# Jorge Durn Humia

## List of Publications by Year in Descending Order



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| 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 | Effects of functional and phylogenetic diversity on the temporal dynamics of soil N availability. *Plant and Soil*, **2022**, 472, 629 | 4.2 | 0 |
| 41 | Integrative effects of increasing aridity and biotic cover on soil attributes and functioning in coastal dune ecosystems. *Geoderma*, **2021**, 390, 114952 | 6.7 | 2 |
| 40 | Global homogenization of the structure and function in the soil microbiome of urban greenspaces. *Science Advances*, **2021**, 7, | 14.3 | 10 |
| 39 | Cryptogamic cover determines soil attributes and functioning in polar terrestrial ecosystems. *Science of the Total Environment*, **2021**, 762, 143169 | 10.2 | 0 |
| 38 | Vegetation structure determines the spatial variability of soil biodiversity across biomes. *Scientific Reports*, **2020**, 10, 21500 | 4.9 | 3 |
| 37 | Climate and soil micro-organisms drive soil phosphorus fractions in coastal dune systems. *Functional Ecology*, **2020**, 34, 1690-1701 | 5.6 | 9 |
| 36 | Simulated nitrogen deposition influences soil greenhouse gas fluxes in a Mediterranean dryland. *Science of the Total Environment*, **2020**, 737, 139610 | 10.2 | 3 |
| 35 | Differential Colonization and Succession of Microbial Communities in Rock and Soil Substrates on a Maritime Antarctic Glacier Forefield. *Frontiers in Microbiology*, **2020**, 11, 126 | 5.7 | 28 |
| 34 | Biocrusts Modulate Responses of Nitrous Oxide and Methane Soil Fluxes to Simulated Climate Change in a Mediterranean Dryland. *Ecosystems*, **2020**, 23, 1690-1701 | 3.9 | 10 |
| 33 | The pedogenic Walker and Syers model under high atmospheric P deposition rates. *Biogeochemistry* , **2020**, 148, 237-253 | 3.8 | 3 |
| 32 | Snowpack affects soil microclimate throughout the year. *Climatic Change*, **2020**, 163, 705-722 | 4.5 | 2 |
| 31 | Forest die-off reduces soil C and N content and increases C stability in a Mediterranean woodland. *Geoderma*, **2020**, 359, 113990 | 6.7 | 1 |
| 30 | Global drivers of methane oxidation and denitrifying gene distribution in drylands. *Global Ecology and Biogeography*, **2019**, 28, 1230-1243 | 6.1 | 13 |
| 29 | Roots Mediate the Effects of Snowpack Decline on Soil Bacteria, Fungi, and Nitrogen Cycling in a Northern Hardwood Forest. *Frontiers in Microbiology*, **2019**, 10, 926 | 5.7 | 3 |
| 28 | Interactive effects of forest die-off and drying-rewetting cycles on C and N mineralization. *Geoderma*, **2019**, 333, 81-89 | 6.7 | 16 |
| 27 | Wildfires decrease the local-scale ecosystem spatial variability of Pinus canariensis forests during the first two decades post fire. *International Journal of Wildland Fire*, **2019**, 28, 288 | 3.2 | 2 |
| 26 | The spatial distribution of animal casualties within a road corridor: Implications for roadkill monitoring in the southern Iberian rangelands. *Transportation Research, Part D: Transport and Environment*, **2019**, 67, 119-130 | 6.4 | 8 |

