

# Pascal Boeckx

## List of Publications by Year in descending order

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Version: 2024-02-01

339  
papers

18,361  
citations

17405

63  
h-index

19690

117  
g-index

342  
all docs

342  
docs citations

342  
times ranked

22058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluvial sediment export from pristine forested headwater catchments in the Congo Basin. <i>Geomorphology</i> , 2022, 398, 108046.	1.1	6
2	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , 2022, 270, 112845.	4.6	108
3	Observing the water handling in humans to resolve the role of the interstitium: preliminary results of the usability of deuterium oxide and bio-impedance analysis – a pilot analysis. <i>Isotopes in Environmental and Health Studies</i> , 2022, 58, 99-110.	0.5	0
4	Low N <sub>2</sub> O and variable CH <sub>4</sub> fluxes from tropical forest soils of the Congo Basin. <i>Nature Communications</i> , 2022, 13, 330.	5.8	17
5	Greenhouse gas dynamics in an urbanized river system: influence of water quality and land use. <i>Environmental Science and Pollution Research</i> , 2022, 29, 37277-37290.	2.7	11
6	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	4.2	113
7	Predicting Soil Organic Carbon Mineralization Rates Using $\delta^{13}\text{C}$ , Assessed by Near-Infrared Spectroscopy, in Depth Profiles Under Permanent Grassland Along a Latitudinal Transect in Chile. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2105-2117.	1.7	2
8	Isotopically characterised N <sub>2</sub> O reference materials for use as community standards. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9296.	0.7	5
9	Patterns of free amino acids in tundra soils reflect mycorrhizal type, shrubification, and warming. <i>Mycorrhiza</i> , 2022, 32, 305-313.	1.3	2
10	Identification of sources and transformations of nitrate in Cr(VI)-impacted alluvial aquifers by a hydrogeochemical and $\delta^{15}\text{N-NO}_3^-$ and $\delta^{18}\text{O-NO}_3^-$ isotopes approach. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	2.7	1
11	Effect of growing conditions and postharvest processing on arabica coffee bean physical quality features and defects. <i>Heliyon</i> , 2022, 8, e09201.	1.4	7
12	Shade tree canopy cover affects coffee plant traits across elevations in coffee farms in southwest Ethiopia. <i>Nordic Journal of Botany</i> , 2022, 2022, .	0.2	4
13	Conservative N cycling despite high atmospheric deposition in early successional African tropical lowland forests. <i>Plant and Soil</i> , 2022, 477, 743-758.	1.8	1
14	Aboveground carbon stocks, woody and litter productivity along an elevational gradient in the Rwenzori Mountains, Uganda. <i>Biotropica</i> , 2022, 54, 906-920.	0.8	6
15	Increasing calcium scarcity along Afrotropical forest succession. <i>Nature Ecology and Evolution</i> , 2022, 6, 1122-1131.	3.4	19
16	Determination of polyhydroxybutyrate assimilation by postlarval whiteleg shrimp, <i>Litopenaeus vannamei</i> using stable $^{13}\text{C}$ isotope tracing. <i>Journal of the World Aquaculture Society</i> , 2021, 52, 184-194.	1.2	4
17	Contribution of above- versus belowground C inputs of maize to soil organic carbon: Conclusions from a $^{13}\text{C}/^{12}\text{C}$ -resolved resampling campaign of Belgian croplands after two decades. <i>Geoderma</i> , 2021, 383, 114727.	2.3	15
18	Nitrogen transformation and pathways in the shallow groundwater-soil system within agricultural landscapes. <i>Environmental Geochemistry and Health</i> , 2021, 43, 441-459.	1.8	19

