

# Yuri Trusov

## List of Publications by Year in descending order

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33  
papers

2,051  
citations

361413  
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docs citations

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1693  
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#	ARTICLE	IF	CITATIONS
1	Heterotrimeric G Proteins Facilitate Arabidopsis Resistance to Necrotrophic Pathogens and Are Involved in Jasmonate Signaling. <i>Plant Physiology</i> , 2006, 140, 210-220.	4.8	210
2	Arabidopsis Gα protein interactome reveals connections to cell wall carbohydrates and morphogenesis. <i>Molecular Systems Biology</i> , 2011, 7, 532.	7.2	191
3	An atypical heterotrimeric Gα protein β subunit is involved in guard cell K <sup>+</sup> channel regulation and morphological development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 840-851.	5.7	190
4	Heterotrimeric G Protein β Subunits Provide Functional Selectivity in G <sup>12</sup> Dimer Signaling in Arabidopsis. <i>Plant Cell</i> , 2007, 19, 1235-1250.	6.6	176
5	Heterotrimeric G proteins-mediated resistance to necrotrophic pathogens includes mechanisms independent of salicylic acid, jasmonic acid/ethylene and abscisic acid-mediated defense signaling. <i>Plant Journal</i> , 2009, 58, 69-81.	5.7	149
6	Down-regulation of <i>Fusarium oxysporum</i> endogenous genes by Host-Delivered RNA interference enhances disease resistance. <i>Frontiers in Chemistry</i> , 2015, 3, 1.	3.6	134
7	Membrane-Localized Extra-Large G Proteins and G <sup>12</sup> of the Heterotrimeric G Proteins Form Functional Complexes Engaged in Plant Immunity in Arabidopsis. <i>Plant Physiology</i> , 2015, 167, 1004-1016.	4.8	103
8	Silencing of the ACC synthase gene ACACS2 causes delayed flowering in pineapple [ <i>Ananas comosus</i> (L.) Merr.]. <i>Journal of Experimental Botany</i> , 2006, 57, 3953-3960.	4.8	94
9	Diversity of heterotrimeric G-protein β subunits in plants. <i>BMC Research Notes</i> , 2012, 5, 608.	1.4	91
10	G <sup>11</sup> +G <sup>12</sup> +G <sup>13</sup> =G <sup>12</sup> : The search for heterotrimeric G-protein β subunits in Arabidopsis is over. <i>Journal of Plant Physiology</i> , 2012, 169, 542-545.	3.5	88
11	G <sup>11</sup> + G <sup>12</sup> = G <sup>12</sup> : Heterotrimeric G Protein G <sup>11</sup> -Deficient Mutants Do Not Recapitulate All Phenotypes of G <sup>12</sup> -Deficient Mutants. <i>Plant Physiology</i> , 2008, 147, 636-649.	4.8	75
12	Saltational evolution of the heterotrimeric G protein signaling mechanisms in the plant kingdom. <i>Science Signaling</i> , 2016, 9, ra93.	3.6	71
13	Plant G-Proteins Come of Age: Breaking the Bond with Animal Models. <i>Frontiers in Chemistry</i> , 2016, 4, 24.	3.6	67
14	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. <i>Journal of Plant Physiology</i> , 2015, 188, 44-48.	3.5	61
15	Characterization of ATDRG1, a member of a new class of GTP-binding proteins in plants. <i>Plant Molecular Biology</i> , 1999, 39, 1113-1126.	3.9	41
16	Evidence for an unusual transmembrane configuration of AGG3, a class C G <sup>13</sup> subunit of Arabidopsis. <i>Plant Journal</i> , 2015, 81, 388-398.	5.7	41
17	Type B Heterotrimeric G Protein β-Subunit Regulates Auxin and ABA Signaling in Tomato. <i>Plant Physiology</i> , 2016, 170, 1117-1134.	4.8	38
18	Effects of externally supplied protein on root morphology and biomass allocation in Arabidopsis. <i>Scientific Reports</i> , 2014, 4, 5055.	3.3	29

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19	Nucleotide exchangeâ€“dependent and nucleotide exchangeâ€“independent functions of plant heterotrimeric GTP-binding proteins. <i>Science Signaling</i> , 2019, 12, .	3.6	24
20	Heterotrimeric G-proteins facilitate resistance to plant pathogenic viruses in <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Plant Signaling and Behavior</i> , 2016, 11, e1212798.	2.4	21
21	Signaling Specificity Provided by the <i>Arabidopsis thaliana</i> Heterotrimeric G-Protein $\beta^3$ Subunits AGG1 and AGG2 Is Partially but Not Exclusively Provided through Transcriptional Regulation. <i>PLoS ONE</i> , 2013, 8, e58503.	2.5	21
22	G Proteins and Plant Innate Immunity. <i>Signaling and Communication in Plants</i> , 2010, , 221-250.	0.7	19
23	Dissecting <i>Arabidopsis</i> $G^{12}$ Signal Transduction on the Protein Surface $\hat{A} \hat{A}$ . <i>Plant Physiology</i> , 2012, 159, 975-983.	4.8	18
24	New faces in plant innate immunity: heterotrimeric G proteins. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 40-47.	1.7	16
25	Yeast Three-Hybrid System for the Detection of Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2016, 1363, 145-154.	0.9	15
26	GTP binding by <i>Arabidopsis</i> extra-large G protein 2 is not essential for its functions. <i>Plant Physiology</i> , 2021, 186, 1240-1253.	4.8	15
27	Differential regulation of G protein signaling in <i>Arabidopsis</i> through two distinct pathways that internalize AtRGS1. <i>Science Signaling</i> , 2021, 14, .	3.6	13
28	Heterotrimeric G Proteins in Plants: Canonical and Atypical $G^{12}$ Subunits. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11841.	4.1	13
29	Manipulating assimilate availability provides insight into the genes controlling grain size in sorghum. <i>Plant Journal</i> , 2021, 108, 231-243.	5.7	9
30	<i>Fusarium oxysporum</i> Infection Assays in <i>Arabidopsis</i> . <i>Methods in Molecular Biology</i> , 2013, 1043, 67-72.	0.9	7
31	Evolution of the Regular Zone of Histone H1 in Fabaceae Plants. <i>Journal of Molecular Evolution</i> , 2004, 59, 546-555.	1.8	6
32	Tomato and cotton G protein beta subunit mutants display constitutive autoimmune responses. <i>Plant Direct</i> , 2021, 5, e359.	1.9	4
33	Simplified Assays for Evaluation of Resistance to <i>Alternaria brassicicola</i> and Turnip Mosaic Virus. <i>Methods in Molecular Biology</i> , 2016, 1363, 219-228.	0.9	1