Marife D Corre

List of Publications by Citations

74	3,247	32	56
papers	citations	h-index	g-index
78	3,921	5.9	5.32
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
74	Potassium, phosphorus, or nitrogen limit root allocation, tree growth, or litter production in a lowland tropical forest. *Ecology*, **2011**, 92, 1616-25	4.6	379
73	Geographic bias of field observations of soil carbon stocks with tropical land-use changes precludes spatial extrapolation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 6318-22	11.5	190
72	A review of the ecosystem functions in oil palm plantations, using forests as a reference system. *Biological Reviews*, **2017**, 92, 1539-1569	13.5	145
71	Impact of elevated N input on soil N cycling and losses in old-growth lowland and montane forests in Panama. *Ecology*, **2010**, 91, 1715-29	4.6	126
70	Spatial and seasonal variation of gross nitrogen transformations and microbial biomass in a Northeastern US grassland. *Soil Biology and Biochemistry*, **2002**, 34, 445-457	7.5	123
69	Conversion of lowland tropical forests to tree cash crop plantations loses up to one-half of stored soil organic carbon. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9956-60	11.5	116
68	Land-use choices follow profitability at the expense of ecological functions in Indonesian smallholder landscapes. *Nature Communications*, **2016**, 7, 13137	17.4	116
67	Soil Nitrogen-Cycling Responses to Conversion of Lowland Forests to Oil Palm and Rubber Plantations in Sumatra, Indonesia. *PLoS ONE*, **2015**, 10, e0133325	3.7	109
66	Soil carbon stocks decrease following conversion of secondary forests to rubber (Hevea brasiliensis) plantations. *PLoS ONE*, **2013**, 8, e69357	3.7	107
65	SOIL NITROGEN CYCLE IN HIGH NITROGEN DEPOSITION FOREST: CHANGES UNDER NITROGEN SATURATION AND LIMING **2003**, 13, 287-298		107
64	Changes in nitrogen cycling and retention processes in soils under spruce forests along a nitrogen enrichment gradient in Germany. *Global Change Biology*, **2007**, 13, 1509-1527	11.4	106
63	Immediate and long-term nitrogen oxide emissions from tropical forest soils exposed to elevated nitrogen input. *Global Change Biology*, **2009**, 15, 2049-2066	11.4	97
62	Differing N status and N retention processes of soils under old-growth lowland forest in Eastern Amazonia, Caxiuan□Brazil. *Soil Biology and Biochemistry*, **2008**, 40, 740-750	7.5	79
61	Direct and cascading impacts of tropical land-use change on multi-trophic biodiversity. *Nature Ecology and Evolution*, **2017**, 1, 1511-1519	12.3	77
60	Impact of Lowland Rainforest Transformation on Diversity and Composition of Soil Prokaryotic Communities in Sumatra (Indonesia). *Frontiers in Microbiology*, **2015**, 6, 1339	5.7	62
59	Methane emissions from tank bromeliads in neotropical forests. *Nature Geoscience*, **2010**, 3, 766-769	18.3	62
58	Restoration of Ecosystem Carbon Stocks Following Exclosure Establishment in Communal Grazing Lands in Tigray, Ethiopia. *Soil Science Society of America Journal*, **2011**, 75, 246-256	2.5	57

