# Yuri Trusov

## List of Publications by Year in descending order



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|---|---|---|---|
| 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 | GTP binding by Arabidopsis extra-large G protein 2 is not essential for its functions. Plant Physiology, 2021, 186, 1240-1253. | 2.3 | 15 |
| 2 | Manipulating assimilate availability provides insight into the genes controlling grain size in sorghum. Plant Journal, 2021, 108, 231-243. | 2.8 | 9 |
| 3 | Differential regulation of G protein signaling in Arabidopsis through two distinct pathways that internalize AtRGS1. Science Signaling, 2021, 14, . | 1.6 | 13 |
| 4 | Heterotrimeric G Proteins in Plants: Canonical and Atypical GÎ± Subunits. International Journal of Molecular Sciences, 2021, 22, 11841. | 1.8 | 13 |
| 5 | Tomato and cotton G protein beta subunit mutants display constitutive autoimmune responses. Plant Direct, 2021, 5, e359. | 0.8 | 4 |
| 6 | Nucleotide exchangeâ€“dependent and nucleotide exchangeâ€“independent functions of plant heterotrimeric GTP-binding proteins. Science Signaling, 2019, 12, . | 1.6 | 24 |
| 7 | Plant G-Proteins Come of Age: Breaking the Bond with Animal Models. Frontiers in Chemistry, 2016, 4, 24. | 1.8 | 67 |
| 8 | Heterotrimeric G-proteins facilitate resistance to plant pathogenic viruses in Arabidopsis thaliana (L.) Heynh. Plant Signaling and Behavior, 2016, 11, e1212798. | 1.2 | 21 |
| 9 | Saltational evolution of the heterotrimeric G protein signaling mechanisms in the plant kingdom. Science Signaling, 2016, 9, ra93. | 1.6 | 71 |
| 10 | Yeast Three-Hybrid System for the Detection of Protein-Protein Interactions. Methods in Molecular Biology, 2016, 1363, 145-154. | 0.4 | 15 |
| 11 | Type B Heterotrimeric G Protein Î³-Subunit Regulates Auxin and ABA Signaling in Tomato. Plant Physiology, 2016, 170, 1117-1134. | 2.3 | 38 |
| 12 | Simplified Assays for Evaluation of Resistance to Alternaria brassicicola and Turnip Mosaic Virus. Methods in Molecular Biology, 2016, 1363, 219-228. | 0.4 | 1 |
| 13 | 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 |
| 14 | Down-regulation of Fusarium oxysporum endogenous genes by Host-Delivered RNA interference enhances disease resistance. Frontiers in Chemistry, 2015, 3, 1. | 1.8 | 134 |
| 15 | Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. Journal of Plant Physiology, 2015, 188, 44-48. | 1.6 | 61 |
| 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 | Effects of externally supplied protein on root morphology and biomass allocation in Arabidopsis. Scientific Reports, 2014, 4, 5055. | 1.6 | 29 |
| 18 | Fusarium oxysporum Infection Assays in Arabidopsis. Methods in Molecular Biology, 2013, 1043, 67-72. | 0.4 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Dissecting Arabidopsis GÎ² Signal Transduction on the Protein Surface Â Â. Plant Physiology, 2012, 159, 975-983. | 2.3 | 18 |
| 21 | 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 |
| 22 | Diversity of heterotrimeric G-protein Î³ subunits in plants. BMC Research Notes, 2012, 5, 608. | 0.6 | 91 |
| 23 | New faces in plant innate immunity: heterotrimeric G proteins. Journal of Plant Biochemistry and Biotechnology, 2012, 21, 40-47. | 0.9 | 16 |
| 24 | Arabidopsis Gâ€protein interactome reveals connections to cell wall carbohydrates and morphogenesis. Molecular Systems Biology, 2011, 7, 532. | 3.2 | 191 |
| 25 | An atypical heterotrimeric Gâ€protein Î³â€subunit is involved in guard cell K<sup>+</sup>â€channel regulation and morphological development in Arabidopsis thaliana. Plant Journal, 2011, 67, 840-851. | 2.8 | 190 |
| 26 | G Proteins and Plant Innate Immunity. Signaling and Communication in Plants, 2010, , 221-250. | 0.5 | 19 |
| 27 | 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 |
| 28 | 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 |
| 29 | Heterotrimeric G Protein Î³ Subunits Provide Functional Selectivity in GÎ²Î³ Dimer Signaling in Arabidopsis. Plant Cell, 2007, 19, 1235-1250. | 3.1 | 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. | 2.4 | 94 |
| 31 | Heterotrimeric G Proteins Facilitate Arabidopsis Resistance to Necrotrophic Pathogens and Are Involved in Jasmonate Signaling. Plant Physiology, 2006, 140, 210-220. | 2.3 | 210 |
| 32 | Evolution of the Regular Zone of Histone H1 in Fabaceae Plants. Journal of Molecular Evolution, 2004, 59, 546-555. | 0.8 | 6 |
| 33 | Characterization of ATDRG1, a member of a new class of GTP-binding proteins in plants. Plant Molecular Biology, 1999, 39, 1113-1126. | 2.0 | 41 |