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| 25 | Temperature and aridity regulate spatial variability of soil multifunctionality in drylands across the globe. *Ecology*, **2018**, 99, 1184-1193 | 4.6 | 24 |
| 24 | Ivermectin residues disrupt dung beetle diversity, soil properties and ecosystem functioning: An interdisciplinary field study. *Science of the Total Environment*, **2018**, 618, 219-228 | 10.2 | 47 |
| 23 | Nitrogen oligotrophication in northern hardwood forests. *Biogeochemistry*, **2018**, 141, 523-539 | 3.8 | 52 |
| 22 | Is vertebrate mortality correlated to potential permeability by underpasses along low-traffic roads?. *Journal of Environmental Management*, **2018**, 221, 53-62 | 7.9 | 5 |
| 21 | Differential sensitivity to climate change of C and N cycling processes across soil horizons in a northern hardwood forest. *Soil Biology and Biochemistry*, **2017**, 107, 77-84 | 7.5 | 28 |
| 20 | Holm oak decline triggers changes in plant succession and microbial communities, with implications for ecosystem C and N cycling. *Plant and Soil*, **2017**, 414, 247-263 | 4.2 | 14 |
| 19 | Nitrate and dissolved organic carbon mobilization in response to soil freezing variability. *Biogeochemistry*, **2016**, 131, 35-47 | 3.8 | 26 |
| 18 | Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. *Ecosphere*, **2016**, 7, e01251 | 3.1 | 47 |
| 17 | Reduced snow cover alters root-microbe interactions and decreases nitrification rates in a northern hardwood forest. *Ecology*, **2016**, 97, 3359-3368 | 4.6 | 26 |
| 16 | Nitrogen supply modulates the effect of changes in drying-rewetting frequency on soil C and N cycling and greenhouse gas exchange. *Global Change Biology*, **2015**, 21, 3854-63 | 11.4 | 43 |
| 15 | Soil Denitrification Fluxes in a Northern Hardwood Forest: The Importance of Snowmelt and Implications for Ecosystem N Budgets. *Ecosystems*, **2015**, 18, 520-532 | 3.9 | 37 |
| 14 | Soil denitrification fluxes from three northeastern North American forests across a range of nitrogen deposition. *Oecologia*, **2015**, 177, 17-27 | 2.9 | 47 |
| 13 | Winter climate change affects growing-season soil microbial biomass and activity in northern hardwood forests. *Global Change Biology*, **2014**, 20, 3568-77 | 11.4 | 55 |
| 12 | Winter climate change effects on soil C and N cycles in urban grasslands. *Global Change Biology*, **2013**, 19, 2826-37 | 11.4 | 37 |
| 11 | High resolution measurement of light in terrestrial ecosystems using photodegrading dyes. *PLoS ONE*, **2013**, 8, e75715 | 3.7 | 3 |
| 10 | Comparison of in situ methods to measure N mineralization rates in forest soils. *Soil Biology and Biochemistry*, **2012**, 46, 145-147 | 7.5 | 13 |
| 9 | Comparing the use of leaf and soil analysis as N and P availability indices in a wildfire chronosequence. *European Journal of Forest Research*, **2012**, 131, 1327-1335 | 2.7 | 4 |
| 8 | Spatial pattern and variability in soil N and P availability under the influence of two dominant species in a pine forest. *Plant and Soil*, **2011**, 345, 211-221 | 4.2 | 16 |

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| 7 | Long-term decrease of organic and inorganic nitrogen concentrations due to pine forest wildfire. *Annals of Forest Science*, **2010**, 67, 207-207 | 3.1 | 15 |
| 6 | Changes in leaf nutrient traits in a wildfire chronosequence. *Plant and Soil*, **2010**, 331, 69-77 | 4.2 | 14 |
| 5 | Changes in net N mineralization rates and soil N and P pools in a pine forest wildfire chronosequence. *Biology and Fertility of Soils*, **2009**, 45, 781-788 | 6.1 | 27 |
| 4 | Wildfire changes the spatial pattern of soil nutrient availability in Pinus canariensis forests. *Annals of Forest Science*, **2009**, 66, 210-210 | 3.1 | 22 |
| 3 | Short-term wildfire effects on the spatial pattern and scale of labile organic-N and inorganic-N and P pools. *Forest Ecology and Management*, **2009**, 257, 739-746 | 3.9 | 38 |
| 2 | Leaf resorption efficiency and proficiency in a Quercus robur population following forest harvest. *Forest Ecology and Management*, **2008**, 255, 2264-2271 | 3.9 | 6 |
| 1 | Changes in soil N and P availability in a Pinus canariensis fire chronosequence. *Forest Ecology and Management*, **2008**, 256, 384-387 | 3.9 | 43 |