

# Laurent Augusto

## List of Publications by Year in Descending Order

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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.

66  
papers

2,841  
citations

27  
h-index

53  
g-index

70  
ext. papers

3,535  
ext. citations

5.1  
avg. IF

5.06  
L-index

#	Paper	IF	Citations
66	Tree functional traits, forest biomass, and tree species diversity interact with site properties to drive forest soil carbon.. <i>Nature Communications</i> , <b>2022</b> , 13, 1097	17.4	0
65	Global patterns and drivers of soil total phosphorus concentration. <i>Earth System Science Data</i> , <b>2021</b> , 13, 5831-5846	10.5	3
64	Search for top-down and bottom-up drivers of latitudinal trends in insect herbivory in oak trees in Europe. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 651-665	6.1	4
63	Tree species richness and water availability interact to affect soil microbial processes. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 155, 108180	7.5	5
62	Insights on Nitrogen and Phosphorus Co-Limitation in Global Croplands From Theoretical and Modeling Fertilization Experiments. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2020GB006915	5.9	0
61	Home-field advantage of litter decomposition: from the phyllosphere to the soil. <i>New Phytologist</i> , <b>2021</b> , 231, 1353-1358	9.8	5
60	Complex biotic interactions mediated by shrubs: Revisiting the stress-gradient hypothesis and consequences for tree seedling survival. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 1341-1350	5.8	9
59	Tamm Review: Influence of forest management activities on soil organic carbon stocks: A knowledge synthesis. <i>Forest Ecology and Management</i> , <b>2020</b> , 466, 118127	3.9	140
58	Effect of a tree mixture and water availability on soil nutrients and extracellular enzyme activities along the soil profile in an experimental forest. <i>Soil Biology and Biochemistry</i> , <b>2020</b> , 148, 107864	7.5	10
57	Effect of tree mixtures and water availability on belowground complementarity of fine roots of birch and pine planted on sandy podzol. <i>Plant and Soil</i> , <b>2020</b> , 457, 437-455	4.2	2
56	Combining partial cutting and direct seeding to overcome regeneration failures in dune forests. <i>Forest Ecology and Management</i> , <b>2020</b> , 476, 118466	3.9	2
55	Relative Importance of Climate, Soil and Plant Functional Traits During the Early Decomposition Stage of Standardized Litter. <i>Ecosystems</i> , <b>2020</b> , 23, 1004-1018	3.9	15
54	Importance of the vegetation-groundwater-stream continuum to understand transformation of biogenic carbon in aquatic systems - A case study based on a pine-maize comparison in a lowland sandy watershed (Landes de Gascogne, SW France). <i>Science of the Total Environment</i> , <b>2019</b> , 661, 613-629	10.2	8
53	Diagnosis of forest soil sensitivity to harvesting residues removal A transfer study of soil science knowledge to forestry practitioners. <i>Ecological Indicators</i> , <b>2019</b> , 104, 512-523	5.8	4
52	When plants eat rocks: Functional adaptation of roots on rock outcrops. <i>Functional Ecology</i> , <b>2019</b> , 33, 760-761	5.6	2
51	Intercropping N-fixing shrubs in pine plantation forestry as an ecologically sustainable management option. <i>Forest Ecology and Management</i> , <b>2019</b> , 437, 175-187	3.9	10
50	Nutrient remobilization in tree foliage as affected by soil nutrients and leaf life span. <i>Ecological Monographs</i> , <b>2018</b> , 88, 408-428	9	33

