations	33 times ranked	1693 citing authors

#	Article	IF	Citations
1	Heterotrimeric G Proteins Facilitate Arabidopsis Resistance to Necrotrophic Pathogens and Are Involved in Jasmonate Signaling. Plant Physiology, 2006, 140, 210-220.	2.3	210
2	Arabidopsis Gâ€protein interactome reveals connections to cell wall carbohydrates and morphogenesis. Molecular Systems Biology, 2011, 7, 532.	3.2	191
3	An atypical heterotrimeric Gâ€protein Î³â€subunit is involved in guard cell K⁺â€channel regulation and morphological development in Arabidopsis thaliana. Plant Journal, 2011, 67, 840-851.	2.8	190
4	Heterotrimeric G Protein Î³ Subunits Provide Functional Selectivity in GÎ²Î³ Dimer Signaling in Arabidopsis. Plant Cell, 2007, 19, 1235-1250.	3.1	176
5	Heterotrimeric G proteinsâ€mediated resistance to necrotrophic pathogens includes mechanisms independent of salicylic acidâ€, jasmonic acid/ethyleneâ€and abscisic acidâ€mediated defense signaling. Plant Journal, 2009, 58, 69-81.	2.8	149
6	Down-regulation of Fusarium oxysporum endogenous genes by Host-Delivered RNA interference enhances disease resistance. Frontiers in Chemistry, 2015, 3, 1.	1.8	134
7	Membrane-Localized Extra-Large G Proteins and GÎ²Î³ of the Heterotrimeric G Proteins Form Functional Complexes Engaged in Plant Immunity in Arabidopsis. Plant Physiology, 2015, 167, 1004-1016.	2.3	103
8	Silencing of the ACC synthase gene ACACS2 causes delayed flowering in pineapple [Ananas comosus (L.) Merr.]. Journal of Experimental Botany, 2006, 57, 3953-3960.	2.4	94
9	Diversity of heterotrimeric G-protein Î³ subunits in plants. BMC Research Notes, 2012, 5, 608.	0.6	91
10	GÎ³1+GÎ³2+GÎ³3=GÎ²: The search for heterotrimeric G-protein Î³ subunits in Arabidopsis is over. Journal of Plant Physiology, 2012, 169, 542-545.	1.6	88
11	GÎ³1 + GÎ³2 =Ì¸ GÎ²: Heterotrimeric G Protein GÎ³-Deficient Mutants Do Not Recapitulate All Phenotypes of GÎ²-Deficient Mutants Â Â Â. Plant Physiology, 2008, 147, 636-649.	2.3	75
12	Saltational evolution of the heterotrimeric G protein signaling mechanisms in the plant kingdom. Science Signaling, 2016, 9, ra93.	1.6	71
13	Plant G-Proteins Come of Age: Breaking the Bond with Animal Models. Frontiers in Chemistry, 2016, 4, 24.	1.8	67
14	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. Journal of Plant Physiology, 2015, 188, 44-48.	1.6	61
15	Characterization of ATDRG1, a member of a new class of GTP-binding proteins in plants. Plant Molecular Biology, 1999, 39, 1113-1126.	2.0	41
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	Type B Heterotrimeric G Protein Î³-Subunit Regulates Auxin and ABA Signaling in Tomato. Plant Physiology, 2016, 170, 1117-1134.	2.3	38
18	Effects of externally supplied protein on root morphology and biomass allocation in Arabidopsis. Scientific Reports, 2014, 4, 5055.	1.6	29

#	Article	IF	Citations
19	Nucleotide exchangeâ€“dependent and nucleotide exchangeâ€“independent functions of plant heterotrimeric GTP-binding proteins. Science Signaling, 2019, 12, .	1.6	24
20	Heterotrimeric G-proteins facilitate resistance to plant pathogenic viruses in Arabidopsis thaliana (L.) Heynh. Plant Signaling and Behavior, 2016, 11, e1212798.	1.2	21
21	Signaling Specificity Provided by the Arabidopsis thaliana Heterotrimeric G-Protein Î³ Subunits AGG1 and AGG2 Is Partially but Not Exclusively Provided through Transcriptional Regulation. PLoS ONE, 2013, 8, e58503.	1.1	21
22	G Proteins and Plant Innate Immunity. Signaling and Communication in Plants, 2010, , 221-250.	0.5	19
23	Dissecting Arabidopsis GÎ² Signal Transduction on the Protein Surface Â Â. Plant Physiology, 2012, 159, 975-983.	2.3	18
24	New faces in plant innate immunity: heterotrimeric G proteins. Journal of Plant Biochemistry and Biotechnology, 2012, 21, 40-47.	0.9	16
25	Yeast Three-Hybrid System for the Detection of Protein-Protein Interactions. Methods in Molecular Biology, 2016, 1363, 145-154.	0.4	15
26	GTP binding by Arabidopsis extra-large G protein 2 is not essential for its functions. Plant Physiology, 2021, 186, 1240-1253.	2.3	15
27	Differential regulation of G protein signaling in Arabidopsis through two distinct pathways that internalize AtRGS1. Science Signaling, 2021, 14, .	1.6	13
28	Heterotrimeric G Proteins in Plants: Canonical and Atypical GÎ± Subunits. International Journal of Molecular Sciences, 2021, 22, 11841.	1.8	13
29	Manipulating assimilate availability provides insight into the genes controlling grain size in sorghum. Plant Journal, 2021, 108, 231-243.	2.8	9
30	Fusarium oxysporum Infection Assays in Arabidopsis. Methods in Molecular Biology, 2013, 1043, 67-72.	0.4	7
31	Evolution of the Regular Zone of Histone H1 in Fabaceae Plants. Journal of Molecular Evolution, 2004, 59, 546-555.	0.8	6
32	Tomato and cotton G protein beta subunit mutants display constitutive autoimmune responses. Plant Direct, 2021, 5, e359.	0.8	4
33	Simplified Assays for Evaluation of Resistance to Alternaria brassicicola and Turnip Mosaic Virus. Methods in Molecular Biology, 2016, 1363, 219-228.	0.4	1