

Pedro M Aparicio-Tejo

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.

47
papers

1,303
citations

24
h-index

35
g-index

48
ext. papers

1,476
ext. citations

4.9
avg, IF

4.02
L-index

#	Paper	IF	Citations
47	Assessing the efficiency of dimethylpyrazole-based nitrification inhibitors under elevated CO ₂ conditions. <i>Geoderma</i> , 2021 , 400, 115160	6.7	0
46	3,4-Dimethylpyrazole phosphate and 2-(N-3,4-dimethyl-1H-pyrazol-1-yl) succinic acid isomeric mixture nitrification inhibitors: Quantification in plant tissues and toxicity assays. <i>Science of the Total Environment</i> , 2018 , 624, 1180-1186	10.2	18
45	Integration of a Communal Henhouse and Community Composter to Increase Motivation in Recycling Programs: Overview of a Three-Year Pilot Experience in Noñ (Spain). <i>Sustainability</i> , 2018 , 10, 690	3.6	1
44	Nitrogen isotope signature evidences ammonium deprotonation as a common transport mechanism for the AMT-Mep-Rh protein superfamily. <i>Science Advances</i> , 2018 , 4, eaar3599	14.3	17
43	Unraveling the role of transient starch in the response of Arabidopsis to elevated CO ₂ under long-day conditions. <i>Environmental and Experimental Botany</i> , 2018 , 155, 158-164	5.9	8
42	Leaves play a central role in the adaptation of nitrogen and sulfur metabolism to ammonium nutrition in oilseed rape (<i>Brassica napus</i>). <i>BMC Plant Biology</i> , 2017 , 17, 157	5.3	18
41	Overexpression of a pine Dof transcription factor in hybrid poplars: A comparative study in trees growing under controlled and natural conditions. <i>PLoS ONE</i> , 2017 , 12, e0174748	3.7	16
40	Meat waste as feedstock for home composting: Effects on the process and quality of compost. <i>Waste Management</i> , 2016 , 56, 53-62	8.6	38
39	Influence of stage of development in the efficiency of nitrogen fertilization on poplar. <i>Journal of Plant Nutrition</i> , 2016 , 39, 87-98	2.3	4
38	Root-shoot interactions explain the reduction of leaf mineral content in Arabidopsis plants grown under elevated [CO ₂] conditions. <i>Physiologia Plantarum</i> , 2016 , 158, 65-79	4.6	30
37	Quantitative proteomics reveals the importance of nitrogen source to control glucosinolate metabolism in Arabidopsis thaliana and Brassica oleracea. <i>Journal of Experimental Botany</i> , 2016 , 67, 3313-23	7.23	43
36	Thirteen years of continued application of composted organic wastes in a vineyard modify soil quality characteristics. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 241-254	7.5	62
35	Root and shoot performance of Arabidopsis thaliana exposed to elevated CO ₂ : A physiologic, metabolic and transcriptomic response. <i>Journal of Plant Physiology</i> , 2015 , 189, 65-76	3.6	28
34	Leaf ¹⁵ N as a physiological indicator of the responsiveness of N ₂ -fixing alfalfa plants to elevated [CO ₂], temperature and low water availability. <i>Frontiers in Plant Science</i> , 2015 , 6, 574	6.2	13
33	Unravelling the mechanisms that improve photosynthetic performance of N ₂ -fixing pea plants exposed to elevated [CO ₂]. <i>Environmental and Experimental Botany</i> , 2014 , 99, 167-174	5.9	18
32	Pea plant responsiveness under elevated [CO ₂] is conditioned by the N source (N ₂ fixation versus NO ₃ ⁻ fertilization). <i>Environmental and Experimental Botany</i> , 2013 , 95, 34-40	5.9	26
31	Changes in the C/N balance caused by increasing external ammonium concentrations are driven by carbon and energy availabilities during ammonium nutrition in pea plants: the key roles of asparagine synthetase and anaplerotic enzymes. <i>Physiologia Plantarum</i> , 2013 , 148, 522-37	4.6	39

