Elena Baena-GonzÃ¡lez

List of Publications by Year
in descending order

36 papers	6,672 citations	201674 27 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	7251 citing authors

#	Article	IF	Citations
1	SUGAR SENSING AND SIGNALING IN PLANTS: Conserved and Novel Mechanisms. Annual Review of Plant Biology, 2006, 57, 675-709.	18.7	1,919
2	A central integrator of transcription networks in plant stress and energy signalling. Nature, 2007, 448, 938-942.	27.8	1,270
3	Convergent energy and stress signaling. Trends in Plant Science, 2008, 13, 474-482.	8.8	489
4	ABI1 and PP2CA Phosphatases Are Negative Regulators of Snf1-Related Protein Kinase1 Signaling in Arabidopsis. Plant Cell, 2013, 25, 3871-3884.	6.6	266
5	Quantitative phosphoproteomics reveals the role of the AMPK plant ortholog SnRK1 as a metabolic master regulator under energy deprivation. Scientific Reports, 2016, 6, 31697.	3.3	252
6	Mechanisms of regulation of SNF1/AMPK/SnRK1 protein kinases. Frontiers in Plant Science, 2014, 5, 190.	3.6	205
7	Biogenesis, assembly and turnover of photosystem II units. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1451-1460.	4.0	195
8	SnRK1-triggered switch of bZIP63 dimerization mediates the low-energy response in plants. ELife, 2015, 4, .	6.0	184
9	Temporal Control of Leaf Complexity by miRNA-Regulated Licensing of Protein Complexes. Current Biology, 2014, 24, 2714-2719.	3.9	157
10	Shaping plant development through the SnRK1â€“TOR metabolic regulators. Current Opinion in Plant Biology, 2017, 35, 152-157.	7.1	153
11	Nutrient sensing modulates malaria parasite virulence. Nature, 2017, 547, 213-216.	27.8	146
12	Energy Signaling in the Regulation of Gene Expression during Stress. Molecular Plant, 2010, 3, 300-313.	8.3	143
13	Snf1-RELATED KINASE1-Controlled C/S₁-bZIP Signaling Activates Alternative Mitochondrial Metabolic Pathways to Ensure Plant Survival in Extended Darkness. Plant Cell, 2018, 30, 495-509.	6.6	142
14	A dual function of SnRK2 kinases in the regulation of SnRK1 and plant growth. Nature Plants, 2020, 6, 1345-1353.	9.3	122
15	Evolution of microsatellites in Arabis petraea and Arabis lyrata, outcrossing relatives of Arabidopsis thaliana. Molecular Biology and Evolution, 1997, 14, 220-229.	8.9	120
16	SnRK1 and trehalose 6-phosphate â€“ two ancient pathways converge to regulate plant metabolism and growth. Current Opinion in Plant Biology, 2020, 55, 52-59.	7.1	118
17	Role of phosphorylation in the repair cycle and oligomeric structure of photosystem II. Planta, 1999, 208, 196-204.	3.2	111
18	SnRK1 and TOR: modulating growthâ€“defense trade-offs in plant stress responses. Journal of Experimental Botany, 2019, 70, 2261-2274.	4.8	109

#	Article	IF	Citations
19	Thylakoid protein phosphorylation in evolutionally divergent species with oxygenic photosynthesis. FEBS Letters, 1998, 423, 178-182.	2.8	71
20	The Arabidopsis SR45 Splicing Factor, a Negative Regulator of Sugar Signaling, Modulates SNF1-Related Protein Kinase 1 Stability. Plant Cell, 2016, 28, 1910-1925.	6.6	71
21	Chloroplast Transcription at Different Light Intensities. Glutathione-Mediated Phosphorylation of the Major RNA Polymerase Involved in Redox-Regulated Organellar Gene Expression. Plant Physiology, 2001, 127, 1044-1052.	4.8	65
22	miRNAs mediate SnRK1-dependent energy signaling in Arabidopsis. Frontiers in Plant Science, 2013, 4, 197.	3.6	64
23	<scp>SUMO</scp>ylation represses Sn<scp>RK</scp>1 signaling in Arabidopsis. Plant Journal, 2016, 85, 120-133.	5.7	56
24	Deletion of the tobacco plastidpsbAgene triggers an upregulation of the thylakoid-associated NAD(P)H dehydrogenase complex and the plastid terminal oxidase (PTOX). Plant Journal, 2003, 35, 704-716.	5.7	50
25	Impact of the SnRK1 protein kinase on sucrose homeostasis and the transcriptome during the diel cycle. Plant Physiology, 2021, 187, 1357-1373.	4.8	39
26	Dissection of miRNA Pathways Using Arabidopsis Mesophyll Protoplasts. Molecular Plant, 2015, 8, 261-275.	8.3	30
27	ABA represses TOR and root meristem activity through nuclear exit of the SnRK1 kinase. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	29
28	Abnormal Regulation of Photosynthetic Electron Transport in a Chloroplast ycf9 Inactivation Mutant. Journal of Biological Chemistry, 2001, 276, 20795-20802.	3.4	27
29	Plant SnRK1 Kinases: Structure, Regulation, and Function. Exs, 2016, 107, 403-438.	1.4	19
30	Using Arabidopsis Protoplasts to Study Cellular Responses to Environmental Stress. Methods in Molecular Biology, 2016, 1398, 247-269.	0.9	13
31	The PsbZ subunit of Photosystem II in Synechocystis sp. PCC 6803 modulates electron flow through the photosynthetic electron transfer chain. Photosynthesis Research, 2007, 93, 139-147.	2.9	10
32	Chloroplast Transcription at Different Light Intensities. Glutathione-Mediated Phosphorylation of the Major RNA Polymerase Involved in Redox-Regulated Organellar Gene Expression. Plant Physiology, 2001, 127, 1044-1052.	4.8	9
33	Transformation of Nuclear and Plastomic Plant Genomes by Biolistic Particle Bombardment. Molecular Biotechnology, 1999, 13, 67-72.	2.4	8
34	KIN10/11 Are Master Regulators of the Convergent Stress Transcriptome. , 2008, , 1331-1337.		6
35	miR160 Interacts in vivo With Pinus pinaster AUXIN RESPONSE FACTOR 18 Target Site and Negatively Regulates Its Expression During Conifer Somatic Embryo Development. Frontiers in Plant Science, 2022, 13, 857611.	3.6	3
36	Dissection of miRNA pathways using Arabidopsis mesophyll protoplasts. Molecular Plant, 2014, , .	8.3	0