57	REVERSAL OF NITROGEN SATURATION AFTER LONG-TERM DEPOSITION REDUCTION: IMPACT ON SOIL NITROGEN CYCLING. *Ecology*, **2004**, 85, 3090-3104	4.6	57
56	Cold storage and laboratory incubation of intact soil cores do not reflect in-situ nitrogen cycling rates of tropical forest soils. *Soil Biology and Biochemistry*, **2008**, 40, 2480-2483	7.5	56
55	Responses of nitrous oxide fluxes and soil nitrogen cycling to nutrient additions in montane forests along an elevation gradient in southern Ecuador. *Biogeochemistry*, **2013**, 112, 625-636	3.8	53
54	Trade-offs between multifunctionality and profit in tropical smallholder landscapes. *Nature Communications*, **2020**, 11, 1186	17.4	52
53	Response of N cycling to nutrient inputs in forest soils across a 1000-3000 m elevation gradient in the Ecuadorian Andes. *Ecology*, **2015**, 96, 749-61	4.6	51
52	An in-depth look into a tropical lowland forest soil: nitrogen-addition effects on the contents of N2O, CO2 and CH4 and N2O isotopic signatures down to 2-m depth. *Biogeochemistry*, **2012**, 111, 695-713	3.8	48
51	Deforestation and reforestation impacts on soils in the tropics. *Nature Reviews Earth & Environment* , **2020**, 1, 590-605	30.2	46
50	Early effect of elevated nitrogen input on above-ground net primary production of a lower montane rain forest, Panama. *Journal of Tropical Ecology*, **2009**, 25, 637-647	1.3	43
49	Soil Nitrogen Cycling following Montane Forest Conversion in Central Sulawesi, Indonesia. *Soil Science Society of America Journal*, **2006**, 70, 359-366	2.5	43
48	Plant□soil associations in a lower montane tropical forest: physiological acclimation and herbivore-mediated responses to nitrogen addition. *Functional Ecology*, **2010**, 24, 1171-1180	5.6	36
47	Spatial variability surpasses land-use change effects on soil biochemical properties of converted lowland landscapes in Sumatra, Indonesia. *Geoderma*, **2016**, 284, 42-50	6.7	36
46	Soil N cycling in old-growth forests across an Andosol toposequence in Ecuador. *Forest Ecology and Management*, **2009**, 257, 2079-2087	3.9	35
45	Reducing Fertilizer and Avoiding Herbicides in Oil Palm Plantations□Ecological and Economic Valuations. *Frontiers in Forests and Global Change*, **2019**, 2,	3.7	34
44	Soil redistribution by terracing alleviates soil organic carbon losses caused by forest conversion to rubber plantation. *Forest Ecology and Management*, **2014**, 313, 26-33	3.9	34
43	Land use change effects on trace gas fluxes in the forest margins of Central Sulawesi, Indonesia. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		34
42	Free-living nitrogen fixation responds to elevated nutrient inputs in tropical montane forest floor and canopy soils of southern Ecuador. *Biogeochemistry*, **2015**, 122, 281-294	3.8	32
41	Tree species diversity effects on productivity, soil nutrient availability and nutrient response efficiency in a temperate deciduous forest. *Forest Ecology and Management*, **2015**, 338, 114-123	3.9	32
40	Nitrogen-oxide emissions from tropical forest soils exposed to elevated nitrogen input strongly interact with rainfall quantity and seasonality. *Biogeochemistry*, **2014**, 118, 103-120	3.8	31

39	Measured greenhouse gas budgets challenge emission savings from palm-oil biodiesel. *Nature Communications*, **2020**, 11, 1089	17.4	30
38	Asymbiotic biological nitrogen fixation in a temperate grassland as affected by management practices. *Soil Biology and Biochemistry*, **2014**, 70, 38-46	7.5	29
37	Nitrogen cycling in canopy soils of tropical montane forests responds rapidly to indirect N and P fertilization. *Global Change Biology*, **2014**, 20, 3802-13	11.4	28
36	Soil nitrogen oxide fluxes from lowland forests converted to smallholder rubber and oil palm plantations in Sumatra, Indonesia. *Biogeosciences*, **2017**, 14, 2781-2798	4.6	27
35	Simulated drought reduces soil CO2 efflux and production in a tropical forest in Sulawesi, Indonesia. *Ecosphere*, **2011**, 2, art119	3.1	27
34	Degradation of Root Community Traits as Indicator for Transformation of Tropical Lowland Rain Forests into Oil Palm and Rubber Plantations. *PLoS ONE*, **2015**, 10, e0138077	3.7	25
33	Soil N2O fluxes along an elevation gradient of tropical montane forests under experimental nitrogen and phosphorus addition. *Frontiers in Earth Science*, **2015**, 3,	3.5	23
32	Disentangling gross NO production and consumption in soil. *Scientific Reports*, **2016**, 6, 36517	4.9	23
31	Variability of soil N cycling and N2O emission in a mixed deciduous forest with different abundance of beech. *Plant and Soil*, **2010**, 336, 25-38	4.2	21
30	Conversion of monoculture cropland and open grassland to agroforestry alters the abundance of soil bacteria, fungi and soil-N-cycling genes. *PLoS ONE*, **2019**, 14, e0218779	3.7	19
29	Conversion of tropical forests to smallholder rubber and oil palm plantations impacts nutrient leaching losses and nutrient retention efficiency in highly weathered soils. *Biogeosciences*, **2018**, 15, 5131-5154	4.6	19
28	Nitrous oxide emissions from stems of alder, beech and spruce in a temperate forest. *Plant and Soil*, **2017**, 420, 423-434	4.2	17
27	Nitrogen response efficiency of a managed and phytodiverse temperate grassland. *Plant and Soil*, **2013**, 364, 193-206	4.2	14
26	Poplar Rows in Temperate Agroforestry Croplands Promote Bacteria, Fungi, and Denitrification Genes in Soils. *Frontiers in Microbiology*, **2019**, 10, 3108	5.7	12
25	Responses of fine roots to experimental nitrogen addition in a tropical lower montane rain forest, Panama. *Journal of Tropical Ecology*, **2011**, 27, 73-81	1.3	12
24	Gross N 2 O emission and gross N 2 O uptake in soils under temperate spruce and beech forests. *Soil Biology and Biochemistry*, **2017**, 112, 228-236	7.5	10
23	Patterns in Soil Chemical Weathering Related to Topographic Gradients and Vegetation Structure in a High Andean Tropical Ecosystem. *Journal of Geophysical Research F: Earth Surface*, **2019**, 124, 666-685	3.8	10
22	Soil trace gas fluxes along orthogonal precipitation and soil fertility gradients in tropical lowland forests of Panama. *Biogeosciences*, **2017**, 14, 3509-3524	4.6	10

