Maria Jose Clemente-Moreno

List of Publications by Year
in descending order

24 papers	1,003 citations	430442 18 h-index	642321 23 g-index
25 all docs	25 docs citations	25 times ranked	1200 citing authors

#	Article	IF	Citations
1	Alteration in the chloroplastic metabolism leads to ROS accumulation in pea plants in response to plum pox virus. Journal of Experimental Botany, 2008, 59, 2147-2160.	2.4	189
2	Photosynthesis Optimized across Land Plant Phylogeny. Trends in Plant Science, 2019, 24, 947-958.	4.3	100
3	Oxidative stress and antioxidative responses in plantâ€“virus interactions. Physiological and Molecular Plant Pathology, 2016, 94, 134-148.	1.3	88
4	Cell wall thickness and composition are involved in photosynthetic limitation. Journal of Experimental Botany, 2021, 72, 3971-3986.	2.4	71
5	The apoplastic antioxidant system and altered cell wall dynamics influence mesophyll conductance and the rate of photosynthesis. Plant Journal, 2019, 99, 1031-1046.	2.8	60
6	Salinity tolerance is related to cyanideâ€resistant alternative respiration in Medicago truncatula under sudden severe stress. Plant, Cell and Environment, 2016, 39, 2361-2369.	2.8	46
7	Chloroplast protection in plum pox virusâ€infected peach plants by Lâ€2â€oxoâ€4â€thiazolidineâ€carboxylic acid treatments: effect in the proteome. Plant, Cell and Environment, 2013, 36, 640-654.	2.8	43
8	How do vascular plants perform photosynthesis in extreme environments? An integrative ecophysiological and biochemical story. Plant Journal, 2020, 101, 979-1000.	2.8	42
9	Sharka: how do plants respond to Plum pox virus infection?. Journal of Experimental Botany, 2015, 66, 25-35.	2.4	41
10	Cell wall composition strongly influences mesophyll conductance in gymnosperms. Plant Journal, 2020, 103, 1372-1385.	2.8	37
11	Cu/Zn superoxide dismutase and ascorbate peroxidase enhance in vitro shoot multiplication in transgenic plum. Journal of Plant Physiology, 2013, 170, 625-632.	1.6	33
12	Cytochrome respiration pathway and sulphur metabolism sustain stress tolerance to low temperature in the Antarctic species Colobanthus quitensis. New Phytologist, 2020, 225, 754-768.	3.5	32
13	Cell wall components regulate photosynthesis and leaf water relations of Vitis vinifera cv. Grenache acclimated to contrasting environmental conditions. Journal of Plant Physiology, 2020, 244, 153084.	1.6	32
14	Plant growth stimulation in Prunus species plantlets by BTH or OTC treatments under in vitro conditions. Journal of Plant Physiology, 2012, 169, 1074-1083.	1.6	27
15	Oxidative stress induced in tobacco leaves by chloroplast over-expression of maize plastidial transglutaminase. Planta, 2010, 232, 593-605.	1.6	24
16	Mesophyll conductance to CO2 is the most significant limitation to photosynthesis at different temperatures and water availabilities in Antarctic vascular species. Environmental and Experimental Botany, 2018, 156, 279-287.	2.0	23
17	Transformation of plum plants with a cytosolic ascorbate peroxidase transgene leads to enhanced water stress tolerance. Annals of Botany, 2016, 117, 1121-1131.	1.4	21
18	Lowâ€temperature tolerance of the Antarctic species <scp>Deschampsia antarctica</scp>: A complex metabolic response associated with nutrient remobilization. Plant, Cell and Environment, 2020, 43, 1376-1393.	2.8	21

#	Article	IF	Citations
19	A field portable method for the semiâ€quantitative estimation of dehydration tolerance of photosynthetic tissues across distantly related land plants. Physiologia Plantarum, 2019, 167, 540-555.	2.6	18
20	On the Role of Salicylic Acid in Plant Responses to Environmental Stresses. , 2017, , 17-34.		18
21	The Apoplastic and Symplastic Antioxidant System in Onion: Response to Long-Term Salt Stress. Antioxidants, 2020, 9, 67.	2.2	16
22	Differences in Metabolic and Physiological Responses between Local and Widespread Grapevine Cultivars under Water Deficit Stress. Agronomy, 2020, 10, 1052.	1.3	11
23	Changes in the antioxidative metabolism induced by Apple chlorotic leaf spot virus infection in peach [Prunus persica (L.) Batsch]. Environmental and Experimental Botany, 2011, 70, 277-282.	2.0	7
24	The Lack of Alternative Oxidase 1a Restricts in vivo Respiratory Activity and Stress-Related Metabolism for Leaf Osmoprotection and Redox Balancing Under Sudden Acute Water and Salt Stress in Arabidopsis thaliana. Frontiers in Plant Science, 2022, 13, .	1.7	3