Maite Lacuesta

List of Publications by Citations

39 papers	1,304 citations	20 h-index	36 g-index
39 ext. papers	1,553 ext. citations	4.2 avg, IF	4.07 L-index

#	Paper	IF	Citations
39	The oxidative stress caused by salinity in two barley cultivars is mitigated by elevated CO2. *Physiologia Plantarum*, **2009**, 135, 29-42	4.6	165
38	Elevated CO2 alleviates the impact of drought on barley improving water status by lowering stomatal conductance and delaying its effects on photosynthesis. *Environmental and Experimental Botany*, **2007**, 59, 252-263	5.9	158
37	Elevated CO2 reduces the drought effect on nitrogen metabolism in barley plants during drought and subsequent recovery. *Environmental and Experimental Botany*, **2011**, 71, 399-399	5.9	83
36	Elevated CO2 reduces stomatal and metabolic limitations on photosynthesis caused by salinity in Hordeum vulgare. *Photosynthesis Research*, **2012**, 111, 269-83	3.7	76
35	Concentration of phenolic compounds is increased in lettuce grown under high light intensity and elevated CO. *Plant Physiology and Biochemistry*, **2018**, 123, 233-241	5.4	62
34	Physiological response to drought in radiata pine: phytohormone implication at leaf level. *Tree Physiology*, **2012**, 32, 435-49	4.2	52
33	Atmospheric CO2 concentration influences the contributions of osmolyte accumulation and cell wall elasticity to salt tolerance in barley cultivars. *Journal of Plant Physiology*, **2010**, 167, 15-22	3.6	49
32	Influence of water stress on photosynthetic characteristics in barley plants under ambient and elevated CO2 concentrations. *Biologia Plantarum*, **2010**, 54, 285-292	2.1	47
31	Solute accumulation and elastic modulus changes in six radiata pine breeds exposed to drought. *Tree Physiology*, **2013**, 33, 69-80	4.2	45
30	Lipoic acid and redox status in barley plants subjected to salinity and elevated CO2. *Physiologia Plantarum*, **2010**, 139, 256-68	4.6	44
29	Effect of Phosphlnothricin (Glufosinate) on Photosynthesis and Chlorophyll Fluorescence Emission by Barley Leaves Illuminated Under Photorespiratory and Non-Photorespiratory Conditions. *Journal of Experimental Botany*, **1992**, 43, 159-165	7	40
28	The impact of salt stress on the water status of barley plants is partially mitigated by elevated CO2. *Environmental and Experimental Botany*, **2009**, 66, 463-470	5.9	39
27	Growth and nutritional quality improvement in two differently pigmented lettuce cultivars grown under elevated CO2 and/or salinity. *Scientia Horticulturae*, **2015**, 195, 56-66	4.1	37
26	Effect of Phosphinothricin (Glufosinate) on Activities of Glutamine Synthetase and Glutamate Dehydrogenase in Medicago sativa L.. *Journal of Plant Physiology*, **1989**, 134, 304-307	3.6	37
25	Immunolocalization of IAA and ABA in roots and needles of radiata pine (Pinus radiata) during drought and rewatering. *Tree Physiology*, **2013**, 33, 537-49	4.2	35
24	Glycolate accumulation causes a decrease of photosynthesis by inhibiting RUBISCO activity in maize. *Journal of Plant Physiology*, **1997**, 150, 388-394	3.6	34
23	Metabolites and hormones are involved in the intraspecific variability of drought hardening in radiata pine. *Journal of Plant Physiology*, **2015**, 188, 64-71	3.6	31

