David Chakravorty

List of Publications by Year
in descending order

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20	1,288	471061 17	752256 20
papers	citations	h-index	g-index

20	20	20	1097
all docs	docs citations	times ranked	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	A G protein-coupled receptor-like module regulates cellulose synthase secretion from the endomembrane system in Arabidopsis. Developmental Cell, 2021, 56, 1484-1497.e7.	3.1	23
3	Metabolomics of redâ€lightâ€induced stomatal opening in Arabidopsis thaliana: Coupling with abscisic acid and jasmonic acid metabolism. Plant Journal, 2020, 101, 1331-1348.	2.8	25
4	Nucleotide exchangeâ€“dependent and nucleotide exchangeâ€“independent functions of plant heterotrimeric GTP-binding proteins. Science Signaling, 2019, 12, .	1.6	24
5	The G Protein Î²-Subunit, AGB1, Interacts with FERONIA in RALF1-Regulated Stomatal Movement. Plant Physiology, 2018, 176, 2426-2440.	2.3	77
6	G protein subunit phosphorylation as a regulatory mechanism in heterotrimeric G protein signaling in mammals, yeast, and plants. Biochemical Journal, 2018, 475, 3331-3357.	1.7	53
7	A kinaseâ€dead version of <scp>FERONIA</scp> receptorâ€like kinase has doseâ€dependent impacts on rosette morphology and <scp>RALF</scp>1â€mediated stomatal movements. FEBS Letters, 2018, 592, 3429-3437.	1.3	25
8	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. Journal of Plant Physiology, 2015, 188, 44-48.	1.6	61
9	Extra-Large G Proteins Expand the Repertoire of Subunits in Arabidopsis Heterotrimeric G Protein Signaling. Plant Physiology, 2015, 169, 512-529.	2.3	97
10	Evidence for an unusual transmembrane configuration of AGG3, a class C GÎ³ subunit of Arabidopsis. Plant Journal, 2015, 81, 388-398.	2.8	41
11	Fusarium oxysporum Infection Assays in Arabidopsis. Methods in Molecular Biology, 2013, 1043, 67-72.	0.4	7
12	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
13	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
14	Diversity of heterotrimeric G-protein Î³ subunits in plants. BMC Research Notes, 2012, 5, 608.	0.6	91
15	Site-directed mutagenesis of the Arabidopsis heterotrimeric G protein Î² subunit suggests divergent mechanisms of effector activation between plant and animal G proteins. Planta, 2012, 235, 615-627.	1.6	16
16	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
17	The 5â€² untranslated region of the VR-ACS1 mRNA acts as a strong translational enhancer in plants. Transgenic Research, 2010, 19, 667-674.	1.3	20
18	Heterotrimeric G Protein Î³ Subunits Provide Functional Selectivity in GÎ²Î³ Dimer Signaling in Arabidopsis. Plant Cell, 2007, 19, 1235-1250.	3.1	176

#	Article	IF	Citations
19	Over-expression of a truncated Arabidopsis thaliana heterotrimeric G protein Î³ subunit results in a phenotype similar to Î± and Î² subunit knockouts. Gene, 2007, 393, 163-170.	1.0	28
20	Heterotrimeric G Proteins Facilitate Arabidopsis Resistance to Necrotrophic Pathogens and Are Involved in Jasmonate Signaling. Plant Physiology, 2006, 140, 210-220.	2.3	210