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19	Identifying the sources of nitrate contamination using a combined dual isotope, chemical and Bayesian model approach in a tropical agricultural river: Case study in the Mun River, Thailand. <i>Science of the Total Environment</i> , 2021, 760, 143938.	3.9	52
20	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.	1.6	10
21	High photosynthetic capacity of Sahelian C3 and C4 plants. <i>Photosynthesis Research</i> , 2021, 147, 161-175.	1.6	12
22	Ideas and perspectives: patterns of soil CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O fluxes along an altitudinal gradient – a pilot study from an Ecuadorian neotropical montane forest. <i>Biogeosciences</i> , 2021, 18, 413-421.	1.3	4
23	Global patterns of nitrate isotope composition in rivers and adjacent aquifers reveal reactive nitrogen cascading. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	56
24	Nitrate source apportionment in the complex Nyando tropical river basin in Kenya. <i>Journal of Hydrology</i> , 2021, 594, 125926.	2.3	14
25	Stable isotope signatures of soil nitrogen on an environmental – geomorphic gradient within the Congo Basin. <i>Soil</i> , 2021, 7, 83-94.	2.2	9
26	Spatiotemporal hydro-chemical and isotopic dataset of the tropical Nyando river basin in Kenya. <i>Data in Brief</i> , 2021, 35, 106787.	0.5	0
27	Efflux and assimilation of xylem – transported <sup>13</sup> C <sub>2</sub> in stems and leaves of tree species with different wood anatomy. <i>Plant, Cell and Environment</i> , 2021, 44, 3494-3508.	2.8	14
28	Spatial and temporal variations of greenhouse gas emissions from a waste stabilization pond: Effects of sludge distribution and accumulation. <i>Water Research</i> , 2021, 193, 116858.	5.3	12
29	Physico-chemical soil attributes under conservation agriculture and integrated soil fertility management. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 145.	1.1	6
30	Resistance of African tropical forests to an extreme climate anomaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	37
31	In-depth analysis of N <sub>2</sub> O fluxes in tropical forest soils of the Congo Basin combining isotope and functional gene analysis. <i>ISME Journal</i> , 2021, 15, 3357-3374.	4.4	24
32	Near-infrared spectroscopy: Alternative method for assessment of stable carbon isotopes in various soil profiles in Chile. <i>Geoderma Regional</i> , 2021, 25, e00397.	0.9	3
33	Legacy of historic land cover changes on sediment provenance tracked with isotopic tracers in a Mediterranean agroforestry catchment. <i>Journal of Environmental Management</i> , 2021, 288, 112291.	3.8	19
34	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.	2.7	7
35	Fire-derived phosphorus fertilization of African tropical forests. <i>Nature Communications</i> , 2021, 12, 5129.	5.8	10
36	Experimental approach to assess fertilizer nitrogen use, distribution, and loss in pear fruit trees. <i>Plant Physiology and Biochemistry</i> , 2021, 165, 207-216.	2.8	12

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37	High aboveground carbon stock of African tropical montane forests. <i>Nature</i> , 2021, 596, 536-542.	13.7	65
38	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.	3.7	13
39	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.	1.8	11
40	Effect of organic carbon addition on paddy soil organic carbon decomposition under different irrigation regimes. <i>Biogeosciences</i> , 2021, 18, 5035-5051.	1.3	4
41	Soil erosion and sediment transport in Tanzania: Part II – sedimentological evidence of phased land degradation. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 3112-3126.	1.2	7
42	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.	1.1	9
43	Visual soil examination and evaluation in the sub-humid and semi-arid regions of Kenya. <i>Soil and Tillage Research</i> , 2021, 213, 105135.	2.6	7
44	Soil erosion and sediment transport in Tanzania: Part I – sediment source tracing in three neighbouring river catchments. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 3096-3111.	1.2	10
45	Control of paddy soil redox condition on gross and net ammonium fixation and defixation. <i>Geoderma</i> , 2021, 400, 115151.	2.3	4
46	Do maize roots and shoots have different degradability under field conditions? – A field study of 13C resolved CO <sub>2</sub> emissions. <i>Agriculture, Ecosystems and Environment</i> , 2021, 319, 107504.	2.5	1
47	The central African soil spectral library: a new soil infrared repository and a geographical prediction analysis. <i>Soil</i> , 2021, 7, 693-715.	2.2	15
48	The effects of clean energy production and urbanization on sources and transformation processes of nitrate in a subtropical river system: Insights from the dual isotopes of nitrate and Bayesian model. <i>Journal of Cleaner Production</i> , 2021, 325, 129317.	4.6	17
49	Accumulation of legacy fallout radionuclides in cryoconite on Isfallsglaciären (Arctic Sweden) and their downstream spatial distribution. <i>Cryosphere</i> , 2021, 15, 5151-5168.	1.5	10
50	Regulation of nitrogen fixation from free-living organisms in soil and leaf litter of two tropical forests of the Guiana shield. <i>Plant and Soil</i> , 2020, 450, 93-110.	1.8	23
51	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
52	Water isotope ecohydrology of Mount Kilimanjaro. <i>Ecohydrology</i> , 2020, 13, e2171.	1.1	20
53	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , 2020, 29, 1799-1816.	2.7	31
54	Sediment source fingerprinting: benchmarking recent outputs, remaining challenges and emerging themes. <i>Journal of Soils and Sediments</i> , 2020, 20, 4160-4193.	1.5	124