22	High nitrate supply reduces growth in maize, from cell to whole plant. *Journal of Plant Physiology*, **2015**, 173, 120-9	3.6	27
21	Storage duration and temperature effect on the functional integrity of container and bare-root Pinus radiata D. Don stock-types. *Trees - Structure and Function*, **2001**, 15, 289-296	2.6	22
20	Epigenetic and hormonal profile during maturation of Quercus Suber L. somatic embryos. *Journal of Plant Physiology*, **2015**, 173, 51-61	3.6	21
19	Carbon dioxide enrichment moderates salinity-induced effects on nitrogen acquisition and assimilation and their impact on growth in barley plants. *Environmental and Experimental Botany*, **2013**, 87, 148-158	5.9	19
18	The type of competition modulates the ecophysiological response of grassland species to elevated CO2 and drought. *Plant Biology*, **2015**, 17, 298-310	3.7	18
17	Sequential Effects of Acidic Precipitation and Drought on Photosynthesis and Chlorophyll Fluorescence Parameters of Pinus radiata D. Don Seedlings. *Journal of Plant Physiology*, **2000**, 156, 84-92	3.6	18
16	Effects of cattle slurry and mineral N fertilizer applications on various components of the nitrogen balance of mown grassland. *Plant and Soil*, **1997**, 188, 49-58	4.2	17
15	The imbalance between C and N metabolism during high nitrate supply inhibits photosynthesis and overall growth in maize (Zea mays L.). *Plant Physiology and Biochemistry*, **2017**, 120, 213-222	5.4	15
14	The interaction between drought and elevated CO in water relations in two grassland species is species-specific. *Journal of Plant Physiology*, **2018**, 220, 193-202	3.6	15
13	Comparative effects of PPT and AOA on photosynthesis and fluorescence chlorophyll parameters in Zea mays. *Journal of Plant Physiology*, **1997**, 151, 641-648	3.6	15
12	LabelStoma: A tool for stomata detection based on the YOLO algorithm. *Computers and Electronics in Agriculture*, **2020**, 178, 105751	6.5	13
11	Glutamine synthetase from mesophyll and bundle sheath maize cells: isoenzyme complements and different sensitivities to phosphinothricin. *Plant Cell Reports*, **2000**, 19, 1127-1134	5.1	12
10	Sequential Effects of Acidic Precipitation and Drought on Water Relations of Pinus radiata Seedlings. *Journal of Plant Physiology*, **1999**, 155, 93-100	3.6	11
9	Effect of storage conditions on post planting water status and performance of Pinus radiata D. Don stock-types. *Annals of Forest Science*, **2004**, 61, 695-704	3.1	10
8	Ammonium assimilation in Pinus radiata seedlings: effects of storage treatments, transplanting stress and water regimes after planting under simulated field conditions. *Environmental and Experimental Botany*, **2006**, 55, 1-14	5.9	9
7	The trans and cis zeatin isomers play different roles in regulating growth inhibition induced by high nitrate concentrations in maize. *Plant Growth Regulation*, **2018**, 85, 199-209	3.2	7
6	Effect of cold storage treatments and transplanting stress on gas exchange, chlorophyll fluorescence and survival under water limiting conditions of Pinus radiata stock-types. *European Journal of Forest Research*, **2005**, 124, 73-82	2.7	7
5	Changes in environmental CO2 concentration can modify Rhizobium-soybean specificity and condition plant fitness and productivity. *Environmental and Experimental Botany*, **2019**, 162, 133-143	5.9	6

4	Does Elevated CO2 Mitigate the Salt Effect on Photosynthesis in Barley Cultivars? **2008**, 1529-1533		3
3	Interplay between 1-aminocyclopropane-1-carboxylic acid, γ-aminobutyrate and D-glucose in the regulation of high nitrate-induced root growth inhibition in maize. *Plant Science*, **2020**, 293, 110418	5.3	2
2	A physiological approach to study the competition ability of the grassland species Trifolium pratense and Agrostis capillaris. *Journal of Plant Physiology*, **2020**, 254, 153284	3.6	2
1	Soybean Inoculated With One Bradyrhizobium Strain Isolated at Elevated [CO] Show an Impaired C and N Metabolism When Grown at Ambient [CO]. *Frontiers in Plant Science*, **2021**, 12, 656961	6.2	1