Alexander Christmann

List of Publications by Year
in descending order

28 papers	5,167 citations	430874 18 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	5646 citing authors

#	Article	IF	Citations
1	Regulators of PP2C Phosphatase Activity Function as Abscisic Acid Sensors. Science, 2009, 324, 1064-1068.	12.6	2,017
2	ABA perception and signalling. Trends in Plant Science, 2010, 15, 395-401.	8.8	1,106
3	A hydraulic signal in rootâ€toâ€shoot signalling of water shortage. Plant Journal, 2007, 52, 167-174.	5.7	464
4	Generation of Active Pools of Abscisic Acid Revealed by In Vivo Imaging of Water-Stressed Arabidopsis. Plant Physiology, 2005, 137, 209-219.	4.8	230
5	Revisiting the Basal Role of ABA â€“ Roles Outside of Stress. Trends in Plant Science, 2019, 24, 625-635.	8.8	189
6	Closely related receptor complexes differ in their ABA selectivity and sensitivity. Plant Journal, 2010, 61, 25-35.	5.7	170
7	Hydraulic signals in long-distance signaling. Current Opinion in Plant Biology, 2013, 16, 293-300.	7.1	158
8	Combinatorial interaction network of abscisic acid receptors and coreceptors from Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10280-10285.	7.1	142
9	Fibrillin expression is regulated by abscisic acid response regulators and is involved in abscisic acid-mediated photoprotection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6061-6066.	7.1	115
10	Leveraging abscisic acid receptors for efficient water use in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6791-6796.	7.1	106
11	Abscisic acid sensor RCAR7/PYL13, specific regulator of protein phosphatase coreceptors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5741-5746.	7.1	100
12	Phytochelatin synthase catalyzes key step in turnover of glutathione conjugates. Phytochemistry, 2003, 62, 423-431.	2.9	62
13	Action of Natural Abscisic Acid Precursors and Catabolites on Abscisic Acid Receptor Complexes Â. Plant Physiology, 2011, 157, 2108-2119.	4.8	49
14	Abscisic Acid Receptors and Coreceptors Modulate Plant Water Use Efficiency and Water Productivity. Plant Physiology, 2019, 180, 1066-1080.	4.8	48
15	Abscisic acid analogs as chemical probes for dissection of abscisic acid responses in Arabidopsis thaliana. Phytochemistry, 2015, 113, 96-107.	2.9	31
16	Reticulate leaves and stunted roots are independent phenotypes pointing at opposite roles of the phosphoenolpyruvate/phosphate translocator defective in cue1 in the plastids of both organs. Frontiers in Plant Science, 2014, 5, 126.	3.6	27
17	Interaction network of <scp>ABA</scp> receptors in grey poplar. Plant Journal, 2017, 92, 199-210.	5.7	23
18	Peptide signal alerts plants to drought. Nature, 2018, 556, 178-179.	27.8	21

#	Article	IF	Citations
19	Electric defence. Nature, 2013, 500, 404-405.	27.8	20
20	BOTANY: A Plant Receptor with a Big Family. Science, 2007, 315, 1676-1677.	12.6	18
21	Are GTGs ABA's Biggest Fans?. Cell, 2009, 136, 21-23.	28.9	18
22	Increased water use efficiency and water productivity of arabidopsis by abscisic acid receptors from Populus canescens. Annals of Botany, 2019, 124, 581-589.	2.9	15
23	Phytohormones in Needles of Healthy and Declining Silver Fir (Abies alba Mill.): II. Abscisic Acid. Journal of Plant Physiology, 1995, 147, 419-425.	3.5	9
24	Knockout of Arabidopsis thalianaÂVEP1, Encoding a PRISE (Progesterone 5Î²-Reductase/Iridoid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 (MVK). Metabolites, 2022, 12, 11.	2.9	9
25	Contrasting photo- and thermoperiod-induced changes in abscisic acid and lipid contents in leaves of mungbean seedlings. Physiologia Plantarum, 1991, 83, 346-352.	5.2	8
26	Title is missing!. Plant Growth Regulation, 1998, 24, 91-99.	3.4	5
27	Phytohormones in needles of healthy and declining silver fir (Abies alba Mill.): I. Indole-3-acetic acid. Trees - Structure and Function, 1996, 10, 331-338.	1.9	4
28	Phytohormones in needles of healthy and declining silver fir (Abies alba Mill.): III. Ethylene: The immediate ethylene precursor 1-aminocyclopropane-1-carboxylic acid and its malonyl conjugate. Journal of Plant Physiology, 1997, 150, 271-278.	3.5	3