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55	Poverty and climate change challenges for sustainable intensification of cocoa systems. <i>Current Opinion in Environmental Sustainability</i> , 2020, 47, 106-111.	3.1	15
56	Tree species diversity improves beech growth and alters its physiological response to drought. <i>Trees - Structure and Function</i> , 2020, 34, 1059-1073.	0.9	7
57	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.	4.2	20
58	Atmospheric deposition of elements and its relevance for nutrient budgets of tropical forests. <i>Biogeochemistry</i> , 2020, 149, 175-193.	1.7	35
59	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020, 368, 869-874.	6.0	198
60	Maize production under combined Conservation Agriculture and Integrated Soil Fertility Management in the sub-humid and semi-arid regions of Kenya. <i>Field Crops Research</i> , 2020, 254, 107833.	2.3	28
61	Microbial Protein out of Thin Air: Fixation of Nitrogen Gas by an Autotrophic Hydrogen-Oxidizing Bacterial Enrichment. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3609-3617.	4.6	35
62	Tracking Sources and Fate of Groundwater Nitrate in Kisumu City and Kano Plains, Kenya. <i>Water (Switzerland)</i> , 2020, 12, 401.	1.2	7
63	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020, 579, 80-87.	13.7	439
64	Land use controls Kenyan riverine nitrate discharge into Lake Victoria – evidence from Nyando, Nzoia and Sondu Miriu river catchments. <i>Isotopes in Environmental and Health Studies</i> , 2020, 56, 170-192.	0.5	10
65	Determining tributary sources of increased sedimentation in East-African Rift Lakes. <i>Science of the Total Environment</i> , 2020, 717, 137266.	3.9	36
66	Sensitivity of source apportionment predicted by a Bayesian tracer mixing model to the inclusion of a sediment connectivity index as an informative prior: Illustration using the Kharka catchment (Nepal). <i>Science of the Total Environment</i> , 2020, 713, 136703.	3.9	20
67	Liana communities exhibit different species composition, diversity and community structure across forest types in the Congo Basin. <i>Biotropica</i> , 2020, 52, 651-663.	0.8	3
68	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020, 26, 6616-6629.	4.2	122
69	Catchment-wide variations and biogeochemical time lags in soil fatty acid carbon isotope composition for different land uses: Implications for sediment source classification. <i>Organic Geochemistry</i> , 2020, 146, 104048.	0.9	11
70	Causes and consequences of pronounced variation in the isotope composition of plant xylem water. <i>Biogeosciences</i> , 2020, 17, 4853-4870.	1.3	33
71	Seasonality, drivers, and isotopic composition of soil CO <sub>2</sub> fluxes from tropical forests of the Congo Basin. <i>Biogeosciences</i> , 2020, 17, 6207-6218.	1.3	6
72	CHLSOC: the Chilean Soil Organic Carbon database, a multi-institutional collaborative effort. <i>Earth System Science Data</i> , 2020, 12, 457-468.	3.7	16

