Jose Luis Quero PÃ©rez

List of Publications by Year
in descending order

52 papers	5,618 citations	159585 30 h-index	182427 51 g-index
52 all docs	52 docs citations	52 times ranked	7447 citing authors

#	Article	IF	Citations
1	Plant Species Richness and Ecosystem Multifunctionality in Global Drylands. Science, 2012, 335, 214-218.	12.6	1,043
2	Decoupling of soil nutrient cycles as a function of aridity in global drylands. Nature, 2013, 502, 672-676.	27.8	733
3	Increasing aridity reduces soil microbial diversity and abundance in global drylands. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15684-15689.	7.1	728
4	It is getting hotter in here: determining and projecting the impacts of global environmental change on drylands. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3062-3075.	4.0	243
5	Changes in biocrust cover drive carbon cycle responses to climate change in drylands. Global Change Biology, 2013, 19, 3835-3847.	9.5	230
6	Interactions of drought and shade effects on seedlings of four Quercus species: physiological and structural leaf responses. New Phytologist, 2006, 170, 819-834.	7.3	217
7	Functional diversity enhances the resistance of ecosystem multifunctionality to aridity in <scp>M</scp>editerranean drylands. New Phytologist, 2015, 206, 660-671.	7.3	167
8	Intransitive competition is widespread in plant communities and maintains their species richness. Ecology Letters, 2015, 18, 790-798.	6.4	149
9	Non-linear effects of drought under shade: reconciling physiological and ecological models in plant communities. Oecologia, 2012, 169, 293-305.	2.0	139
10	Oak seedling survival and growth along resource gradients in Mediterranean forests: implications for regeneration in current and future environmental scenarios. Oikos, 2008, 117, 1683-1699.	2.7	136
11	Uncovering multiscale effects of aridity and biotic interactions on the functional structure of Mediterranean shrublands. Journal of Ecology, 2013, 101, 637-649.	4.0	131
12	Response of tree seedlings to the abiotic heterogeneity generated by nurse shrubs: an experimental approach at different scales. Ecography, 2005, 28, 757-768.	4.5	125
13	Soil fungal abundance and plant functional traits drive fertile island formation in global drylands. Journal of Ecology, 2018, 106, 242-253.	4.0	123
14	Water-use strategies of six co-existing Mediterranean woody species during a summer drought. Oecologia, 2011, 166, 45-57.	2.0	117
15	Seedâ€mass effects in four Mediterranean Quercus species (Fagaceae) growing in contrasting light environments. American Journal of Botany, 2007, 94, 1795-1803.	1.7	112
16	Cascading effects from plants to soil microorganisms explain how plant species richness and simulated climate change affect soil multifunctionality. Global Change Biology, 2018, 24, 5642-5654.	9.5	100
17	Plant diversity and ecosystem multifunctionality peak at intermediate levels of woody cover in global drylands. Global Ecology and Biogeography, 2014, 23, 1408-1416.	5.8	93
18	Climate and soil attributes determine plant species turnover in global drylands. Journal of Biogeography, 2014, 41, 2307-2319.	3.0	76