21	Nitrogen retention efficiency and nitrogen losses of a managed and phytodiverse temperate grassland. *Basic and Applied Ecology*, **2014**, 15, 207-218	3.2	9
20	Changes in soil organic carbon and nutrient stocks in conventional selective logging versus reduced-impact logging in rainforests on highly weathered soils in Southern Cameroon. *Forest Ecology and Management*, **2019**, 451, 117522	3.9	8
19	Impacts of burning on soil trace gas fluxes in two wooded savanna sites in Burkina Faso. *Journal of Arid Environments*, **2019**, 165, 132-140	2.5	7
18	Soil greenhouse gas fluxes following conventional selective and reduced-impact logging in a Congo Basin rainforest. *Biogeochemistry*, **2020**, 151, 153-170	3.8	7
17	Tree-microbial biomass competition for nutrients in a temperate deciduous forest, central Germany. *Plant and Soil*, **2016**, 408, 227-242	4.2	7
16	Variation in Canopy Litterfall Along a Precipitation and Soil Fertility Gradient in a Panamanian Lower Montane Forest. *Biotropica*, **2015**, 47, 300-309	2.3	6
15	Canopy soil of oil palm plantations emits methane and nitrous oxide. *Soil Biology and Biochemistry*, **2018**, 122, 1-6	7.5	5
14	Canopy soil greenhouse gas dynamics in response to indirect fertilization across an elevation gradient of tropical montane forests. *Biotropica*, **2017**, 49, 153-159	2.3	4
13	Stem and soil nitrous oxide fluxes from rainforest and cacao agroforest on highly weathered soils in the Congo Basin. *Biogeosciences*, **2020**, 17, 5377-5397	4.6	4
12	Herbicide weed control increases nutrient leaching compared to mechanical weeding in a large-scale oil palm plantation. *Biogeosciences*, **2020**, 17, 5243-5262	4.6	3
11	Mulching with pruned fronds promotes the internal soil N cycling and soil fertility in a large-scale oil palm plantation. *Biogeochemistry*, **2021**, 154, 63-80	3.8	3
10	Nutrient saturation of crop monocultures and agroforestry indicated by nutrient response efficiency. *Nutrient Cycling in Agroecosystems*, **2021**, 119, 69-82	3.3	3
9	Spatial variability in soil organic carbon in a tropical montane landscape: associations between soil organic carbon and land use, soil properties, vegetation, and topography vary across plot to landscape scales. *Soil*, **2017**, 3, 123-137	5.8	2
8	Carbon Changes Following the Establishment of Exclosure on Communal Grazing Lands in the Semi-Arid Lowlands of Tigray, Ethiopia. *Climate Change Management*, **2011**, 111-131	0.6	2
7	Responses of tree growth and biomass production to nutrient addition in a semi-deciduous tropical forest in Africa.. *Ecology*, **2022**, e3659	4.6	1
6	Using a Bottom-Up Approach to Scale Leaf Photosynthetic Traits of Oil Palm, Rubber, and Two Coexisting Tropical Woody Species. *Forests*, **2021**, 12, 359	2.8	1
5	Observation-based implementation of ecophysiological processes for a rubber plant functional type in the community land model (CLM4.5-rubber_v1) **2018**,		1
4	Nitrogen and Phosphorus Control Soil Methane Uptake in Tropical Montane Forests. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG005970	3.7	1

3	Substantial Stem Methane Emissions From Rainforest and Cacao Agroforest Partly Negate Soil Uptake in the Congo Basin. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006312	3.7	1
2	Implementing a New Rubber Plant Functional Type in the Community Land Model (CLM5) Improves Accuracy of Carbon and Water Flux Estimation. *Land*, **2022**, 11, 183	3.5	0
1	Partial Nutrient Budget from Lowland Forests Converted to Oil Palm and Rubber Plantations in Sumatra, Indonesia **2017**, 273-285		