Etienne LalibertÃ©

List of Publications by Year
in descending order

77 papers	9,998 citations	71061 41 h-index	74108 75 g-index
104 all docs	104 docs citations	104 times ranked	13290 citing authors

#	Article	IF	Citations
1	A distanceâ€based framework for measuring functional diversity from multiple traits. Ecology, 2010, 91, 299-305.	1.5	2,787
2	Conservation of species interaction networks. Biological Conservation, 2010, 143, 2270-2279.	1.9	689
3	Landâ€use intensification reduces functional redundancy and response diversity in plant communities. Ecology Letters, 2010, 13, 76-86.	3.0	476
4	Reinforcing loose foundation stones in trait-based plant ecology. Oecologia, 2016, 180, 923-931.	0.9	335
5	Plant-soil feedback and the maintenance of diversity in Mediterranean-climate shrublands. Science, 2017, 355, 173-176.	6.0	299
6	Foliar nutrient concentrations and resorption efficiency in plants of contrasting nutrientâ€acquisition strategies along a 2â€millionâ€year dune chronosequence. Journal of Ecology, 2014, 102, 396-410.	1.9	253
7	Leaf manganese accumulation and phosphorus-acquisition efficiency. Trends in Plant Science, 2015, 20, 83-90.	4.3	251
8	Environmental filtering explains variation in plant diversity along resource gradients. Science, 2014, 345, 1602-1605.	6.0	238
9	Proteaceae from severely phosphorusâ€impoverished soils extensively replace phospholipids with galactolipids and sulfolipids during leaf development to achieve a high photosynthetic phosphorusâ€useâ€efficiency. New Phytologist, 2012, 196, 1098-1108.	3.5	225
10	Phosphorus limitation, soilâ€borne pathogens and the coexistence of plant species in hyperdiverse forests and shrublands. New Phytologist, 2015, 206, 507-521.	3.5	222
11	Belowâ€ground frontiers in traitâ€based plant ecology. New Phytologist, 2017, 213, 1597-1603.	3.5	220
12	Diversity of plant nutrient-acquisition strategies increases during long-term ecosystem development. Nature Plants, 2015, 1, .	4.7	191
13	Experimental assessment of nutrient limitation along a 2â€millionâ€year dune chronosequence in the southâ€western Australia biodiversity hotspot. Journal of Ecology, 2012, 100, 631-642.	1.9	189
14	Biotic plantâ€“soil feedbacks across temporal scales. Journal of Ecology, 2013, 101, 309-315.	1.9	184
15	Phosphorus Nutrition of Proteaceae in Severely Phosphorus-Impoverished Soils: Are There Lessons To Be Learned for Future Crops?. Plant Physiology, 2011, 156, 1058-1066.	2.3	176
16	How does pedogenesis drive plant diversity?. Trends in Ecology and Evolution, 2013, 28, 331-340.	4.2	165
17	Phosphorus-mobilization ecosystem engineering: the roles of cluster roots and carboxylate exudation in young P-limited ecosystems. Annals of Botany, 2012, 110, 329-348.	1.4	149
18	How belowground interactions contribute to the coexistence of mycorrhizal and non-mycorrhizal species in severely phosphorus-impoverished hyperdiverse ecosystems. Plant and Soil, 2018, 424, 11-33.	1.8	149

