

David Chakravorty

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,288
citations

471061

17
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

1097
citing authors

#	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.	2.3	210
2	An atypical heterotrimeric G α protein β subunit is involved in guard cell K ⁺ channel regulation and morphological development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 840-851.	2.8	190
3	Heterotrimeric G Protein β Subunits Provide Functional Selectivity in G α Dimer Signaling in Arabidopsis. <i>Plant Cell</i> , 2007, 19, 1235-1250.	3.1	176
4	Extra-Large G Proteins Expand the Repertoire of Subunits in Arabidopsis Heterotrimeric G Protein Signaling. <i>Plant Physiology</i> , 2015, 169, 512-529.	2.3	97
5	Diversity of heterotrimeric G-protein β subunits in plants. <i>BMC Research Notes</i> , 2012, 5, 608.	0.6	91
6	G β 1+G β 2+G β 3=G β 2: The search for heterotrimeric G-protein β subunits in Arabidopsis is over. <i>Journal of Plant Physiology</i> , 2012, 169, 542-545.	1.6	88
7	The G Protein β -Subunit, AGB1, Interacts with FERONIA in RALF1-Regulated Stomatal Movement. <i>Plant Physiology</i> , 2018, 176, 2426-2440.	2.3	77
8	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. <i>Journal of Plant Physiology</i> , 2015, 188, 44-48.	1.6	61
9	G protein subunit phosphorylation as a regulatory mechanism in heterotrimeric G protein signaling in mammals, yeast, and plants. <i>Biochemical Journal</i> , 2018, 475, 3331-3357.	1.7	53
10	Evidence for an unusual transmembrane configuration of AGG3, a class C G β subunit of Arabidopsis. <i>Plant Journal</i> , 2015, 81, 388-398.	2.8	41
11	Over-expression of a truncated Arabidopsis thaliana heterotrimeric G protein β subunit results in a phenotype similar to β 1 and β 2 subunit knockouts. <i>Gene</i> , 2007, 393, 163-170.	1.0	28
12	A kinase-dead version of <i>FERONIA</i> receptor-like kinase has dose-dependent impacts on rosette morphology and <i>RALF</i> -mediated stomatal movements. <i>FEBS Letters</i> , 2018, 592, 3429-3437.	1.3	25
13	Metabolomics of red-light-induced stomatal opening in <i>Arabidopsis thaliana</i> : Coupling with abscisic acid and jasmonic acid metabolism. <i>Plant Journal</i> , 2020, 101, 1331-1348.	2.8	25
14	Nucleotide exchange-dependent and nucleotide exchange-independent functions of plant heterotrimeric GTP-binding proteins. <i>Science Signaling</i> , 2019, 12, .	1.6	24
15	A G protein-coupled receptor-like module regulates cellulose synthase secretion from the endomembrane system in Arabidopsis. <i>Developmental Cell</i> , 2021, 56, 1484-1497.e7.	3.1	23
16	Signaling Specificity Provided by the Arabidopsis thaliana Heterotrimeric G-Protein β Subunits AGG1 and AGG2 Is Partially but Not Exclusively Provided through Transcriptional Regulation. <i>PLoS ONE</i> , 2013, 8, e58503.	1.1	21
17	The 5' untranslated region of the VR-ACS1 mRNA acts as a strong translational enhancer in plants. <i>Transgenic Research</i> , 2010, 19, 667-674.	1.3	20
18	Site-directed mutagenesis of the Arabidopsis heterotrimeric G protein β 2 subunit suggests divergent mechanisms of effector activation between plant and animal G proteins. <i>Planta</i> , 2012, 235, 615-627.	1.6	16

#	ARTICLE	IF	CITATIONS
19	GTP binding by Arabidopsis extra-large G protein 2 is not essential for its functions. <i>Plant Physiology</i> , 2021, 186, 1240-1253.	2.3	15
20	<i>Fusarium oxysporum</i> Infection Assays in Arabidopsis. <i>Methods in Molecular Biology</i> , 2013, 1043, 67-72.	0.4	7