

Marijn Bouters

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,954
citations

361413

20
h-index

197818

49
g-index

64
all docs

64
docs citations

64
times ranked

6238
citing authors

#	ARTICLE	IF	CITATIONS
1	Global maps and factors driving forest foliar elemental composition: the importance of evolutionary history. <i>New Phytologist</i> , 2022, 233, 169-181.	7.3	15
2	Fluvial sediment export from pristine forested headwater catchments in the Congo Basin. <i>Geomorphology</i> , 2022, 398, 108046.	2.6	6
3	Low N ₂ O and variable CH ₄ fluxes from tropical forest soils of the Congo Basin. <i>Nature Communications</i> , 2022, 13, 330.	12.8	17
4	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	9.5	113
5	Tropical wood stores substantial amounts of nutrients, but we have limited understanding why. <i>Biotropica</i> , 2022, 54, 596-606.	1.6	8
6	Shade tree canopy cover affects coffee plant traits across elevations in coffee farms in southwest Ethiopia. <i>Nordic Journal of Botany</i> , 2022, 2022, .	0.5	4
7	Conservative N cycling despite high atmospheric deposition in early successional African tropical lowland forests. <i>Plant and Soil</i> , 2022, 477, 743-758.	3.7	1
8	Aboveground carbon stocks, woody and litter productivity along an elevational gradient in the Rwenzori Mountains, Uganda. <i>Biotropica</i> , 2022, 54, 906-920.	1.6	6
9	Increasing calcium scarcity along Afrotropical forest succession. <i>Nature Ecology and Evolution</i> , 2022, 6, 1122-1131.	7.8	19
10	Soil Nutrient Depletion and Tree Functional Composition Shift Following Repeated Clearing in Secondary Forests of the Congo Basin. <i>Ecosystems</i> , 2021, 24, 1422-1435.	3.4	10
11	High photosynthetic capacity of Sahelian C ₃ and C ₄ plants. <i>Photosynthesis Research</i> , 2021, 147, 161-175.	2.9	12
12	Ideas and perspectives: patterns of soil CO ₂ , CH ₄ , and N ₂ O fluxes along an altitudinal gradient – a pilot study from an Ecuadorian neotropical montane forest. <i>Biogeosciences</i> , 2021, 18, 413-421.	3.3	4
13	Nitrate source apportionment in the complex Nyando tropical river basin in Kenya. <i>Journal of Hydrology</i> , 2021, 594, 125926.	5.4	14
14	Stable isotope signatures of soil nitrogen on an environmental – geomorphic gradient within the Congo Basin. <i>Soil</i> , 2021, 7, 83-94.	4.9	9
15	In-depth analysis of N ₂ O fluxes in tropical forest soils of the Congo Basin combining isotope and functional gene analysis. <i>ISME Journal</i> , 2021, 15, 3357-3374.	9.8	24
16	sPlotOpen – An environmentally balanced, open access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , 2021, 30, 1740-1764.	5.8	49
17	Lianas and trees exhibit divergent intrinsic water-use efficiency along elevational gradients in South American and African tropical forests. <i>Global Ecology and Biogeography</i> , 2021, 30, 2259-2272.	5.8	7
18	Fire-derived phosphorus fertilization of African tropical forests. <i>Nature Communications</i> , 2021, 12, 5129.	12.8	10

