

# Vincent Maire

## 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.

34  
papers

2,959  
citations

22  
h-index

35  
g-index

35  
ext. papers

4,171  
ext. citations

7.7  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
34	Fungi mediate long term sequestration of carbon and nitrogen in soil through their priming effect. <i>Soil Biology and Biochemistry</i> , <b>2011</b> , 43, 86-96	7.5	433
33	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
32	Global climatic drivers of leaf size. <i>Science</i> , <b>2017</b> , 357, 917-921	33.3	334
31	Balancing the costs of carbon gain and water transport: testing a new theoretical framework for plant functional ecology. <i>Ecology Letters</i> , <b>2014</b> , 17, 82-91	10	220
30	Global ecosystem thresholds driven by aridity. <i>Science</i> , <b>2020</b> , 367, 787-790	33.3	192
29	Global effects of soil and climate on leaf photosynthetic traits and rates. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 706-717	6.1	179
28	Habitat filtering and niche differentiation jointly explain species relative abundance within grassland communities along fertility and disturbance gradients. <i>New Phytologist</i> , <b>2012</b> , 196, 497-509	9.8	168
27	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 1369-1394	10.2	117
26	Trade-off between root nitrogen acquisition and shoot nitrogen utilization across 13 co-occurring pasture grass species. <i>Functional Ecology</i> , <b>2009</b> , 23, 668-679	5.6	104
25	A test of the one-point method for estimating maximum carboxylation capacity from field-measured, light-saturated photosynthesis. <i>New Phytologist</i> , <b>2016</b> , 210, 1130-44	9.8	92
24	Testing the environmental filtering concept in global drylands. <i>Journal of Ecology</i> , <b>2017</b> , 105, 1058-1069	6	88
23	The coordination of leaf photosynthesis links C and N fluxes in C3 plant species. <i>PLoS ONE</i> , <b>2012</b> , 7, e38345	3.7	87
22	Global photosynthetic capacity is optimized to the environment. <i>Ecology Letters</i> , <b>2019</b> , 22, 506-517	10	80
21	Gemini: A grassland model simulating the role of plant traits for community dynamics and ecosystem functioning. Parameterization and evaluation. <i>Ecological Modelling</i> , <b>2012</b> , 231, 134-145	3	58
20	The role of plant traits and their plasticity in the response of pasture grasses to nutrients and cutting frequency. <i>Annals of Botany</i> , <b>2010</b> , 105, 957-65	4.1	46
19	Climate and soils together regulate photosynthetic carbon isotope discrimination within C3 plants worldwide. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1056-1067	6.1	45
18	Universality of priming effect: An analysis using thirty five soils with contrasted properties sampled from five continents. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 134, 162-171	7.5	39

17	Root penetration in deep soil layers stimulates mineralization of millennia-old organic carbon. <i>Soil Biology and Biochemistry</i> , <b>2018</b> , 124, 150-160	7.5	37
16	An unknown oxidative metabolism substantially contributes to soil CO <sub>2</sub> emissions. <i>Biogeosciences</i> , <b>2013</b> , 10, 1155-1167	4.6	37
15	Disentangling coordination among functional traits using an individual-centred model: impact on plant performance at intra- and inter-specific levels. <i>PLoS ONE</i> , <b>2013</b> , 8, e77372	3.7	34
14	Grass strategies and grassland community responses to environmental drivers: a review. <i>Agronomy for Sustainable Development</i> , <b>2015</b> , 35, 1297-1318	6.8	33
13	Ecological and economic benefits of low-intensity urban lawn management. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 436-446	5.8	22
12	Impacts of species interactions on grass community productivity under contrasting management regimes. <i>Oecologia</i> , <b>2012</b> , 168, 761-71	2.9	21
11	Effects of land-use change on productivity depend on small-scale plant species diversity. <i>Basic and Applied Ecology</i> , <b>2009</b> , 10, 687-696	3.2	17
10	Plasticity of plant form and function sustains productivity and dominance along environment and competition gradients. A modeling experiment with Gemini. <i>Ecological Modelling</i> , <b>2013</b> , 254, 80-91	3	15
9	Both selection and plasticity drive niche differentiation in experimental grasslands. <i>Nature Plants</i> , <b>2020</b> , 6, 28-33	11.5	15
8	Environmental drivers of soil phosphorus composition in natural ecosystems. <i>Biogeosciences</i> , <b>2018</b> , 15, 4575-4592	4.6	13
7	Functional rarity and evenness are key facets of biodiversity to boost multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	12
6	Estimation of Fungal Diversity and Identification of Major Abiotic Drivers Influencing Fungal Richness and Communities in Northern Temperate and Boreal Quebec Forests. <i>Forests</i> , <b>2019</b> , 10, 1096	2.8	9
5	When and where soil is important to modify the carbon and water economy of leaves. <i>New Phytologist</i> , <b>2020</b> , 228, 121-135	9.8	6
4	Dynamics of regulated YNPQ and non-regulated YNO energy dissipation in sunflower leaves exposed to sinusoidal lights. <i>Photosynthesis Research</i> , <b>2019</b> , 141, 315-330	3.7	4
3	Long-term consequences of goose exclusion on nutrient cycles and plant communities in the High-Arctic. <i>Polar Science</i> , <b>2021</b> , 27, 100631	2.3	2
2	Boreal Forest Multifunctionality Is Promoted by Low Soil Organic Matter Content and High Regional Bacterial Biodiversity in Northeastern Canada. <i>Forests</i> , <b>2020</b> , 11, 149	2.8	1
1	N/P Addition Is More Likely Than N Addition Alone to Promote a Transition from Moss-Dominated to Graminoid-Dominated Tundra in the High-Arctic. <i>Atmosphere</i> , <b>2022</b> , 13, 676	2.7	0