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73	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.	1.6	23
74	Reply to: Data do not support large-scale oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2019, 3, 1287-1288.	3.4	4
75	Larger direct than indirect effects of multiple environmental changes on leaf nitrogen of forest herbs. <i>Plant and Soil</i> , 2019, 445, 199-216.	1.8	9
76	Isotope fractionation during root water uptake by <i>Acacia caven</i> is enhanced by arbuscular mycorrhizas. <i>Plant and Soil</i> , 2019, 441, 485-497.	1.8	87
77	Drivers of increased soil erosion in East Africa's agro-pastoral systems: changing interactions between the social, economic and natural domains. <i>Regional Environmental Change</i> , 2019, 19, 1909-1921.	1.4	62
78	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , 2019, 12, 541-546.	5.4	97
79	Asynchronous leaf and cambial phenology in a tree species of the Congo Basin requires space-time conversion of wood traits. <i>Annals of Botany</i> , 2019, 124, 245-253.	1.4	7
80	Long-term recovery of the functional community assembly and carbon pools in an African tropical forest succession. <i>Biotropica</i> , 2019, 51, 319-329.	0.8	23
81	Differentiating the geographical origin of Ethiopian coffee using XRF- and ICP-based multi-element and stable isotope profiling. <i>Food Chemistry</i> , 2019, 290, 295-307.	4.2	36
82	Hydraulic redistribution of foliar absorbed water causes turgor-driven growth in mangrove seedlings. <i>Plant, Cell and Environment</i> , 2019, 42, 2437-2447.	2.8	43
83	Local soil characteristics determine the microbial communities under forest understorey plants along a latitudinal gradient. <i>Basic and Applied Ecology</i> , 2019, 36, 34-44.	1.2	10
84	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.	0.8	13
85	Isotope ratio laser spectroscopy to disentangle xylem-transported from locally respired CO <sub>2</sub> in stem CO <sub>2</sub> efflux. <i>Tree Physiology</i> , 2019, 39, 819-830.	1.4	14
86	Maize root-derived C in soil and the role of physical protection on its relative stability over shoot-derived C. <i>European Journal of Soil Science</i> , 2019, 70, 935-946.	1.8	13
87	Contrasting nitrogen fluxes in African tropical forests of the Congo Basin. <i>Ecological Monographs</i> , 2019, 89, e01342.	2.4	39
88	Disentangling how management affects biomass stock and productivity of tropical secondary forests fallows. <i>Science of the Total Environment</i> , 2019, 659, 101-114.	3.9	13
89	Can SOC modelling be improved by accounting for pedogenesis?. <i>Geoderma</i> , 2019, 338, 513-524.	2.3	10
90	Isotope mixing models require individual isotopic tracer content for correct quantification of sediment source contributions. <i>Hydrological Processes</i> , 2018, 32, 981-989.	1.1	21

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91	Impact of irrigation management on paddy soil N supply and depth distribution of abiotic drivers. <i>Agriculture, Ecosystems and Environment</i> , 2018, 261, 12-24.	2.5	25
92	Link between paddy soil mineral nitrogen release and iron and manganese reduction examined in a rice pot growth experiment. <i>Geoderma</i> , 2018, 326, 9-21.	2.3	21
93	Phylogenetic classification of the world's tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1837-1842.	3.3	144
94	Isotope Fractionation in Biogas Allows Direct Microbial Community Stability Monitoring in Anaerobic Digestion. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6704-6713.	4.6	19
95	Climate driven trends in tree biomass increment show asynchronous dependence on tree-ring width and wood density variation. <i>Dendrochronologia</i> , 2018, 48, 40-51.	1.0	13
96	Plant and soil microbe responses to light, warming and nitrogen addition in a temperate forest. <i>Functional Ecology</i> , 2018, 32, 1293-1303.	1.7	38
97	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.	3.3	46
98	Isotopic methods for non-destructive assessment of carbon dynamics in shrublands under long-term climate change manipulation. <i>Methods in Ecology and Evolution</i> , 2018, 9, 866-880.	2.2	6
99	Reconciling biodiversity and carbon stock conservation in an Afrotropical forest landscape. <i>Science Advances</i> , 2018, 4, eaar6603.	4.7	40
100	Constraints for future cocoa production in Ghana. <i>Agroforestry Systems</i> , 2018, 92, 1373-1385.	0.9	24
101	Altered microbial communities and nitrogen availability in temperate forest edges. <i>Soil Biology and Biochemistry</i> , 2018, 116, 179-188.	4.2	18
102	Driving Factors Behind Litter Decomposition and Nutrient Release at Temperate Forest Edges. <i>Ecosystems</i> , 2018, 21, 755-771.	1.6	13
103	Effect of altitude on biochemical composition and quality of green arabica coffee beans can be affected by shade and postharvest processing method. <i>Food Research International</i> , 2018, 105, 278-285.	2.9	91
104	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 1366-1383.	2.7	78
105	Soil erosion in East Africa: an interdisciplinary approach to realising pastoral land management change. <i>Environmental Research Letters</i> , 2018, 13, 124014.	2.2	58
106	Isotopic evidence for oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2018, 2, 1735-1744.	3.4	138
107	Inter-laboratory comparison of cryogenic water extraction systems for stable isotope analysis of soil water. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3619-3637.	1.9	92
108	A deconvolutional Bayesian mixing model approach for river basin sediment source apportionment. <i>Scientific Reports</i> , 2018, 8, 13073.	1.6	57

