

Laura Llorens

List of Publications by Year in descending order

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42
papers

2,743
citations

236612

25
h-index

264894

42
g-index

42
all docs

42
docs citations

42
times ranked

3800
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex spatiotemporal phenological shifts as a response to rainfall changes. <i>New Phytologist</i> , 2004, 161, 837-846.	3.5	329
2	Novel Approaches to Study Climate Change Effects on Terrestrial Ecosystems in the Field: Drought and Passive Nighttime Warming. <i>Ecosystems</i> , 2004, 7, 583.	1.6	232
3	UV-A radiation effects on higher plants: Exploring the known unknown. <i>Plant Science</i> , 2017, 255, 72-81.	1.7	220
4	Noninvasive Field Experiments Show Different Plant Responses to Warming and Drought Among Sites, Seasons, and Species in a North-South European Gradient. <i>Ecosystems</i> , 2004, 7, 598.	1.6	211
5	Response of plant species richness and primary productivity in shrublands along a north-south gradient in Europe to seven years of experimental warming and drought: reductions in primary productivity in the heat and drought year of 2003. <i>Global Change Biology</i> , 2007, 13, 2563-2581.	4.2	211
6	Reflectance assessment of seasonal and annual changes in biomass and CO ₂ uptake of a Mediterranean shrubland submitted to experimental warming and drought. <i>Remote Sensing of Environment</i> , 2004, 90, 308-318.	4.6	134
7	Ecophysiological responses of two Mediterranean shrubs, <i>Erica multiflora</i> and <i>Globularia alypum</i> , to experimentally drier and warmer conditions. <i>Physiologia Plantarum</i> , 2003, 119, 231-243.	2.6	124
8	Carbon and nitrogen cycles in European ecosystems respond differently to global warming. <i>Science of the Total Environment</i> , 2008, 407, 692-697.	3.9	117
9	Plant community changes induced by experimental climate change: Seedling and adult species composition. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2009, 11, 53-63.	1.1	113
10	Contrasting Growth Changes in Two Dominant Species of a Mediterranean Shrubland Submitted to Experimental Drought and Warming. <i>Annals of Botany</i> , 2004, 94, 843-853.	1.4	85
11	Effects of an Experimental Increase of Temperature and Drought on the Photosynthetic Performance of Two Ericaceous Shrub Species Along a North-South European Gradient. <i>Ecosystems</i> , 2004, 7, 613.	1.6	69
12	Altitudinal and seasonal changes of phenolic compounds in <i>Buxus sempervirens</i> leaves and cuticles. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 471-482.	2.8	64
13	Photosynthesis and photoprotection in <i>Quercus ilex</i> resprouts after fire. <i>Tree Physiology</i> , 1998, 18, 607-614.	1.4	63
14	Diurnal and seasonal variations in the photosynthetic performance and water relations of two co-occurring Mediterranean shrubs, <i>Erica multiflora</i> and <i>Globularia alypum</i> . <i>Physiologia Plantarum</i> , 2003, 118, 84-95.	2.6	63
15	Experimental Evidence of Future Drier and Warmer Conditions Affecting Flowering of Two Co-occurring Mediterranean Shrubs. <i>International Journal of Plant Sciences</i> , 2005, 166, 235-245.	0.6	62
16	Experimental drought and warming decrease diversity and slow down post-fire succession in a Mediterranean shrubland. <i>Ecography</i> , 2009, 32, 623-636.	2.1	57
17	Environmental Factors Correlated with the Metabolite Profile of <i>Vitis vinifera</i> cv. Pinot Noir Berry Skins along a European Latitudinal Gradient. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8722-8734.	2.4	52
18	Interactive effects of UV radiation and reduced precipitation on the seasonal leaf phenolic content/composition and the antioxidant activity of naturally growing <i>Arbutus unedo</i> plants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 435-444.	1.7	48