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19	Functional traits determine plant co-occurrence more than environment or evolutionary relatedness in global drylands. Perspectives in Plant Ecology, Evolution and Systematics, 2014, 16, 164-173.	2.7	73
20	Relating leaf photosynthetic rate to whole-plant growth: drought and shade effects on seedlings of four Quercus species. Functional Plant Biology, 2008, 35, 725.	2.1	68
21	Shifts in the regeneration niche of an endangered tree (Acer opalus ssp. granatense) during ontogeny: Using an ecological concept for application. Basic and Applied Ecology, 2008, 9, 635-644.	2.7	67
22	Simulated climate change reduced the capacity of lichen-dominated biocrusts to act as carbon sinks in two semi-arid Mediterranean ecosystems. Biodiversity and Conservation, 2014, 23, 1787-1807.	2.6	60
23	Variation in relative growth rate of 20 Aegilops species (Poaceae) in the field: The importance of net assimilation rate or specific leaf area depends on the time scale. Plant and Soil, 2005, 272, 11-27.	3.7	56
24	Aridity Modulates N Availability in Arid and Semiarid Mediterranean Grasslands. PLoS ONE, 2013, 8, e59807.	2.5	42
25	Differences in the Response to Acute Drought and Phytophthora cinnamomi Rands Infection in Quercus ilex L. Seedlings. Forests, 2018, 9, 634.	2.1	40
26	Traits of neighbouring plants and space limitation determine intraspecific trait variability in semiâ€arid shrublands. Journal of Ecology, 2015, 103, 1647-1657.	4.0	39
27	Effects of soil compaction and light on growth of Quercus pyrenaica Willd. (Fagaceae) seedlings. Soil and Tillage Research, 2010, 110, 108-114.	5.6	38
28	Is spatial structure the key to promote plant diversity in Mediterranean forest plantations?. Basic and Applied Ecology, 2011, 12, 251-259.	2.7	36
29	Evidence for plant traits driving specific drought resistance. A community field experiment. Environmental and Experimental Botany, 2012, 81, 55-61.	4.2	35
30	Differential impact of hotter drought on seedling performance of five ecologically distinct pine species. Plant Ecology, 2017, 218, 201-212.	1.6	35
31	Relationships between leaf mass per area and nutrient concentrations in 98 Mediterranean woody species are determined by phylogeny, habitat and leaf habit. Trees - Structure and Function, 2018, 32, 497-510.	1.9	35
32	Surface indicators are correlated with soil multifunctionality in global drylands. Journal of Applied Ecology, 2020, 57, 424-435.	4.0	35
33	Human impacts and aridity differentially alter soil <scp>N</scp> availability in drylands worldwide. Global Ecology and Biogeography, 2016, 25, 36-45.	5.8	33
34	On the Importance of Shrub Encroachment by Sprouters, Climate, Species Richness and Anthropic Factors for Ecosystem Multifunctionality in Semi-arid Mediterranean Ecosystems. Ecosystems, 2013, 16, 1248-1261.	3.4	31
35	Functional leaf and size traits determine the photosynthetic response of 10 dryland species to warming. Journal of Plant Ecology, 2016, 9, 773-783.	2.3	25
36	Linking stochasticity to determinism of woody plant recruitment in a mosaic landscape: A spatially explicit approach. Basic and Applied Ecology, 2011, 12, 161-171.	2.7	24

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37	Role of geographical provenance in the response of silver fir seedlings to experimental warming and drought. Tree Physiology, 2016, 36, 1236-1246.	3.1	24
38	Spatio-temporal heterogeneity effects on seedling growth and establishment in four Quercus species. Annals of Forest Science, 2011, 68, 1217-1232.	2.0	20
39	Individual vs. population plastic responses to elevated CO2, nutrient availability, and heterogeneity: a microcosm experiment with co-occurring species. Plant and Soil, 2007, 296, 53-64.	3.7	17
40	Determination of forest fuels characteristics in mortality-affected Pinus forests using integrated hyperspectral and ALS data. International Journal of Applied Earth Observation and Geoinformation, 2018, 68, 157-167.	2.8	15
41	Growth and physiological sapling responses of eleven Quercus ilex ecotypes under identical environmental conditions. Forest Ecology and Management, 2018, 415-416, 58-69.	3.2	14
42	Easy-to-make portable chamber for in situ CO₂ exchange measurements on biological soil crusts. Photosynthetica, 2015, 53, 72-84.	1.7	13
43	On the importance of topography, site quality, stock quality and planting date in a semiarid plantation: Feasibility of using low-density LiDAR. Ecological Engineering, 2014, 67, 25-38.	3.6	12
44	Small-Scale Abiotic Factors Influencing the Spatial Distribution of Phytophthora cinnamomi under Declining Quercus ilex Trees. Forests, 2020, 11, 375.	2.1	11
45	Potential impacts of aridity on structural and functional status of a southern Mediterranean Stipa tenacissima steppe. South African Journal of Botany, 2016, 103, 170-180.	2.5	10
46	Growth and Growth-Related Traits for a Range of Quercus Species Grown as Seedlings Under Controlled Conditions and for Adult Plants from the Field. Tree Physiology, 2017, , 393-417.	2.5	9
47	Response to Comment on â€œPlant Species Richness and Ecosystem Multifunctionality in Global Drylandsâ€• Science, 2012, 337, 155-155.	12.6	8
48	Changes in biocrust cover drive carbon cycle responses to climate change in drylands. Global Change Biology, 2014, 20, 2697-2698.	9.5	8
49	Opportunities of super high-density olive orchard to improve soil quality: Management guidelines for application of pruning residues. Journal of Environmental Management, 2021, 293, 112785.	7.8	7
50	Forest Inventories and habitat models to predictregeneration of Mediterranean woody species in forest plantations. , 2016, 25, 6-21.		7
51	Assessment of species diversity and state of Stipa tenacissima steppes. Turkish Journal of Botany, 2015, 39, 227-237.	1.2	6
52	A Step-by-Step Guide to Initialize and Calibrate Landscape Models: A Case Study in the Mediterranean Mountains. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	3