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19	Primed for Change: Developing Ecological Restoration for the 21st Century. Restoration Ecology, 2013, 21, 297-304.	1.4	147
20	The winners and losers of land use intensification: pollinator community disassembly is nonâ€random and alters functional diversity. Diversity and Distributions, 2014, 20, 908-917.	1.9	138
21	Assessing the scale-specific importance of niches and other spatial processes on beta diversity: a case study from a temperate forest. Oecologia, 2009, 159, 377-388.	0.9	136
22	Low levels of ribosomal <scp>RNA</scp> partly account for the very high photosynthetic phosphorusâ€use efficiency of <scp>P</scp>roteaceae species. Plant, Cell and Environment, 2014, 37, 1276-1298.	2.8	121
23	Cascading effects of longâ€term landâ€use changes on plant traits and ecosystem functioning. Ecology, 2012, 93, 145-155.	1.5	119
24	Deforestation homogenizes tropical parasitoidâ€“host networks. Ecology, 2010, 91, 1740-1747.	1.5	113
25	Soil Development and Nutrient Availability Along a 2ÂMillion-Year Coastal Dune Chronosequence Under Species-Rich Mediterranean Shrubland in Southwestern Australia. Ecosystems, 2015, 18, 287-309.	1.6	110
26	Which plant traits determine abundance under longâ€term shifts in soil resource availability and grazing intensity?. Journal of Ecology, 2012, 100, 662-677.	1.9	107
27	Climatic constraints on traitâ€based forest assembly. Journal of Ecology, 2011, 99, 1489-1499.	1.9	103
28	Contrasting effects of productivity and disturbance on plant functional diversity at local and metacommunity scales. Journal of Vegetation Science, 2013, 24, 834-842.	1.1	88
29	Soil fertility shapes belowground food webs across a regional climate gradient. Ecology Letters, 2017, 20, 1273-1284.	3.0	78
30	Greater root phosphatase activity in nitrogenâ€fixing rhizobial but not actinorhizal plants with declining phosphorus availability. Journal of Ecology, 2017, 105, 1246-1255.	1.9	77
31	Phosphorus nutrition of phosphorus-sensitive Australian native plants: threats to plant communities in a global biodiversity hotspot. , 2013, 1, cot010-cot010.		76
32	Complex effects of fragmentation on remnant woodland plant communities of a rapidly urbanizing biodiversity hotspot. Ecology, 2014, 95, 2466-2478.	1.5	76
33	Increasing plant species diversity and extreme species turnover accompany declining soil fertility along a longâ€term chronosequence in a biodiversity hotspot. Journal of Ecology, 2016, 104, 792-805.	1.9	76
34	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	2.4	73
35	Partitioning plant spectral diversity into alpha and beta components. Ecology Letters, 2020, 23, 370-380.	3.0	62
36	Plants sustain the terrestrial silicon cycle during ecosystem retrogression. Science, 2020, 369, 1245-1248.	6.0	57

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37	Mycorrhizal fungal biomass and scavenging declines in phosphorus-impoverished soils during ecosystem retrogression. Soil Biology and Biochemistry, 2016, 92, 119-132.	4.2	55
38	A climosequence of chronosequences in southwestern Australia. European Journal of Soil Science, 2018, 69, 69-85.	1.8	55
39	Native soilborne pathogens equalize differences in competitive ability between plants of contrasting nutrientâ€acquisition strategies. Journal of Ecology, 2017, 105, 549-557.	1.9	52
40	The rise and fall of arbuscular mycorrhizal fungal diversity during ecosystem retrogression. Molecular Ecology, 2015, 24, 4912-4930.	2.0	51
41	Contrasting patterns of plant and microbial diversity during longâ€term ecosystem development. Journal of Ecology, 2019, 107, 606-621.	1.9	48
42	Strong linkage between plant and soil fungal communities along a successional coastal dune system. FEMS Microbiology Ecology, 2016, 92, fiw156.	1.3	44
43	Biotic and abiotic plantâ€“soil feedback depends on nitrogenâ€acquisition strategy and shifts during longâ€term ecosystem development. Journal of Ecology, 2019, 107, 142-153.	1.9	41
44	Accuracy of 3D Landscape Reconstruction without Ground Control Points Using Different UAS Platforms. Drones, 2020, 4, 13.	2.7	41
45	Plasticity in root symbioses following shifts in soil nutrient availability during longâ€term ecosystem development. Journal of Ecology, 2019, 107, 633-649.	1.9	40
46	Changes in ectomycorrhizal fungal community composition and declining diversity along a 2â€millionâ€year soil chronosequence. Molecular Ecology, 2016, 25, 4919-4929.	2.0	35
47	Greater root phosphatase activity of tropical trees at low phosphorus despite strong variation among species. Ecology, 2020, 101, e03090.	1.5	35
48	Shifts in symbiotic associations in plants capable of forming multiple root symbioses across a longâ€term soil chronosequence. Ecology and Evolution, 2016, 6, 2368-2377.	0.8	33
49	Soil abiotic and biotic properties constrain the establishment of a dominant temperate tree into boreal forests. Journal of Ecology, 2020, 108, 931-944.	1.9	33
50	High abundance of non-mycorrhizal plant species in severely phosphorus-impoverished Brazilian campos rupestres. Plant and Soil, 2018, 424, 255-271.	1.8	31
51	Temperate Forests Dominated by Arbuscular or Ectomycorrhizal Fungi Are Characterized by Strong Shifts from Saprotrophic to Mycorrhizal Fungi with Increasing Soil Depth. Microbial Ecology, 2021, 82, 377-390.	1.4	28
52	A shift from phenol to silicaâ€based leaf defences during longâ€term soil and ecosystem development. Ecology Letters, 2021, 24, 984-995.	3.0	27
53	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. Ecology, 2008, 89, 3232-3237.	1.5	25
54	High richness of ectomycorrhizal fungi and low host specificity in a coastal sand dune ecosystem revealed by network analysis. Ecology and Evolution, 2016, 6, 349-362.	0.8	21