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19	Uptake, translocation and ligand of silver in <i>Lactuca sativa</i> exposed to silver nanoparticles of different size, coatings and concentration. <i>Journal of Hazardous Materials</i> , 2020, 384, 121201.	6.5	44
20	Effects of enhanced UV radiation and water availability on performance, biomass production and photoprotective mechanisms of <i>Laurus nobilis</i> seedlings. <i>Environmental and Experimental Botany</i> , 2015, 109, 264-275.	2.0	42
21	Population density of primates in a large fragment of the Brazilian Atlantic rainforest. <i>Biodiversity and Conservation</i> , 2001, 10, 1267-1282.	1.2	36
22	The role of UV-B radiation in plant sexual reproduction. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015, 17, 243-254.	1.1	35
23	Editorial: Interactive effects of UV-B radiation in a complex environment. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 1-8.	2.8	35
24	Environmental plasticity of Pinot noir grapevine leaves: A trans-European study of morphological and biochemical changes along a 1,500 km latitudinal climatic gradient. <i>Plant, Cell and Environment</i> , 2017, 40, 2790-2805.	2.8	34
25	Interactive effects of UV radiation and water availability on seedlings of six woody Mediterranean species. <i>Physiologia Plantarum</i> , 2013, 147, 234-247.	2.6	26
26	Variations in <i>Quercus ilex</i> chloroplast pigment content during summer stress: involvement in photoprotection according to principal component analysis. <i>Functional Plant Biology</i> , 2002, 29, 81.	1.1	25
27	Photomorphogenic effects of UVB and UVA radiation on leaves of six Mediterranean sclerophyllous woody species subjected to two different watering regimes at the seedling stage. <i>Environmental and Experimental Botany</i> , 2012, 79, 66-75.	2.0	25
28	Developmental Instability and Gas Exchange Responses of a Heathland Shrub to Experimental Drought and Warming. <i>International Journal of Plant Sciences</i> , 2002, 163, 959-967.	0.6	22
29	Water-use responses of "living fossil" conifers to CO ₂ enrichment in a simulated Cretaceous polar environment. <i>Annals of Botany</i> , 2009, 104, 179-188.	1.4	19
30	Effects of UV radiation and water limitation on the volatile terpene emission rates, photosynthesis rates, and stomatal conductance in four Mediterranean species. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 757-769.	1.0	18
31	Density and length of stomatal and epidermal cells in "living fossil" trees grown under elevated CO ₂ and a polar light regime. <i>Acta Oecologica</i> , 2011, 37, 381-385.	0.5	17
32	UV responses of <i>Lolium perenne</i> raised along a latitudinal gradient across Europe: a filtration study. <i>Physiologia Plantarum</i> , 2012, 145, 604-618.	2.6	17
33	Physiological adjustments of a Mediterranean shrub to long-term experimental warming and drought treatments. <i>Plant Science</i> , 2016, 252, 53-61.	1.7	15
34	Effects of UV radiation and rainfall reduction on leaf and soil parameters related to C and N cycles of a Mediterranean shrubland before and after a controlled fire. <i>Plant and Soil</i> , 2018, 424, 503-524.	1.8	14
35	Contrasting seasonal morphological and physio-biochemical responses to UV radiation and reduced rainfall of two mature naturally growing Mediterranean shrubs in the context of climate change. <i>Environmental and Experimental Botany</i> , 2018, 147, 189-201.	2.0	13
36	A Biomechanical Study of the Long Bones in Platyrrhines. <i>Folia Primatologica</i> , 2001, 72, 201-216.	0.3	11

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37	Monoterpene emissions and photoinhibition of "living fossil" trees grown under CO ₂ enrichment in a simulated Cretaceous polar environment. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	10
38	Litter decomposition of three halophytes in a Mediterranean salt marsh: Relevance of litter quality, microbial activity and microhabitat. <i>Science of the Total Environment</i> , 2022, 838, 155743.	3.9	10
39	Resilience of microbial communities in Mediterranean soil after induced drought and manipulated UV radiation. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	7
40	Physiological, growth and root biochemical responses of <i>Arbutus unedo</i> and <i>Quercus suber</i> seedlings to UV radiation and water availability before and after aboveground biomass removal. <i>Environmental and Experimental Botany</i> , 2019, 168, 103861.	2.0	5
41	Leaf biochemical adjustments in two Mediterranean resprouter species facing enhanced UV levels and reduced water availability before and after aerial biomass removal. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 130-143.	2.8	5
42	Editorial: Ultraviolet Radiation: Friend or Foe for Plants?. <i>Frontiers in Plant Science</i> , 2020, 11, 541.	1.7	4