49	Quantifying the Limitation to World Cereal Production Due To Soil Phosphorus Status. <i>Global Biogeochemical Cycles</i> , <b>2018</b> , 32, 143-157	5.9	23
48	Competition along productivity gradients: news from heathlands. <i>Oecologia</i> , <b>2018</b> , 187, 219-231	2.9	5
47	Effects of Management Practices and Topography on Ectomycorrhizal Fungi of Maritime Pine during Seedling Recruitment. <i>Forests</i> , <b>2018</b> , 9, 245	2.8	7
46	Modelling the nutrient cost of biomass harvesting under different silvicultural and climate scenarios in production forests. <i>Forest Ecology and Management</i> , <b>2018</b> , 429, 642-653	3.9	3
45	Using a dune forest as a filtering ecosystem for water produced by a treatment plant - One decade of environmental assessment. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 849-861	10.2	0
44	Hydro-ecological controls on dissolved carbon dynamics in groundwater and export to streams in a temperate pine forest. <i>Biogeosciences</i> , <b>2018</b> , 15, 669-691	4.6	11
43	Phosphorus in agricultural soils: drivers of its distribution at the global scale. <i>Global Change Biology</i> , <b>2017</b> , 23, 3418-3432	11.4	39
42	Soil parent material-A major driver of plant nutrient limitations in terrestrial ecosystems. <i>Global Change Biology</i> , <b>2017</b> , 23, 3808-3824	11.4	144
41	The potential of Eucalyptus plantations to restore degraded soils in semi-arid Morocco (NW Africa). <i>Annals of Forest Science</i> , <b>2017</b> , 74, 1	3.1	9
40	Comparison of ingrowth cores and ingrowth meshes in root studies: 3 years of data on Pinus pinaster and its understory. <i>Trees - Structure and Function</i> , <b>2016</b> , 30, 555-570	2.6	8
39	Soil properties controlling inorganic phosphorus availability: general results from a national forest network and a global compilation of the literature. <i>Biogeochemistry</i> , <b>2016</b> , 127, 255-272	3.8	55
38	What is the P value of Siberian soils? Soil phosphorus status in south-western Siberia and comparison with a global data set. <i>Biogeosciences</i> , <b>2016</b> , 13, 2493-2509	4.6	10
37	Assessing the plant minimal exchangeable potassium of a soil. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2016</b> , 179, 584-590	2.3	4
36	Future challenges in coupled C-N-P cycle models for terrestrial ecosystems under global change: a review. <i>Biogeochemistry</i> , <b>2016</b> , 131, 173-202	3.8	47
35	Biomass and nutrients in tree root systems Sustainable harvesting of an intensively managed Pinus pinaster (Ait.) planted forest. <i>GCB Bioenergy</i> , <b>2015</b> , 7, 231-243	5.6	27
34	Influences of evergreen gymnosperm and deciduous angiosperm tree species on the functioning of temperate and boreal forests. <i>Biological Reviews</i> , <b>2015</b> , 90, 444-66	13.5	186
33	Forest soil carbon is threatened by intensive biomass harvesting. <i>Scientific Reports</i> , <b>2015</b> , 5, 15991	4.9	109
32	Weak Evidence of Regeneration Habitat but Strong Evidence of Regeneration Niche for a Leguminous Shrub. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130886	3.7	8