30	Two Fe-superoxide dismutase families respond differently to stress and senescence in legumes. <i>Journal of Plant Physiology</i> , 2012 , 169, 1253-60	3.6	30
29	The physiological implications of urease inhibitors on N metabolism during germination of <i>Pisum sativum</i> and <i>Spinacea oleracea</i> seeds. <i>Journal of Plant Physiology</i> , 2012 , 169, 673-81	3.6	6
28	Foliar application of urea to Sauvignon Blanc and Merlot vines: doses and time of application. <i>Plant Growth Regulation</i> , 2012 , 67, 73-81	3.2	46
27	Short term physiological implications of NBPT application on the N metabolism of <i>Pisum sativum</i> and <i>Spinacea oleracea</i> . <i>Journal of Plant Physiology</i> , 2011 , 168, 329-36	3.6	24
26	High irradiance increases NH ₄ (+)-tolerance in <i>Pisum sativum</i> : Higher carbon and energy availability improve ion balance but not N assimilation. <i>Journal of Plant Physiology</i> , 2011 , 168, 1009-15	3.6	42
25	Expression and localization of a Rhizobium-derived cambialistic superoxide dismutase in pea (<i>Pisum sativum</i>) nodules subjected to oxidative stress. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 1247-57	3.6	12
24	Intra-specific variation in pea responses to ammonium nutrition leads to different degrees of tolerance. <i>Environmental and Experimental Botany</i> , 2011 , 70, 233-243	5.9	46
23	Effect of N-(n-butyl) thiophosphoric triamide on urea metabolism and the assimilation of ammonium by <i>Triticum aestivum</i> L.. <i>Plant Growth Regulation</i> , 2011 , 63, 73-79	3.2	44
22	Depletion of the heaviest stable N isotope is associated with NH ₄ ⁺ /NH ₃ toxicity in NH ₄ ⁺ -fed plants. <i>BMC Plant Biology</i> , 2011 , 11, 83	5.3	35
21	Function of antioxidant enzymes and metabolites during maturation of pea fruits. <i>Journal of Experimental Botany</i> , 2010 , 61, 87-97	7	45
20	High irradiance induces photoprotective mechanisms and a positive effect on NH ₄ ⁺ stress in <i>Pisum sativum</i> L. <i>Journal of Plant Physiology</i> , 2010 , 167, 1038-45	3.6	35
19	Nitrogen nutrition and antioxidant metabolism in ammonium-tolerant and -sensitive plants. <i>Physiologia Plantarum</i> , 2008 , 132, 359-69	4.6	70
18	Isotopic discrimination as a tool for organic farming certification in sweet pepper. <i>Journal of Environmental Quality</i> , 2008 , 37, 182-5	3.4	21
17	Imazethapyr, an inhibitor of the branched-chain amino acid biosynthesis, induces aerobic fermentation in pea plants. <i>Physiologia Plantarum</i> , 2002 , 114, 524-532	4.6	43
16	Role of glutamate dehydrogenase and phosphoenolpyruvate carboxylase activity in ammonium nutrition tolerance in roots. <i>Plant Physiology and Biochemistry</i> , 2002 , 40, 969-976	5.4	63
15	Alternative pathway respiration is associated with ammonium ion sensitivity in spinach and pea plants. <i>Plant Growth Regulation</i> , 2002 , 37, 49-55	3.2	24
14	Solute Heterogeneity and Osmotic Adjustment in Different Leaf Structures of Semi-Leafless Pea (<i>Pisum sativum</i> L.) Subjected to Water Stress. <i>Plant Biology</i> , 2002 , 4, 558-566	3.7	9
13	Short-term ammonium supply stimulates glutamate dehydrogenase activity and alternative pathway respiration in roots of pea plants. <i>Journal of Plant Physiology</i> , 2002 , 159, 811-818	3.6	49

12	Nitrate reduction in tendrils of semi-leafless pea. <i>Physiologia Plantarum</i> , 2001 , 111, 329-335	4.6	3
11	Continuous CO ₂ enrichment leads to increased nodule biomass, carbon availability to nodules and activity of carbon-metabolising enzymes but does not enhance specific nitrogen fixation in pea. <i>Physiologia Plantarum</i> , 2001 , 113, 33-40	4.6	45
10	Insights into the regulation of nitrogen fixation in pea nodules: lessons from drought, abscisic acid and increased photoassimilate availability. <i>Agronomy for Sustainable Development</i> , 2001 , 21, 607-613		51
9	Source of nitrogen nutrition (nitrogen fixation or nitrate assimilation) is a major factor involved in pea response to moderate water stress. <i>Journal of Plant Physiology</i> , 2000 , 157, 609-617	3.6	41
8	Physiological consequences of continuous, sublethal imazethapyr supply to pea plants. <i>Journal of Plant Physiology</i> , 2000 , 157, 345-354	3.6	44
7	Imazethapyr inhibition of acetolactate synthase in Rhizobium and its symbiosis with pea. <i>Pest Management Science</i> , 1998 , 52, 372-380		15
6	Effect of digested sewage sludge on the efficiency of N-fertilizer applied to barley. <i>Nutrient Cycling in Agroecosystems</i> , 1997 , 48, 241-246	3.3	4
5	Denitrification and Respiration in Rhizobium meliloti Bacteroids and Lucerne Nodules as Affected by Nitrate Supply. <i>Journal of Plant Physiology</i> , 1992 , 139, 373-378	3.6	8
4	Effect of Low Nitrate Supply on Nitrogen Fixation in Alfalfa Root Nodules Induced by Rhizobium meliloti Strains with Varied Nitrate Reductase Activity. <i>Journal of Plant Physiology</i> , 1989 , 135, 207-211	3.6	13
3	Nitrate Metabolism in Alfalfa Root Nodules under Water Stress. <i>Journal of Experimental Botany</i> , 1986 , 37, 798-806	7	8
2	Nitrogen fixation, stomatal response and transpiration in Medicago sativa, Trifolium repens and T. subterraneum under water stress and recovery. <i>Physiologia Plantarum</i> , 1980 , 48, 1-4	4.6	46
1	Measured and Calculated Transpiration in Trifolium repens under Different Water Potentials. <i>Journal of Experimental Botany</i> , 1980 , 31, 839-843	7	2