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19	High aboveground carbon stock of African tropical montane forests. <i>Nature</i> , 2021, 596, 536-542.	27.8	65
20	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.	4.1	71
21	Organic matter cycling along geochemical, geomorphic, and disturbance gradients in forest and cropland of the African Tropics " project TropSOC database version 1.0. <i>Earth System Science Data</i> , 2021, 13, 4133-4153.	9.9	13
22	Mapping Canopy Heights in Dense Tropical Forests Using Low-Cost UAV-Derived Photogrammetric Point Clouds and Machine Learning Approaches. <i>Remote Sensing</i> , 2021, 13, 3777.	4.0	11
23	Afrotropical secondary forests exhibit fast diversity and functional recovery, but slow compositional and carbon recovery after shifting cultivation. <i>Journal of Vegetation Science</i> , 2021, 32, e13071.	2.2	9
24	The central African soil spectral library: a new soil infrared repository and a geographical prediction analysis. <i>Soil</i> , 2021, 7, 693-715.	4.9	15
25	The Global Soil Mycobiome consortium dataset for boosting fungal diversity research. <i>Fungal Diversity</i> , 2021, 111, 573-588.	12.3	42
26	TRY plant trait database " enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
27	Poverty and climate change challenges for sustainable intensification of cocoa systems. <i>Current Opinion in Environmental Sustainability</i> , 2020, 47, 106-111.	6.3	15
28	Century-long apparent decrease in intrinsic water-use efficiency with no evidence of progressive nutrient limitation in African tropical forests. <i>Global Change Biology</i> , 2020, 26, 4449-4461.	9.5	20
29	Atmospheric deposition of elements and its relevance for nutrient budgets of tropical forests. <i>Biogeochemistry</i> , 2020, 149, 175-193.	3.5	35
30	Liana communities exhibit different species composition, diversity and community structure across forest types in the Congo Basin. <i>Biotropica</i> , 2020, 52, 651-663.	1.6	3
31	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020, 26, 6616-6629.	9.5	122
32	Seasonality, drivers, and isotopic composition of soil CO ₂ fluxes from tropical forests of the Congo Basin. <i>Biogeosciences</i> , 2020, 17, 6207-6218.	3.3	6
33	Influence of plant growth form, habitat and season on leaf-wax n-alkane hydrogen-isotopic signatures in equatorial East Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 263, 122-139.	3.9	23
34	Influence of Plant Growth form, Habitat and Season on Leaf-Wax N-Alkane Hydrogen-Isotopic Signatures in Equatorial East Africa. , 2019, , .		0
35	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , 2019, 12, 541-546.	12.9	97
36	Long-term recovery of the functional community assembly and carbon pools in an African tropical forest succession. <i>Biotropica</i> , 2019, 51, 319-329.	1.6	23

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37	Large-sized rare tree species contribute disproportionately to functional diversity in resource acquisition in African tropical forest. <i>Ecology and Evolution</i> , 2019, 9, 4349-4361.	1.9	13
38	Time for a Plant Structural Economics Spectrum. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	47
39	Contrasting nitrogen fluxes in African tropical forests of the Congo Basin. <i>Ecological Monographs</i> , 2019, 89, e01342.	5.4	39
40	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	8.0	177
41	High fire-derived nitrogen deposition on central African forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 549-554.	7.1	46
42	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	7.8	397
43	Isotopic evidence for oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2018, 2, 1735-1744.	7.8	138
44	Testing a general approach to assess the degree of disturbance in tropical forests. <i>Journal of Vegetation Science</i> , 2017, 28, 659-668.	2.2	11
45	Functional Composition of Tree Communities Changed Topsoil Properties in an Old Experimental Tropical Plantation. <i>Ecosystems</i> , 2017, 20, 861-871.	3.4	15
46	Parallel functional and stoichiometric trait shifts in South American and African forest communities with elevation. <i>Biogeosciences</i> , 2017, 14, 5313-5321.	3.3	15
47	Facultative nitrogen fixation by legumes in the central Congo basin is downregulated during late successional stages. <i>Biotropica</i> , 2016, 48, 281-284.	1.6	33
48	Leaky nitrogen cycle in pristine African montane rainforest soil. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1754-1762.	4.9	15
49	Functional identity explains carbon sequestration in a 77-year-old experimental tropical plantation. <i>Ecosphere</i> , 2015, 6, art198.	2.2	15
50	Aboveground vs. Belowground Carbon Stocks in African Tropical Lowland Rainforest: Drivers and Implications. <i>PLoS ONE</i> , 2015, 10, e0143209.	2.5	25
51	CongoFlux – The First Eddy Covariance Flux Tower in the Congo Basin. <i>Frontiers in Soil Science</i> , 0, 2, .	2.2	1
52	Substantial Organic and Particulate Nitrogen and Phosphorus Export from Geomorphologically Stable African Tropical Forest Landscapes. <i>Ecosystems</i> , 0, , .	3.4	0