

# Jorge Durn Humia

## List of Publications by Citations

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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.

42  
papers

802  
citations

17  
h-index

27  
g-index

44  
ext. papers

1,084  
ext. citations

5.7  
avg, IF

4.05  
L-index

#	Paper	IF	Citations
42	Winter climate change affects growing-season soil microbial biomass and activity in northern hardwood forests. <i>Global Change Biology</i> , <b>2014</b> , 20, 3568-77	11.4	55
41	Nitrogen oligotrophication in northern hardwood forests. <i>Biogeochemistry</i> , <b>2018</b> , 141, 523-539	3.8	52
40	Soil denitrification fluxes from three northeastern North American forests across a range of nitrogen deposition. <i>Oecologia</i> , <b>2015</b> , 177, 17-27	2.9	47
39	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. <i>Ecosphere</i> , <b>2016</b> , 7, e01251	3.1	47
38	Ivermectin residues disrupt dung beetle diversity, soil properties and ecosystem functioning: An interdisciplinary field study. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 219-228	10.2	47
37	Nitrogen supply modulates the effect of changes in drying-rewetting frequency on soil C and N cycling and greenhouse gas exchange. <i>Global Change Biology</i> , <b>2015</b> , 21, 3854-63	11.4	43
36	Changes in soil N and P availability in a <i>Pinus canariensis</i> fire chronosequence. <i>Forest Ecology and Management</i> , <b>2008</b> , 256, 384-387	3.9	43
35	Short-term wildfire effects on the spatial pattern and scale of labile organic-N and inorganic-N and P pools. <i>Forest Ecology and Management</i> , <b>2009</b> , 257, 739-746	3.9	38
34	Soil Denitrification Fluxes in a Northern Hardwood Forest: The Importance of Snowmelt and Implications for Ecosystem N Budgets. <i>Ecosystems</i> , <b>2015</b> , 18, 520-532	3.9	37
33	Winter climate change effects on soil C and N cycles in urban grasslands. <i>Global Change Biology</i> , <b>2013</b> , 19, 2826-37	11.4	37
32	Differential sensitivity to climate change of C and N cycling processes across soil horizons in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 107, 77-84	7.5	28
31	Differential Colonization and Succession of Microbial Communities in Rock and Soil Substrates on a Maritime Antarctic Glacier Forefield. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 126	5.7	28
30	Changes in net N mineralization rates and soil N and P pools in a pine forest wildfire chronosequence. <i>Biology and Fertility of Soils</i> , <b>2009</b> , 45, 781-788	6.1	27
29	Nitrate and dissolved organic carbon mobilization in response to soil freezing variability. <i>Biogeochemistry</i> , <b>2016</b> , 131, 35-47	3.8	26
28	Reduced snow cover alters root-microbe interactions and decreases nitrification rates in a northern hardwood forest. <i>Ecology</i> , <b>2016</b> , 97, 3359-3368	4.6	26
27	Temperature and aridity regulate spatial variability of soil multifunctionality in drylands across the globe. <i>Ecology</i> , <b>2018</b> , 99, 1184-1193	4.6	24
26	Wildfire changes the spatial pattern of soil nutrient availability in <i>Pinus canariensis</i> forests. <i>Annals of Forest Science</i> , <b>2009</b> , 66, 210-210	3.1	22

25	Interactive effects of forest die-off and drying-rewetting cycles on C and N mineralization. <i>Geoderma</i> , <b>2019</b> , 333, 81-89	6.7	16
24	Spatial pattern and variability in soil N and P availability under the influence of two dominant species in a pine forest. <i>Plant and Soil</i> , <b>2011</b> , 345, 211-221	4.2	16
23	Long-term decrease of organic and inorganic nitrogen concentrations due to pine forest wildfire. <i>Annals of Forest Science</i> , <b>2010</b> , 67, 207-207	3.1	15
22	Holm oak decline triggers changes in plant succession and microbial communities, with implications for ecosystem C and N cycling. <i>Plant and Soil</i> , <b>2017</b> , 414, 247-263	4.2	14
21	Changes in leaf nutrient traits in a wildfire chronosequence. <i>Plant and Soil</i> , <b>2010</b> , 331, 69-77	4.2	14
20	Global drivers of methane oxidation and denitrifying gene distribution in drylands. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 1230-1243	6.1	13
19	Comparison of in situ methods to measure N mineralization rates in forest soils. <i>Soil Biology and Biochemistry</i> , <b>2012</b> , 46, 145-147	7.5	13
18	Biocrusts Modulate Responses of Nitrous Oxide and Methane Soil Fluxes to Simulated Climate Change in a Mediterranean Dryland. <i>Ecosystems</i> , <b>2020</b> , 23, 1690-1701	3.9	10
17	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	10
16	Climate and soil micro-organisms drive soil phosphorus fractions in coastal dune systems. <i>Functional Ecology</i> , <b>2020</b> , 34, 1690-1701	5.6	9
15	The spatial distribution of animal casualties within a road corridor: Implications for roadkill monitoring in the southern Iberian rangelands. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2019</b> , 67, 119-130	6.4	8
14	Leaf resorption efficiency and proficiency in a <i>Quercus robur</i> population following forest harvest. <i>Forest Ecology and Management</i> , <b>2008</b> , 255, 2264-2271	3.9	6
13	Is vertebrate mortality correlated to potential permeability by underpasses along low-traffic roads?. <i>Journal of Environmental Management</i> , <b>2018</b> , 221, 53-62	7.9	5
12	Comparing the use of leaf and soil analysis as N and P availability indices in a wildfire chronosequence. <i>European Journal of Forest Research</i> , <b>2012</b> , 131, 1327-1335	2.7	4
11	Roots Mediate the Effects of Snowpack Decline on Soil Bacteria, Fungi, and Nitrogen Cycling in a Northern Hardwood Forest. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 926	5.7	3
10	Vegetation structure determines the spatial variability of soil biodiversity across biomes. <i>Scientific Reports</i> , <b>2020</b> , 10, 21500	4.9	3
9	Simulated nitrogen deposition influences soil greenhouse gas fluxes in a Mediterranean dryland. <i>Science of the Total Environment</i> , <b>2020</b> , 737, 139610	10.2	3
8	The pedogenic Walker and Syers model under high atmospheric P deposition rates. <i>Biogeochemistry</i> , <b>2020</b> , 148, 237-253	3.8	3

7	High resolution measurement of light in terrestrial ecosystems using photodegrading dyes. <i>PLoS ONE</i> , <b>2013</b> , 8, e75715	3.7	3
6	Snowpack affects soil microclimate throughout the year. <i>Climatic Change</i> , <b>2020</b> , 163, 705-722	4.5	2
5	Integrative effects of increasing aridity and biotic cover on soil attributes and functioning in coastal dune ecosystems. <i>Geoderma</i> , <b>2021</b> , 390, 114952	6.7	2
4	Wildfires decrease the local-scale ecosystem spatial variability of <i>Pinus canariensis</i> forests during the first two decades post fire. <i>International Journal of Wildland Fire</i> , <b>2019</b> , 28, 288	3.2	2
3	Forest die-off reduces soil C and N content and increases C stability in a Mediterranean woodland. <i>Geoderma</i> , <b>2020</b> , 359, 113990	6.7	1
2	Effects of functional and phylogenetic diversity on the temporal dynamics of soil N availability. <i>Plant and Soil</i> , <b>2022</b> , 472, 629	4.2	0
1	Cryptogamic cover determines soil attributes and functioning in polar terrestrial ecosystems. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 143169	10.2	0