

Maite Lacuesta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Soybean Inoculated With One Bradyrhizobium Strain Isolated at Elevated [CO ₂] Show an Impaired C and N Metabolism When Grown at Ambient [CO ₂]. <i>Frontiers in Plant Science</i> , 2021 , 12, 656961	6.2	1
38	Interplay between 1-aminocyclopropane-1-carboxylic acid, L-aminobutyrate and D-glucose in the regulation of high nitrate-induced root growth inhibition in maize. <i>Plant Science</i> , 2020 , 293, 110418	5.3	2
37	LabelStoma: A tool for stomata detection based on the YOLO algorithm. <i>Computers and Electronics in Agriculture</i> , 2020 , 178, 105751	6.5	13
36	A physiological approach to study the competition ability of the grassland species <i>Trifolium pratense</i> and <i>Agrostis capillaris</i> . <i>Journal of Plant Physiology</i> , 2020 , 254, 153284	3.6	2
35	Changes in environmental CO ₂ concentration can modify Rhizobium-soybean specificity and condition plant fitness and productivity. <i>Environmental and Experimental Botany</i> , 2019 , 162, 133-143	5.9	6
34	The interaction between drought and elevated CO ₂ in water relations in two grassland species is species-specific. <i>Journal of Plant Physiology</i> , 2018 , 220, 193-202	3.6	15
33	The trans and cis zeatin isomers play different roles in regulating growth inhibition induced by high nitrate concentrations in maize. <i>Plant Growth Regulation</i> , 2018 , 85, 199-209	3.2	7
32	Concentration of phenolic compounds is increased in lettuce grown under high light intensity and elevated CO ₂ . <i>Plant Physiology and Biochemistry</i> , 2018 , 123, 233-241	5.4	62
31	The imbalance between C and N metabolism during high nitrate supply inhibits photosynthesis and overall growth in maize (<i>Zea mays</i> L.). <i>Plant Physiology and Biochemistry</i> , 2017 , 120, 213-222	5.4	15
30	Metabolites and hormones are involved in the intraspecific variability of drought hardening in radiata pine. <i>Journal of Plant Physiology</i> , 2015 , 188, 64-71	3.6	31
29	Growth and nutritional quality improvement in two differently pigmented lettuce cultivars grown under elevated CO ₂ and/or salinity. <i>Scientia Horticulturae</i> , 2015 , 195, 56-66	4.1	37
28	High nitrate supply reduces growth in maize, from cell to whole plant. <i>Journal of Plant Physiology</i> , 2015 , 173, 120-9	3.6	27
27	Epigenetic and hormonal profile during maturation of <i>Quercus Suber</i> L. somatic embryos. <i>Journal of Plant Physiology</i> , 2015 , 173, 51-61	3.6	21
26	The type of competition modulates the ecophysiological response of grassland species to elevated CO ₂ and drought. <i>Plant Biology</i> , 2015 , 17, 298-310	3.7	18
25	Carbon dioxide enrichment moderates salinity-induced effects on nitrogen acquisition and assimilation and their impact on growth in barley plants. <i>Environmental and Experimental Botany</i> , 2013 , 87, 148-158	5.9	19
24	Immunolocalization of IAA and ABA in roots and needles of radiata pine (<i>Pinus radiata</i>) during drought and rewatering. <i>Tree Physiology</i> , 2013 , 33, 537-49	4.2	35
23	Solute accumulation and elastic modulus changes in six radiata pine breeds exposed to drought. <i>Tree Physiology</i> , 2013 , 33, 69-80	4.2	45

