## Yuri Trusov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	GTP binding by Arabidopsis extra-large G protein 2 is not essential for its functions. Plant Physiology, 2021, 186, 1240-1253.	4.8	15
2	Manipulating assimilate availability provides insight into the genes controlling grain size in sorghum. Plant Journal, 2021, 108, 231-243.	5.7	9
3	Differential regulation of G protein signaling in <i>Arabidopsis</i> through two distinct pathways that internalize AtRGS1. Science Signaling, 2021, 14, .	3.6	13
4	Heterotrimeric G Proteins in Plants: Canonical and Atypical Gα Subunits. International Journal of Molecular Sciences, 2021, 22, 11841.	4.1	13
5	Tomato and cotton G protein beta subunit mutants display constitutive autoimmune responses. Plant Direct, 2021, 5, e359.	1.9	4
6	Nucleotide exchange–dependent and nucleotide exchange–independent functions of plant heterotrimeric GTP-binding proteins. Science Signaling, 2019, 12, .	3.6	24
7	Plant G-Proteins Come of Age: Breaking the Bond with Animal Models. Frontiers in Chemistry, 2016, 4, 24.	3.6	67
8	Heterotrimeric G-proteins facilitate resistance to plant pathogenic viruses in <i>Arabidopsis thaliana</i> (L.) Heynh. Plant Signaling and Behavior, 2016, 11, e1212798.	2.4	21
9	Saltational evolution of the heterotrimeric G protein signaling mechanisms in the plant kingdom. Science Signaling, 2016, 9, ra93.	3.6	71
10	Yeast Three-Hybrid System for the Detection of Protein-Protein Interactions. Methods in Molecular Biology, 2016, 1363, 145-154.	0.9	15
11	Type B Heterotrimeric G Protein <i>γ</i> -Subunit Regulates Auxin and ABA Signaling in Tomato. Plant Physiology, 2016, 170, 1117-1134.	4.8	38
12	Simplified Assays for Evaluation of Resistance to Alternaria brassicicola and Turnip Mosaic Virus. Methods in Molecular Biology, 2016, 1363, 219-228.	0.9	1
13	Membrane-Localized Extra-Large G Proteins and Gβγ of the Heterotrimeric G Proteins Form Functional Complexes Engaged in Plant Immunity in Arabidopsis. Plant Physiology, 2015, 167, 1004-1016.	4.8	103
14	Down-regulation of Fusarium oxysporum endogenous genes by Host-Delivered RNA interference enhances disease resistance. Frontiers in Chemistry, 2015, 3, 1.	3.6	134
15	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. Journal of Plant Physiology, 2015, 188, 44-48.	3.5	61
16	Evidence for an unusual transmembrane configuration of AGG3, a class C GÎ <sup>3</sup> subunit of Arabidopsis. Plant Journal, 2015, 81, 388-398.	5.7	41
17	Effects of externally supplied protein on root morphology and biomass allocation in Arabidopsis. Scientific Reports, 2014, 4, 5055.	3.3	29
18	Fusarium oxysporum Infection Assays in Arabidopsis. Methods in Molecular Biology, 2013, 1043, 67-72.	0.9	7

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19	Signaling Specificity Provided by the Arabidopsis thaliana Heterotrimeric G-Protein γ Subunits AGG1 and AGG2 Is Partially but Not Exclusively Provided through Transcriptional Regulation. PLoS ONE, 2013, 8, e58503.	2.5	21
20	Dissecting Arabidopsis Gβ Signal Transduction on the Protein Surface  Â. Plant Physiology, 2012, 159, 975-983.	4.8	18
21	Gγ1+Gγ2+Gγ3=Gβ: The search for heterotrimeric G-protein γ subunits in Arabidopsis is over. Journal of Plant Physiology, 2012, 169, 542-545.	3.5	88
22	Diversity of heterotrimeric G-protein $\hat{I}^3$ subunits in plants. BMC Research Notes, 2012, 5, 608.	1.4	91
23	New faces in plant innate immunity: heterotrimeric G proteins. Journal of Plant Biochemistry and Biotechnology, 2012, 21, 40-47.	1.7	16
24	Arabidopsis Gâ€protein interactome reveals connections to cell wall carbohydrates and morphogenesis. Molecular Systems Biology, 2011, 7, 532.	7.2	191
25	An atypical heterotrimeric Gâ€protein γâ€subunit is involved in guard cell K <sup>+</sup> â€channel regulation and morphological development in <i>Arabidopsis thaliana</i> . Plant Journal, 2011, 67, 840-851.	5.7	190
26	G Proteins and Plant Innate Immunity. Signaling and Communication in Plants, 2010, , 221-250.	0.7	19
27	Heterotrimeric G proteinsâ€mediated resistance to necrotrophic pathogens includes mechanisms independent of salicylic acidâ€; jasmonic acid/ethylene―and abscisic acidâ€mediated defense signaling. Plant Journal, 2009, 58, 69-81.	5.7	149
28	G <i>Ĵ³</i> 1 + G <i>Ĵ³</i> 2 =Ì, G <i>Ĵ²</i> : Heterotrimeric G Protein G <i>Ĵ³</i> -Deficient Mutants Do Not Recapitulate All Phenotypes of G <i>Ĵ²</i> -Deficient Mutants   Â. Plant Physiology, 2008, 147, 636-649.	4.8	75
29	Heterotrimeric G Protein γ Subunits Provide Functional Selectivity in Gβγ Dimer Signaling in Arabidopsis. Plant Cell, 2007, 19, 1235-1250.	6.6	176
30	Silencing of the ACC synthase gene ACACS2 causes delayed flowering in pineapple [Ananas comosus (L.) Merr.]. Journal of Experimental Botany, 2006, 57, 3953-3960.	4.8	94
31	Heterotrimeric G Proteins Facilitate Arabidopsis Resistance to Necrotrophic Pathogens and Are Involved in Jasmonate Signaling. Plant Physiology, 2006, 140, 210-220.	4.8	210
32	Evolution of the Regular Zone of Histone H1 in Fabaceae Plants. Journal of Molecular Evolution, 2004, 59, 546-555.	1.8	6
33	Characterization of ATDRG1, a member of a new class of GTP-binding proteins in plants. Plant Molecular Biology, 1999, 39, 1113-1126.	3.9	41