31	Convergence of soil nitrogen isotopes across global climate gradients. <i>Scientific Reports</i> , <b>2015</b> , 5, 8280	4.9	90
30	Contribution of understory species to total ecosystem aboveground and belowground biomass in temperate <i>Pinus pinaster</i> Ait. forests. <i>Forest Ecology and Management</i> , <b>2013</b> , 289, 38-47	3.9	45
29	Contributions of microbial and physical-chemical processes to phosphorus availability in Podzols and Arenosols under a temperate forest. <i>Geoderma</i> , <b>2013</b> , 211-212, 18-27	6.7	18
28	Plasticity of reproductive allocation of a woody species ( <i>Ulex europaeus</i> ) in response to variation in resource availability. <i>Annals of Forest Science</i> , <b>2013</b> , 70, 219-228	3.1	16
27	Global assessment of limitation to symbiotic nitrogen fixation by phosphorus availability in terrestrial ecosystems using a meta-analysis approach. <i>Global Biogeochemical Cycles</i> , <b>2013</b> , 27, 804-815	5.9	58
26	Microbial processes controlling P availability in forest spodosols as affected by soil depth and soil properties. <i>Soil Biology and Biochemistry</i> , <b>2012</b> , 44, 39-48	7.5	52
25	Drying-induced changes in phosphorus status of soils with contrasting soil organic matter contents: Implications for laboratory approaches. <i>Geoderma</i> , <b>2012</b> , 187-188, 41-48	6.7	31
24	Four decades of post-agricultural forest development have caused major redistributions of soil phosphorus fractions. <i>Oecologia</i> , <b>2012</b> , 169, 221-34	2.9	54
23	Two-year dynamics of foliage labelling in 8-year-old <i>Pinus pinaster</i> trees with $^{15}\text{N}$ , $^{26}\text{Mg}$ and $^{42}\text{Ca}$ —stimulation of Ca transport in xylem using an upscaling approach. <i>Annals of Forest Science</i> , <b>2011</b> , 68, 169-178	3.1	18
22	Predicting available phosphate ions from physical-chemical soil properties in acidic sandy soils under pine forests. <i>Journal of Soils and Sediments</i> , <b>2011</b> , 11, 452-466	3.4	21
21	Gorse seed bank variability in maritime pine stands. <i>Seed Science Research</i> , <b>2010</b> , 20, 31-38	1.3	5
20	Quantifying gross mineralisation of P in dead soil organic matter: Testing an isotopic dilution method. <i>Geoderma</i> , <b>2010</b> , 158, 163-172	6.7	21
19	Assessing turnover of microbial biomass phosphorus: Combination of an isotopic dilution method with a mass balance model. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 2231-2240	7.5	93
18	Modeling forest floor contribution to phosphorus supply to maritime pine seedlings in two-layered forest soils. <i>Ecological Modelling</i> , <b>2010</b> , 221, 927-935	3	12
17	Evaluation of the phosphorus status of P-deficient podzols in temperate pine stands: combining isotopic dilution and extraction methods. <i>Biogeochemistry</i> , <b>2009</b> , 92, 183-200	3.8	66
16	Forest floor contribution to phosphorus nutrition: experimental data. <i>Annals of Forest Science</i> , <b>2009</b> , 66, 510-510	3.1	37
15	Floristic and ecological differences between recent and ancient forests growing on non-acidic soils. <i>Forest Ecology and Management</i> , <b>2009</b> , 258, 600-608	3.9	34
14	Improving models of forest nutrient export with equations that predict the nutrient concentration of tree compartments. <i>Annals of Forest Science</i> , <b>2008</b> , 65, 808-808	3.1	34

13	Les sols du massif forestier des Landes de Gascogne : formation, histoire, propriétés et variabilité spatiale. <i>Revue Forestiere Francaise</i> , <b>2007</b> ,	1	2
12	Field effect of P fertilization on N <sub>2</sub> fixation rate of <i>Ulex europaeus</i> . <i>Annals of Forest Science</i> , <b>2007</b> , 64, 875-881	3.1	11
11	The effect of forest type on throughfall deposition and seepage flux: a review. <i>Oecologia</i> , <b>2007</b> , 153, 663-74	2.9	137
10	Effects of tree species on understory vegetation and environmental conditions in temperate forests. <i>Annals of Forest Science</i> , <b>2003</b> , 60, 823-831	3.1	192
9	Impact of several common tree species of European temperate forests on soil fertility. <i>Annals of Forest Science</i> , <b>2002</b> , 59, 233-253	3.1	558
8	Impact of tree species on soil solutions in acidic conditions. <i>Annals of Forest Science</i> , <b>2001</b> , 58, 47-58	3.1	26
7	Potential contribution of the seed bank in coniferous plantations to the restoration of native deciduous forest vegetation. <i>Acta Oecologica</i> , <b>2001</b> , 22, 87-98	1.7	56
6	Relationships between forest tree species, stand production and stand nutrient amount. <i>Annals of Forest Science</i> , <b>2000</b> , 57, 313-324	3.1	56
5	Impact of forest tree species on feldspar weathering rates. <i>Geoderma</i> , <b>2000</b> , 96, 215-237	6.7	84
4	Impact of tree species on forest soil acidification. <i>Forest Ecology and Management</i> , <b>1998</b> , 105, 67-78	3.9	62
3	Understorey-overstorey biotic and nutrient interactions are key factors for <i>Pinus pinaster</i> growth and development under oligotrophic conditions. <i>Scandinavian Journal of Forest Research</i> , 1-12	1.7	0
2	Effects of mixing tree species and water availability on soil organic carbon stocks are depth dependent in a temperate podzol. <i>European Journal of Soil Science</i> ,	3.4	1
1	Global patterns and drivers of soil total phosphorus concentration		2