

Etienne Lalibert

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

83
papers

7,061
citations

37
h-index

84
g-index

104
ext. papers

8,754
ext. citations

6.8
avg, IF

6.53
L-index

#	Paper	IF	Citations
83	Variations in accuracy of leaf functional trait prediction due to spectral mixing. <i>Ecological Indicators</i> , 2022 , 136, 108687	5.8	1
82	Plant beta-diversity across biomes captured by imaging spectroscopy.. <i>Nature Communications</i> , 2022 , 13, 2767	17.4	0
81	Temperate Forests Dominated by Arbuscular or Ectomycorrhizal Fungi Are Characterized by Strong Shifts from Saprotrophic to Mycorrhizal Fungi with Increasing Soil Depth. <i>Microbial Ecology</i> , 2021 , 82, 377-390	4.4	8
80	A test of the Janzen-Connell hypothesis in a species-rich Mediterranean woodland. <i>Ecosphere</i> , 2021 , 12, e03821	3.1	1
79	A shift from phenol to silica-based leaf defences during long-term soil and ecosystem development. <i>Ecology Letters</i> , 2021 , 24, 984-995	10	13
78	Soil microbial communities are driven by the declining availability of cations and phosphorus during ecosystem retrogression. <i>Soil Biology and Biochemistry</i> , 2021 , 163, 108430	7.5	0
77	Impact of ecosystem water balance and soil parent material on silicon dynamics: insights from three long-term chronosequences. <i>Biogeochemistry</i> , 2021 , 156, 335	3.8	0
76	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021 , 8, 254	8.2	6
75	Foliar sampling with an unmanned aerial system (UAS) reveals spectral and functional trait differences within tree crowns. <i>Canadian Journal of Forest Research</i> , 2020 , 50, 966-974	1.9	5
74	Silicon Dynamics During 2 Million Years of Soil Development in a Coastal Dune Chronosequence Under a Mediterranean Climate. <i>Ecosystems</i> , 2020 , 23, 1614-1630	3.9	13
73	Soil abiotic and biotic properties constrain the establishment of a dominant temperate tree into boreal forests. <i>Journal of Ecology</i> , 2020 , 108, 931-944	6	13
72	Accuracy of 3D Landscape Reconstruction without Ground Control Points Using Different UAS Platforms. <i>Drones</i> , 2020 , 4, 13	5.4	23
71	Greater root phosphatase activity of tropical trees at low phosphorus despite strong variation among species. <i>Ecology</i> , 2020 , 101, e03090	4.6	11
70	Partitioning plant spectral diversity into alpha and beta components. <i>Ecology Letters</i> , 2020 , 23, 370-380	10	37
69	Plants sustain the terrestrial silicon cycle during ecosystem retrogression. <i>Science</i> , 2020 , 369, 1245-1248	33.3	27
68	Foliar Spectra and Traits of Bog Plants across Nitrogen Deposition Gradients. <i>Remote Sensing</i> , 2020 , 12, 2448	5	6
67	Toward more robust plant-soil feedback research: Comment. <i>Ecology</i> , 2019 , 100, e02590	4.6	14

66	Biotic and abiotic plant-soil feedback depends on nitrogen-acquisition strategy and shifts during long-term ecosystem development. <i>Journal of Ecology</i> , 2019 , 107, 142-153	6	22
65	Contrasting patterns of plant and microbial diversity during long-term ecosystem development. <i>Journal of Ecology</i> , 2019 , 107, 606-621	6	29
64	Plasticity in root symbioses following shifts in soil nutrient availability during long-term ecosystem development. <i>Journal of Ecology</i> , 2019 , 107, 633-649	6	25
63	Symbiotic N-Fixer Community Composition, but Not Diversity, Shifts in Nodules of a Single Host Legume Across a 2-Million-Year Dune Chronosequence. <i>Microbial Ecology</i> , 2018 , 76, 1009-1020	4.4	6
62	Effects of fragmentation on the plant functional composition and diversity of remnant woodlands in a young and rapidly expanding city. <i>Journal of Vegetation Science</i> , 2018 , 29, 285-296	3.1	11
61	A climosequence of chronosequences in southwestern Australia. <i>European Journal of Soil Science</i> , 2018 , 69, 69-85	3.4	34
60	Phosphorus- and nitrogen-acquisition strategies in two <i>Bossiaea</i> species (Fabaceae) along retrogressive soil chronosequences in south-western Australia. <i>Physiologia Plantarum</i> , 2018 , 163, 323	4.6	14
59	How belowground interactions contribute to the coexistence of mycorrhizal and non-mycorrhizal species in severely phosphorus-impooverished hyperdiverse ecosystems. <i>Plant and Soil</i> , 2018 , 424, 11-33	4.2	100
58	High abundance of non-mycorrhizal plant species in severely phosphorus-impooverished Brazilian campos rupestres. <i>Plant and Soil</i> , 2018 , 424, 255-271	4.2	20
57	Metabolic Adaptations of the Non-Mycotrophic Proteaceae to Soils with Low Phosphorus Availability 2018 , 289-335		1
56	Plant-soil feedback and the maintenance of diversity in Mediterranean-climate shrublands. <i>Science</i> , 2017 , 355, 173-176	33.3	190
55	Greater root phosphatase activity in nitrogen-fixing rhizobial but not actinorhizal plants with declining phosphorus availability. <i>Journal of Ecology</i> , 2017 , 105, 1246-1255	6	41
54	Etienne Laliberté <i>New Phytologist</i> , 2017 , 213, 1580-1581	9.8	0
53	Soil fertility shapes belowground food webs across a regional climate gradient. <i>Ecology Letters</i> , 2017 , 20, 1273-1284	10	54
52	Below-ground frontiers in trait-based plant ecology. <i>New Phytologist</i> , 2017 , 213, 1597-1603	9.8	137
51	Native soilborne pathogens equalize differences in competitive ability between plants of contrasting nutrient-acquisition strategies. <i>Journal of Ecology</i> , 2017 , 105, 549-557	6	37
50	Strong linkage between plant and soil fungal communities along a successional coastal dune system. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	30
49	Reinforcing loose foundation stones in trait-based plant ecology. <i>Oecologia</i> , 2016 , 180, 923-31	2.9	237

