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	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
2	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
3	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
4	A dual function of SnRK2 kinases in the regulation of SnRK1 and plant growth. Nature Plants, 2020, 6, 1345-1353.	9.3	122
5	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
6	SnRK1 and TOR: modulating growthâ€“defense trade-offs in plant stress responses. Journal of Experimental Botany, 2019, 70, 2261-2274.	4.8	109
7	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
8	Shaping plant development through the SnRK1â€“TOR metabolic regulators. Current Opinion in Plant Biology, 2017, 35, 152-157.	7.1	153
9	Nutrient sensing modulates malaria parasite virulence. Nature, 2017, 547, 213-216.	27.8	146
10	<scp>SUMO</scp>ylation represses Sn<scp>RK</scp>1 signaling in Arabidopsis. Plant Journal, 2016, 85, 120-133.	5.7	56
11	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
12	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
13	Plant SnRK1 Kinases: Structure, Regulation, and Function. Exs, 2016, 107, 403-438.	1.4	19
14	Using Arabidopsis Protoplasts to Study Cellular Responses to Environmental Stress. Methods in Molecular Biology, 2016, 1398, 247-269.	0.9	13
15	Dissection of miRNA Pathways Using Arabidopsis Mesophyll Protoplasts. Molecular Plant, 2015, 8, 261-275.	8.3	30
16	SnRK1-triggered switch of bZIP63 dimerization mediates the low-energy response in plants. ELife, 2015, 4, .	6.0	184
17	Mechanisms of regulation of SNF1/AMPK/SnRK1 protein kinases. Frontiers in Plant Science, 2014, 5, 190.	3.6	205
18	Temporal Control of Leaf Complexity by miRNA-Regulated Licensing of Protein Complexes. Current Biology, 2014, 24, 2714-2719.	3.9	157

#	Article	IF	Citations
19	Dissection of miRNA pathways using Arabidopsis mesophyll protoplasts. Molecular Plant, 2014, , .	8.3	0
20	ABI1 and PP2CA Phosphatases Are Negative Regulators of Snf1-Related Protein Kinase1 Signaling in Arabidopsis. Plant Cell, 2013, 25, 3871-3884.	6.6	266
21	miRNAs mediate SnRK1-dependent energy signaling in Arabidopsis. Frontiers in Plant Science, 2013, 4, 197.	3.6	64
22	Energy Signaling in the Regulation of Gene Expression during Stress. Molecular Plant, 2010, 3, 300-313.	8.3	143
23	Convergent energy and stress signaling. Trends in Plant Science, 2008, 13, 474-482.	8.8	489
24	KIN10/11 Are Master Regulators of the Convergent Stress Transcriptome. , 2008, , 1331-1337.		6
25	A central integrator of transcription networks in plant stress and energy signalling. Nature, 2007, 448, 938-942.	27.8	1,270
26	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
27	SUGAR SENSING AND SIGNALING IN PLANTS: Conserved and Novel Mechanisms. Annual Review of Plant Biology, 2006, 57, 675-709.	18.7	1,919
28	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
29	Biogenesis, assembly and turnover of photosystem II units. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1451-1460.	4.0	195
30	Abnormal Regulation of Photosynthetic Electron Transport in a Chloroplast ycf9 Inactivation Mutant. Journal of Biological Chemistry, 2001, 276, 20795-20802.	3.4	27
31	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
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	Role of phosphorylation in the repair cycle and oligomeric structure of photosystem II. Planta, 1999, 208, 196-204.	3.2	111
35	Thylakoid protein phosphorylation in evolutionally divergent species with oxygenic photosynthesis. FEBS Letters, 1998, 423, 178-182.	2.8	71
36	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