22	Elevated CO ₂ reduces stomatal and metabolic limitations on photosynthesis caused by salinity in <i>Hordeum vulgare</i> . <i>Photosynthesis Research</i> , 2012 , 111, 269-83	3.7	76
21	Physiological response to drought in radiata pine: phytohormone implication at leaf level. <i>Tree Physiology</i> , 2012 , 32, 435-49	4.2	52
20	Elevated CO ₂ reduces the drought effect on nitrogen metabolism in barley plants during drought and subsequent recovery. <i>Environmental and Experimental Botany</i> , 2011 , 71, 399-399	5.9	83
19	Lipoic acid and redox status in barley plants subjected to salinity and elevated CO ₂ . <i>Physiologia Plantarum</i> , 2010 , 139, 256-68	4.6	44
18	Atmospheric CO ₂ concentration influences the contributions of osmolyte accumulation and cell wall elasticity to salt tolerance in barley cultivars. <i>Journal of Plant Physiology</i> , 2010 , 167, 15-22	3.6	49
17	Influence of water stress on photosynthetic characteristics in barley plants under ambient and elevated CO ₂ concentrations. <i>Biologia Plantarum</i> , 2010 , 54, 285-292	2.1	47
16	The impact of salt stress on the water status of barley plants is partially mitigated by elevated CO ₂ . <i>Environmental and Experimental Botany</i> , 2009 , 66, 463-470	5.9	39
15	The oxidative stress caused by salinity in two barley cultivars is mitigated by elevated CO ₂ . <i>Physiologia Plantarum</i> , 2009 , 135, 29-42	4.6	165
14	Does Elevated CO ₂ Mitigate the Salt Effect on Photosynthesis in Barley Cultivars? 2008 , 1529-1533		3
13	Elevated CO ₂ alleviates the impact of drought on barley improving water status by lowering stomatal conductance and delaying its effects on photosynthesis. <i>Environmental and Experimental Botany</i> , 2007 , 59, 252-263	5.9	158
12	Ammonium assimilation in <i>Pinus radiata</i> seedlings: effects of storage treatments, transplanting stress and water regimes after planting under simulated field conditions. <i>Environmental and Experimental Botany</i> , 2006 , 55, 1-14	5.9	9
11	Effect of cold storage treatments and transplanting stress on gas exchange, chlorophyll fluorescence and survival under water limiting conditions of <i>Pinus radiata</i> stock-types. <i>European Journal of Forest Research</i> , 2005 , 124, 73-82	2.7	7
10	Effect of storage conditions on post planting water status and performance of <i>Pinus radiata</i> D. Don stock-types. <i>Annals of Forest Science</i> , 2004 , 61, 695-704	3.1	10
9	Storage duration and temperature effect on the functional integrity of container and bare-root <i>Pinus radiata</i> D. Don stock-types. <i>Trees - Structure and Function</i> , 2001 , 15, 289-296	2.6	22
8	Glutamine synthetase from mesophyll and bundle sheath maize cells: isoenzyme complements and different sensitivities to phosphinothricin. <i>Plant Cell Reports</i> , 2000 , 19, 1127-1134	5.1	12
7	Sequential Effects of Acidic Precipitation and Drought on Photosynthesis and Chlorophyll Fluorescence Parameters of <i>Pinus radiata</i> D. Don Seedlings. <i>Journal of Plant Physiology</i> , 2000 , 156, 84-92 ^{3.6}		18
6	Sequential Effects of Acidic Precipitation and Drought on Water Relations of <i>Pinus radiata</i> Seedlings. <i>Journal of Plant Physiology</i> , 1999 , 155, 93-100	3.6	11
5	Comparative effects of PPT and AOA on photosynthesis and fluorescence chlorophyll parameters in <i>Zea mays</i> . <i>Journal of Plant Physiology</i> , 1997 , 151, 641-648	3.6	15

4	Glycolate accumulation causes a decrease of photosynthesis by inhibiting RUBISCO activity in maize. <i>Journal of Plant Physiology</i> , 1997 , 150, 388-394	3.6	34
3	Effects of cattle slurry and mineral N fertilizer applications on various components of the nitrogen balance of mown grassland. <i>Plant and Soil</i> , 1997 , 188, 49-58	4.2	17
2	Effect of Phosphinothricin (Glufosinate) on Photosynthesis and Chlorophyll Fluorescence Emission by Barley Leaves Illuminated Under Photorespiratory and Non-Photorespiratory Conditions. <i>Journal of Experimental Botany</i> , 1992 , 43, 159-165	7	40
1	Effect of Phosphinothricin (Glufosinate) on Activities of Glutamine Synthetase and Glutamate Dehydrogenase in <i>Medicago sativa</i> L.. <i>Journal of Plant Physiology</i> , 1989 , 134, 304-307	3.6	37