48	Mycorrhizal fungal biomass and scavenging declines in phosphorus-impooverished soils during ecosystem retrogression. <i>Soil Biology and Biochemistry</i> , 2016 , 92, 119-132	7.5	37
47	Increasing plant species diversity and extreme species turnover accompany declining soil fertility along a long-term chronosequence in a biodiversity hotspot. <i>Journal of Ecology</i> , 2016 , 104, 792-805	6	59
46	Shifts in symbiotic associations in plants capable of forming multiple root symbioses across a long-term soil chronosequence. <i>Ecology and Evolution</i> , 2016 , 6, 2368-77	2.8	24
45	High richness of ectomycorrhizal fungi and low host specificity in a coastal sand dune ecosystem revealed by network analysis. <i>Ecology and Evolution</i> , 2016 , 6, 349-62	2.8	20
44	Changes in ectomycorrhizal fungal community composition and declining diversity along a 2-million-year soil chronosequence. <i>Molecular Ecology</i> , 2016 , 25, 4919-29	5.7	31
43	Soil Development and Nutrient Availability Along a 2 Million-Year Coastal Dune Chronosequence Under Species-Rich Mediterranean Shrubland in Southwestern Australia. <i>Ecosystems</i> , 2015 , 18, 287-309	3.9	82
42	Metabolic Adaptations of the Non-Mycotrophic Proteaceae to Soils With Low Phosphorus Availability 2015 , 289-335		25
41	Diversity of plant nutrient-acquisition strategies increases during long-term ecosystem development. <i>Nature Plants</i> , 2015 , 1,	11.5	139
40	Phosphorus limitation, soil-borne pathogens and the coexistence of plant species in hyperdiverse forests and shrublands. <i>New Phytologist</i> , 2015 , 206, 507-21	9.8	141
39	Leaf manganese accumulation and phosphorus-acquisition efficiency. <i>Trends in Plant Science</i> , 2015 , 20, 83-90	13.1	166
38	The rise and fall of arbuscular mycorrhizal fungal diversity during ecosystem retrogression. <i>Molecular Ecology</i> , 2015 , 24, 4912-30	5.7	39
37	Complex effects of fragmentation on remnant woodland plant communities of a rapidly urbanizing biodiversity hotspot. <i>Ecology</i> , 2014 , 95, 2466-2478	4.6	61
36	The winners and losers of land use intensification: pollinator community disassembly is non-random and alters functional diversity. <i>Diversity and Distributions</i> , 2014 , 20, 908-917	5	99
35	Low levels of ribosomal RNA partly account for the very high photosynthetic phosphorus-use efficiency of Proteaceae species. <i>Plant, Cell and Environment</i> , 2014 , 37, 1276-98	8.4	87
34	Environmental filtering explains variation in plant diversity along resource gradients. <i>Science</i> , 2014 , 345, 1602-5	33.3	179
33	Foliar nutrient concentrations and resorption efficiency in plants of contrasting nutrient-acquisition strategies along a 2-million-year dune chronosequence. <i>Journal of Ecology</i> , 2014 , 102, 396-410	6	191
32	Contrasting effects of productivity and disturbance on plant functional diversity at local and metacommunity scales. <i>Journal of Vegetation Science</i> , 2013 , 24, 834-842	3.1	75
31	Primed for Change: Developing Ecological Restoration for the 21st Century. <i>Restoration Ecology</i> , 2013 , 21, 297-304	3.1	115