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55	A long-term experimental test of the dynamic equilibrium model of species diversity. Oecologia, 2013, 171, 439-448.	0.9	20
56	Silicon Dynamics During 2 Million Years of Soil Development in a Coastal Dune Chronosequence Under a Mediterranean Climate. Ecosystems, 2020, 23, 1614-1630.	1.6	20
57	Toward more robust plantâ€“soil feedback research: Comment. Ecology, 2019, 100, e02590.	1.5	19
58	Phosphorusâ€•and nitrogenâ€•acquisition strategies in two Bossiaea species (Fabaceae) along retrogressive soil chronosequences in southâ€•western Australia. Physiologia Plantarum, 2018, 163, 323-343.	2.6	18
59	Plant beta-diversity across biomes captured by imaging spectroscopy. Nature Communications, 2022, 13, 2767.	5.8	18
60	Optimizing Hardwood Reforestation in Old Fields: The Effects of Treeshelters and Environmental Factors on Tree Seedling Growth and Physiology. Restoration Ecology, 2008, 16, 270-280.	1.4	17
61	Effects of fragmentation on the plant functional composition and diversity of remnant woodlands in a young and rapidly expanding city. Journal of Vegetation Science, 2018, 29, 285-296.	1.1	16
62	Mycorrhizal dominance reduces local tree species diversity across US forests. Nature Ecology and Evolution, 2022, 6, 370-374.	3.4	15
63	Spatiotemporal patterns in seedling emergence and early growth of two oak species direct-seeded on abandoned pastureland. Annals of Forest Science, 2008, 65, 407-407.	0.8	14
64	Nutrient limitation along the Jurien Bay dune chronosequence: response to Uren & Parsons (). Journal of Ecology, 2013, 101, 1088-1092.	1.9	14
65	Foliar Spectra and Traits of Bog Plants across Nitrogen Deposition Gradients. Remote Sensing, 2020, 12, 2448.	1.8	13
66	Comparison of Two Sampling Methods for Quantifying Changes in Vegetation Composition Under Rangeland Development. Rangeland Ecology and Management, 2010, 63, 537-545.	1.1	11
67	Foliar sampling with an unmanned aerial system (UAS) reveals spectral and functional trait differences within tree crowns. Canadian Journal of Forest Research, 2020, 50, 966-974.	0.8	11
68	Soil microbial communities are driven by the declining availability of cations and phosphorus during ecosystem retrogression. Soil Biology and Biochemistry, 2021, 163, 108430.	4.2	10
69	Symbiotic N2-Fixer Community Composition, but Not Diversity, Shifts in Nodules of a Single Host Legume Across a 2-Million-Year Dune Chronosequence. Microbial Ecology, 2018, 76, 1009-1020.	1.4	9
70	LAC CROCHE UNDERSTORY VEGETATION DATA SET (1998â€“2006). Ecology, 2007, 88, 3209-3209.	1.5	7
71	Estimating Litter Decomposition Rate in Single-Pool Models Using Nonlinear Beta Regression. PLoS ONE, 2012, 7, e45140.	1.1	7
72	Ectomycorrhizal Stands Accelerate Decomposition to a Greater Extent than Arbuscular Mycorrhizal Stands in a Northern Deciduous Forest. Ecosystems, 2022, 25, 1234-1248.	1.6	7

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73	Variations in accuracy of leaf functional trait prediction due to spectral mixing. Ecological Indicators, 2022, 136, 108687.	2.6	7
74	BII-Implementation: The causes and consequences of plant biodiversity across scales in a rapidly changing world. Research Ideas and Outcomes, 0, 7, .	1.0	5
75	Impact of ecosystem water balance and soil parent material on silicon dynamics: insights from three long-term chronosequences. Biogeochemistry, 2021, 156, 335-350.	1.7	4
76	A test of the Janzenâ€Connell hypothesis in a speciesâ€rich Mediterranean woodland. Ecosphere, 2021, 12, e03821.	1.0	3
77	Etienne LalibertÃ©. New Phytologist, 2017, 213, 1580-1581.	3.5	1