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109	Soil microbial CNP and respiration responses to organic matter and nutrient additions: Evidence from a tropical soil incubation. <i>Soil Biology and Biochemistry</i> , 2018, 122, 141-149.	4.2	62
110	Liana and tree below-ground water competition—evidence for water resource partitioning during the dry season. <i>Tree Physiology</i> , 2018, 38, 1071-1083.	1.4	58
111	Stomatal Behavior of Cowpea Genotypes Grown Under Varying Moisture Levels. <i>Sustainability</i> , 2018, 10, 12.	1.6	27
112	Community managed forests dominate the catchment sediment cascade in the mid-hills of Nepal: A compound-specific stable isotope analysis. <i>Science of the Total Environment</i> , 2018, 637-638, 306-317.	3.9	30
113	The Younger Dryas and Preboreal landscape in the Moervaart area (northwestern Belgium) and the apparent decrease in human occupation. <i>Vegetation History and Archaeobotany</i> , 2018, 27, 697-715.	1.0	8
114	Screening Cowpea Genotypes for High Biological Nitrogen Fixation and Grain Yield under Drought Conditions. <i>Agronomy Journal</i> , 2018, 110, 1925-1935.	0.9	8
115	Unraveling the genetic background of the Yangambi Research Center cacao germplasm collection, DR Congo. <i>Tree Genetics and Genomes</i> , 2018, 14, 1.	0.6	4
116	Influence of land use on distribution of soil n-alkane $\delta D$ and $\delta^{13}C$ GDGTs along an altitudinal transect in Ethiopia: Implications for (paleo)environmental studies. <i>Organic Geochemistry</i> , 2018, 124, 77-87.	0.9	18
117	Phosphorus resource partitioning shapes phosphorus acquisition and plant species abundance in grasslands. <i>Nature Plants</i> , 2017, 3, 16224.	4.7	63
118	Model performance of tree height-diameter relationships in the central Congo Basin. <i>Annals of Forest Science</i> , 2017, 74, 1.	0.8	43
119	YIELD PERFORMANCE, CARBON ASSIMILATION AND SPECTRAL RESPONSE OF TRITICALE TO WATER STRESS. <i>Experimental Agriculture</i> , 2017, 53, 100-117.	0.4	2
120	Methodological perspectives on the application of compound-specific stable isotope fingerprinting for sediment source apportionment. <i>Journal of Soils and Sediments</i> , 2017, 17, 1537-1553.	1.5	46
121	Functional community structure of African monodominant <i>Gilbertiodendron dewevrei</i> forest influenced by local environmental filtering. <i>Ecology and Evolution</i> , 2017, 7, 295-304.	0.8	37
122	Sources and behaviour of nitrogen compounds in the shallow groundwater of agricultural areas (Poyang Lake basin, China). <i>Journal of Contaminant Hydrology</i> , 2017, 202, 59-69.	1.6	57
123	Multiple oscillations during the Lateglacial as recorded in a multi-proxy, high-resolution record of the Moervaart palaeolake (NW Belgium). <i>Quaternary Science Reviews</i> , 2017, 162, 26-41.	1.4	21
124	INTENSIFICATION PATHWAY FOR IMPROVEMENT OF SMALLHOLDER CASSAVA PRODUCTION SYSTEMS IN SOUTHERN CÔTE D'IVOIRE. <i>Experimental Agriculture</i> , 2017, 53, 44-58.	0.4	4
125	Landscape-scale assessments of stable carbon isotopes in soil under diverse vegetation classes in East Africa: application of near-infrared spectroscopy. <i>Plant and Soil</i> , 2017, 421, 259-272.	1.8	12
126	Measuring $^{13}C$ -enriched $CO_2$ in air with a cavity ring-down spectroscopy gas analyser: Evaluation and calibration. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1892-1902.	0.7	11