30	Nutrient limitation along the Jurien Bay dune chronosequence: response to Uren & Parsons (). <i>Journal of Ecology</i> , 2013 , 101, 1088-1092	6	12
29	A long-term experimental test of the dynamic equilibrium model of species diversity. <i>Oecologia</i> , 2013 , 171, 439-48	2.9	16
28	How does pedogenesis drive plant diversity?. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 331-40	10.9	130
27	Phosphorus nutrition of phosphorus-sensitive Australian native plants: threats to plant communities in a global biodiversity hotspot 2013 , 1, cot010		60
26	Biotic plant-soil feedbacks across temporal scales. <i>Journal of Ecology</i> , 2013 , 101, 309-315	6	131
25	Which plant traits determine abundance under long-term shifts in soil resource availability and grazing intensity?. <i>Journal of Ecology</i> , 2012 , 100, 662-677	6	88
24	Experimental assessment of nutrient limitation along a 2-million-year dune chronosequence in the south-western Australia biodiversity hotspot. <i>Journal of Ecology</i> , 2012 , 100, 631-642	6	150
23	Proteaceae from severely phosphorus-impooverished soils extensively replace phospholipids with galactolipids and sulfolipids during leaf development to achieve a high photosynthetic phosphorus-use-efficiency. <i>New Phytologist</i> , 2012 , 196, 1098-1108	9.8	157
22	Phosphorus-mobilization ecosystem engineering: the roles of cluster roots and carboxylate exudation in young P-limited ecosystems. <i>Annals of Botany</i> , 2012 , 110, 329-48	4.1	125
21	Cascading effects of long-term land-use changes on plant traits and ecosystem functioning. <i>Ecology</i> , 2012 , 93, 145-55	4.6	99
20	Estimating litter decomposition rate in single-pool models using nonlinear beta regression. <i>PLoS ONE</i> , 2012 , 7, e45140	3.7	5
19	Climatic constraints on trait-based forest assembly. <i>Journal of Ecology</i> , 2011 , 99, 1489-1499	6	69
18	Update on phosphorus nutrition in Proteaceae. Phosphorus nutrition of proteaceae in severely phosphorus-impooverished soils: are there lessons to be learned for future crops?. <i>Plant Physiology</i> , 2011 , 156, 1058-66	6.6	146
17	Land-use intensification reduces functional redundancy and response diversity in plant communities. <i>Ecology Letters</i> , 2010 , 13, 76-86	10	399
16	A distance-based framework for measuring functional diversity from multiple traits. <i>Ecology</i> , 2010 , 91, 299-305	4.6	1960
15	Deforestation homogenizes tropical parasitoid-host networks. <i>Ecology</i> , 2010 , 91, 1740-7	4.6	87
14	Conservation of species interaction networks. <i>Biological Conservation</i> , 2010 , 143, 2270-2279	6.2	497
13	Comparison of Two Sampling Methods for Quantifying Changes in Vegetation Composition Under Rangeland Development. <i>Rangeland Ecology and Management</i> , 2010 , 63, 537-545	2.2	9

12	Assessing the scale-specific importance of niches and other spatial processes on beta diversity: a case study from a temperate forest. <i>Oecologia</i> , 2009 , 159, 377-88	2.9	114
11	Optimizing Hardwood Reforestation in Old Fields: The Effects of Treeshelters and Environmental Factors on Tree Seedling Growth and Physiology. <i>Restoration Ecology</i> , 2008 , 16, 270-280	3.1	12
10	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. <i>Ecology</i> , 2008 , 89, 3232-3237	4.6	21
9	Spatiotemporal patterns in seedling emergence and early growth of two oak species direct-seeded on abandoned pastureland. <i>Annals of Forest Science</i> , 2008 , 65, 407-407	3.1	14
8	LAC CROCHE UNDERSTORY VEGETATION DATA SET (1998-2006). <i>Ecology</i> , 2007 , 88, 3209-3209	4.6	4
7	Measuring CN content in leaf samples using Elementar Vario MICRO Cube v1		3
6	Measuring leaf carbon fractions with the ANKOM2000 Fiber Analyzer v1		2
5	Ectomycorrhizal Stands Accelerate Decomposition to a Greater Extent than Arbuscular Mycorrhizal Stands in a Northern Deciduous Forest. <i>Ecosystems</i> , 1	3.9	1
4	A climosequence of chronosequences in southwestern Australia		2
3	AusTraits - a curated plant trait database for the Australian flora		1
2	BII-Implementation: The causes and consequences of plant biodiversity across scales in a rapidly changing world. <i>Research Ideas and Outcomes</i> , 7,	2.5	2
1	Ectomycorrhizas accelerate decomposition to a greater extent than arbuscular mycorrhizas in a northern deciduous forest		1