Pablo Garcia-Palacios

List of Publications by Year
in descending order

61 papers	7,165 citations	109321 35 h-index	123424 61 g-index
67 all docs	67 docs citations	67 times ranked	9897 citing authors

#	Article	IF	Citations
1	Temperature Increases Soil Respiration Across Ecosystem Types and Soil Development, But Soil Properties Determine the Magnitude of This Effect. Ecosystems, 2022, 25, 184-198.	3.4	17
2	Diversity of archaea and niche preferences among putative ammoniaâ€oxidizing Nitrososphaeria dominating across European arable soils. Environmental Microbiology, 2022, 24, 341-356.	3.8	15
3	Climate change legacies contrastingly affect the resistance and resilience of soil microbial communities and multifunctionality to extreme drought. Functional Ecology, 2022, 36, 908-920.	3.6	19
4	Stimulation of ammonia oxidizer and denitrifier abundances by nitrogen loading: Poor predictability for increased soil N₂O emission. Global Change Biology, 2022, 28, 2158-2168.	9.5	54
5	Phylotype diversity within soil fungal functional groups drives ecosystem stability. Nature Ecology and Evolution, 2022, 6, 900-909.	7.8	75
6	Emerging relationships among soil microbes, carbon dynamics and climate change. Functional Ecology, 2022, 36, 1332-1337.	3.6	25
7	Agricultural management and pesticide use reduce the functioning of beneficial plant symbionts. Nature Ecology and Evolution, 2022, 6, 1145-1154.	7.8	54
8	Plant Litter Decomposition in Terrestrial Ecosystems Compared to Streams. , 2021, , 101-126.		2
9	Functional rarity and evenness are key facets of biodiversity to boost multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	46
10	Evidence for large microbial-mediated losses of soil carbon under anthropogenic warming. Nature Reviews Earth & Environment, 2021, 2, 507-517.	29.7	85
11	Crop cover is more important than rotational diversity for soil multifunctionality and cereal yields in European cropping systems. Nature Food, 2021, 2, 28-37.	14.0	120
12	TRY plant trait database â€" enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
13	Surface indicators are correlated with soil multifunctionality in global drylands. Journal of Applied Ecology, 2020, 57, 424-435.	4.0	35
14	Crops and their wild progenitors recruit beneficial and detrimental soil biota in opposing ways. Plant and Soil, 2020, 456, 159-173.	3.7	13
15	Contrasting mechanisms underlie shortâ€and longerâ€term soil respiration responses to experimental warming in a dryland ecosystem. Global Change Biology, 2020, 26, 5254-5266.	9.5	34
16	Compensatory Thermal Adaptation of Soil Microbial Respiration Rates in Global Croplands. Global Biogeochemical Cycles, 2020, 34, e2019GB006507.	4.9	13
17	Increasing microbial carbon use efficiency with warming predicts soil heterotrophic respiration globally. Global Change Biology, 2019, 25, 3354-3364.	9.5	55
18	Ecological intensification of agriculture in drylands. Journal of Arid Environments, 2019, 167, 101-105.	2.4	21

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19	Plant and soil microfaunal biodiversity across the borders between arable and forest ecosystems in a Mediterranean landscape. Applied Soil Ecology, 2019, 136, 122-138.	4.3	22
20	Soil microbial respiration adapts to ambient temperature in global drylands. Nature Ecology and Evolution, 2019, 3, 232-238.	7.8	89
21	Crop traits drive soil carbon sequestration under organic farming. Journal of Applied Ecology, 2018, 55, 2496-2505.	4.0	30
22	Land management impacts on the feeding preferences of the woodlouse Porcellio dilatatus (Isopoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.3	20
23	Assessing the temporal dynamics of aquatic and terrestrial litter decomposition in an alpine forest. Functional Ecology, 2018, 32, 2464-2475.	3.6	44
24	Climate mediates the biodiversityâ€"ecosystem stability relationship globally. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8400-8405.	7.1	229
25	Pathways regulating decreased soil respiration with warming in a biocrustâ€dominated dryland. Global Change Biology, 2018, 24, 4645-4656.	9.5	35
26	Differential responses of carbonâ€degrading enzyme activities to warming: Implications for soil respiration. Global Change Biology, 2018, 24, 4816-4826.	9.5	131
27	Looking at past domestication to secure ecosystem services of future croplands. Journal of Ecology, 2017, 105, 885-889.	4.0	27
28	Asymmetric responses of primary productivity to precipitation extremes: A synthesis of grassland precipitation manipulation experiments. Global Change Biology, 2017, 23, 4376-4385.	9.5	231
29	Contrasting massâ€ratio vs. niche complementarity effects on litter C and N loss during decomposition along a regional climatic gradient. Journal of Ecology, 2017, 105, 968-978.	4.0	55
30	Is manure an alternative to topsoil in road embankment restoration?. PLoS ONE, 2017, 12, e0174622.	2.5	2
31	Biogeographic bases for a shift in crop CÂ:ÂNÂ:ÂP stoichiometries during domestication. Ecology Letters, 2016, 19, 564-575.	6.4	42
32	Temporal dynamics of biotic and abiotic drivers of litter decomposition. Ecology Letters, 2016, 19, 554-563.	6.4	211
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	Structure and Functioning of Dryland Ecosystems in a Changing World. Annual Review of Ecology, Evolution, and Systematics, 2016, 47, 215-237.	8.3	330
35	Dual mechanisms regulate ecosystem stability under decade-long warming and hay harvest. Nature Communications, 2016, 7, 11973.	12.8	66
36	Disentangling the Litter Quality and Soil Microbial Contribution to Leaf and Fine Root Litter Decomposition Responses to Reduced Rainfall. Ecosystems, 2016, 19, 490-503.	3.4	47