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127	Offspring Hg exposure relates to parental feeding strategies in a generalist bird with strong individual foraging specialization. <i>Science of the Total Environment</i> , 2017, 601-602, 1315-1323.	3.9	11
128	Edge effects in temperate forests subjected to high nitrogen deposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7032.	3.3	6
129	Functional Composition of Tree Communities Changed Topsoil Properties in an Old Experimental Tropical Plantation. <i>Ecosystems</i> , 2017, 20, 861-871.	1.6	15
130	Influence of growing altitude, shade and harvest period on quality and biochemical composition of Ethiopian specialty coffee. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2849-2857.	1.7	81
131	Edge effects on N <sub>2</sub> O, NO and CH <sub>4</sub> fluxes in two temperate forests. <i>Science of the Total Environment</i> , 2017, 575, 1150-1155.	3.9	9
132	Spatial Distribution of Carbon Stored in Forests of the Democratic Republic of Congo. <i>Scientific Reports</i> , 2017, 7, 15030.	1.6	44
133	Parallel functional and stoichiometric trait shifts in South American and African forest communities with elevation. <i>Biogeosciences</i> , 2017, 14, 5313-5321.	1.3	15
134	System for $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis of discrete gas samples by cavity ring-down spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4507-4519.	1.2	7
135	Congolese Rhizospheric Soils as a Rich Source of New Plant Growth-Promoting Endophytic Piriformospora Isolates. <i>Frontiers in Microbiology</i> , 2017, 08, 212.	1.5	20
136	Short-term carbon input increases microbial nitrogen demand, but not microbial nitrogen mining, in a set of boreal forest soils. <i>Biogeochemistry</i> , 2017, 136, 261-278.	1.7	22
137	Plant water resource partitioning and isotopic fractionation during transpiration in a seasonally dry tropical climate. <i>Biogeosciences</i> , 2017, 14, 73-88.	1.3	13
138	An integrated pan-tropical biomass map using multiple reference datasets. <i>Global Change Biology</i> , 2016, 22, 1406-1420.	4.2	469
139	Facultative nitrogen fixation by legumes in the central Congo basin is downregulated during late successional stages. <i>Biotropica</i> , 2016, 48, 281-284.	0.8	33
140	The fate of plant wax lipids in a model forest ecosystem under elevated CO <sub>2</sub> concentration and increased nitrogen deposition. <i>Organic Geochemistry</i> , 2016, 98, 131-140.	0.9	14
141	Assessment of low-input technologies to improve productivity of early harvested cassava in Côte d'Ivoire. <i>Agroecology and Sustainable Food Systems</i> , 2016, 40, 941-964.	1.0	3
142	Variation in biochemical characteristics, water status, stomata features, leaf carbon isotope composition and its relationship to water use efficiency in pistachio ( <i>Pistacia vera</i> L.) cultivars under drought stress condition. <i>Scientia Horticulturae</i> , 2016, 211, 158-166.	1.7	24
143	Reproducibility of coffee quality cupping scores delivered by cupping centers in Ethiopia. <i>Journal of Sensory Studies</i> , 2016, 31, 423-429.	0.8	14
144	The electron donating capacity of biochar is dramatically underestimated. <i>Scientific Reports</i> , 2016, 6, 32870.	1.6	106

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145	Phosphorus use efficiency of improved faba bean ( <i>Vicia faba</i> ) varieties in low-input agroecosystems. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 347-354.	1.1	18
146	Combining carbon-13 and oxygen-18 to unravel triticale grain yield and physiological response to water stress. <i>Field Crops Research</i> , 2016, 195, 36-49.	2.3	9
147	Strong gradients in nitrogen and carbon stocks at temperate forest edges. <i>Forest Ecology and Management</i> , 2016, 376, 45-58.	1.4	56
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