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37	The importance of litter traits and decomposers for litter decomposition: a comparison of aquatic and terrestrial ecosystems within and across biomes. Functional Ecology, 2016, 30, 819-829.	3.6	190
38	Soil characteristics determine soil carbon and nitrogen availability during leaf litter decomposition regardless of litter quality. Soil Biology and Biochemistry, 2015, 81, 134-142.	8.8	83
39	Are there links between responses of soil microbes and ecosystem functioning to elevated <scp>CO</scp>₂, N deposition and warming? A global perspective. Global Change Biology, 2015, 21, 1590-1600.	9.5	140
40	Aspects of soil lichen biodiversity and aggregation interact to influence subsurface microbial function. Plant and Soil, 2015, 386, 303-316.	3.7	22
41	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
42	Earthworms modify plant biomass and nitrogen capture under conditions of soil nutrient heterogeneity and elevated atmospheric CO 2 concentrations. Soil Biology and Biochemistry, 2014, 78, 182-188.	8.8	13
43	Community-aggregated plant traits interact with soil nutrient heterogeneity to determine ecosystem functioning. Plant and Soil, 2013, 364, 119-129.	3.7	27
44	Decoupling of soil nutrient cycles as a function of aridity in global drylands. Nature, 2013, 502, 672-676.	27.8	733
45	Application of a high-throughput laboratory method to assess litter decomposition rates in multiple-species experiments. Soil Biology and Biochemistry, 2013, 57, 929-932.	8.8	8
46	Changes in rainfall amount and frequency do not affect the outcome of the interaction between the shrub Retama sphaerocarpa and its neighbouring grasses in two semiarid communities. Journal of Arid Environments, 2013, 91, 104-112.	2.4	14
47	Sideâ€effects of plant domestication: ecosystem impacts of changes in litter quality. New Phytologist, 2013, 198, 504-513.	7.3	60
48	Climate and litter quality differently modulate the effects of soil fauna on litter decomposition across biomes. Ecology Letters, 2013, 16, 1045-1053.	6.4	452
49	Corrigendum to GarcÃaâ€Palacios <i>etÂal</i>. (). Ecology Letters, 2013, 16, 1418-1418.	6.4	5
50	Aridity Modulates N Availability in Arid and Semiarid Mediterranean Grasslands. PLoS ONE, 2013, 8, e59807.	2.5	42
51	Plant Species Richness and Ecosystem Multifunctionality in Global Drylands. Science, 2012, 335, 214-218.	12.6	1,043
52	Plant responses to soil heterogeneity and global environmental change. Journal of Ecology, 2012, 100, 1303-1314.	4.0	101
53	Impact of simulated changes in rainfall regime and nutrient deposition on the relative dominance and isotopic composition of ruderal plants in anthropogenic grasslands. Plant and Soil, 2012, 352, 303-319.	3.7	9
54	Soil nutrient heterogeneity modulates ecosystem responses to changes in the identity and richness of plant functional groups. Journal of Ecology, 2011, 99, 551-562.	4.0	58

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55	Temporal dynamics of herbivory and water availability interactively modulate the outcome of a grassâ€“shrub interaction in a semiâ€arid ecosystem. Oikos, 2011, 120, 710-719.	2.7	52
56	Early-successional vegetation changes after roadside prairie restoration modify processes related with soil functioning by changing microbial functional diversity. Soil Biology and Biochemistry, 2011, 43, 1245-1253.	8.8	33
57	Biological Soil Crust Microsites Are the Main Contributor to Soil Respiration in a Semiarid Ecosystem. Ecosystems, 2011, 14, 835-847.	3.4	140
58	Ecosystem development in roadside grasslands: biotic control, plantâ€“soil interactions, and dispersal limitations. , 2011, 21, 2806-2821.		26
59	Dominant plant species modulate responses to hydroseeding, irrigation and fertilization during the restoration of semiarid motorway slopes. Ecological Engineering, 2010, 36, 1290-1298.	3.6	63
60	Do biotic interactions modulate ecosystem functioning along stress gradients? Insights from semi-arid plant and biological soil crust communities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2057-2070.	4.0	122
61	Shrub encroachment can reverse desertification in semiâ€arid Mediterranean grasslands. Ecology Letters, 2009, 12, 930-941.	6.4	285