

# Johan Six

## List of Publications by Year in descending order

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389  
papers

53,484  
citations

1697

104  
h-index

1527

218  
g-index

443  
all docs

443  
docs citations

443  
times ranked

28697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of sustainable land use: linking land management practices to sustainable land use indicators. <i>International Journal of Agricultural Sustainability</i> , 2022, 20, 265-288.	1.3	7
2	Raising up to the climate challenge - Understanding and assessing farmers' strategies to build their resilience. A comparative analysis between Ugandan and Swiss farmers. <i>Journal of Rural Studies</i> , 2022, 89, 1-12.	2.1	11
3	Fluvial sediment export from pristine forested headwater catchments in the Congo Basin. <i>Geomorphology</i> , 2022, 398, 108046.	1.1	6
4	Pedoclimatic factors and management determine soil organic carbon and aggregation in farmer fields at a regional scale. <i>Geoderma</i> , 2022, 409, 115632.	2.3	8
5	Mycorrhizal fungi-mediated uptake of tree-derived nitrogen by maize in smallholder farms. <i>Nature Sustainability</i> , 2022, 5, 64-70.	11.5	17
6	Understanding changes in cassava root dry matter yield by different planting dates, crop ages at harvest, fertilizer application and varieties. <i>European Journal of Agronomy</i> , 2022, 133, 126448.	1.9	7
7	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
8	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
9	Improving Soil Resource Uptake by Plants Through Capitalizing on Synergies Between Root Architecture and Anatomy and Root-Associated Microorganisms. <i>Frontiers in Plant Science</i> , 2022, 13, 827369.	1.7	30
10	Soil Nitrous Oxide Emission and Methane Exchange From Diversified Cropping Systems in Pannonian Region. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	3
11	Moderate shading did not affect barley yield in temperate silvoarable agroforestry systems. <i>Agroforestry Systems</i> , 2022, 96, 799-810.	0.9	10
12	A well-established fact: Rapid mineralization of organic inputs is an important factor for soil carbon sequestration. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	15
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	Cassava-maize intercropping systems in southern Nigeria: Radiation use efficiency, soil moisture dynamics, and yields of component crops. <i>Field Crops Research</i> , 2022, 283, 108550.	2.3	7
15	Ebullitive CH <sub>4</sub> flux and its mitigation potential by aeration in freshwater aquaculture: Measurements and global data synthesis. <i>Agriculture, Ecosystems and Environment</i> , 2022, 335, 108016.	2.5	11
16	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	14
17	Long-term evidence for ecological intensification as a pathway to sustainable agriculture. <i>Nature Sustainability</i> , 2022, 5, 770-779.	11.5	48
18	Reduction of nitrogen pollution in agriculture through nitrogen surplus quotas: an analysis of individual marginal abatement cost and different quota allocation schemes using an agent-based model. <i>Journal of Environmental Planning and Management</i> , 2021, 64, 1375-1391.	2.4	4

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19	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
20	Soil fertility maintenance with organic amendments to orange fleshed sweetpotato. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 213-229.	1.1	3
21	Mechanisms influencing physically sequestered soil carbon in temperate restored grasslands in South Africa and North America. <i>Biogeochemistry</i> , 2021, 156, 131-143.	1.7	8
22	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
23	On-farm assessment of cassava root yield response to tillage, plant density, weed control and fertilizer application in southwestern Nigeria. <i>Field Crops Research</i> , 2021, 262, 108038.	2.3	7
24	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
25	The Pulse of the Amazon: Fluxes of Dissolved Organic Carbon, Nutrients, and Ions From the World's Largest River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006895.	1.9	16
26	Global carbon dioxide efflux from rivers enhanced by high nocturnal emissions. <i>Nature Geoscience</i> , 2021, 14, 289-294.	5.4	76
27	Positive Effects of Crop Diversity on Productivity Driven by Changes in Soil Microbial Composition. <i>Frontiers in Microbiology</i> , 2021, 12, 660749.	1.5	59
28	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
29	Quantifying soil carbon in temperate peatlands using a mid-IR soil spectral library. <i>Soil</i> , 2021, 7, 193-215.	2.2	3
30	Global patterns of geo-ecological controls on the response of soil respiration to warming. <i>Nature Climate Change</i> , 2021, 11, 623-627.	8.1	54
31	Immobilization and stabilization of volcanic ash in soil aggregates in semiarid meadows of Northern Patagonia. <i>Geoderma</i> , 2021, 392, 114987.	2.3	5
32	Beyond feasibility—the role of motivation to implement measures to enhance resilience. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2021, 26, 1.	1.0	0
33	Continental-scale controls on soil organic carbon across sub-Saharan Africa. <i>Soil</i> , 2021, 7, 305-332.	2.2	30
34	The agronomic and economic viability of innovative cropping systems to reduce <i>Fusarium</i> head blight and related mycotoxins in wheat. <i>Agricultural Systems</i> , 2021, 192, 103198.	3.2	15
35	Developing the Swiss mid-infrared soil spectral library for local estimation and monitoring. <i>Soil</i> , 2021, 7, 525-546.	2.2	13
36	Limited resilience of the soil microbiome to mechanical compaction within four growing seasons of agricultural management. <i>ISME Communications</i> , 2021, 1, .	1.7	30

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37	Agronomic gain: Definition, approach, and application. <i>Field Crops Research</i> , 2021, 270, 108193.	2.3	25
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	Organic and conservation agriculture promote ecosystem multifunctionality. <i>Science Advances</i> , 2021, 7, .	4.7	104
40	The role of geochemistry in organic carbon stabilization against microbial decomposition in tropical rainforest soils. <i>Soil</i> , 2021, 7, 453-475.	2.2	22
41	Trees enhance abundance of arbuscular mycorrhizal fungi, soil structure, and nutrient retention in low-input maize cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2021, 318, 107487.	2.5	15
42	Developing recommendations for increased productivity in cassava-maize intercropping systems in Southern Nigeria. <i>Field Crops Research</i> , 2021, 272, 108283.	2.3	4
43	Rainfall seasonality and timing: implications for cereal crop production in Ethiopia. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108633.	1.9	28
44	A food tax only minimally reduces the N surplus of Swiss agriculture. <i>Agricultural Systems</i> , 2021, 194, 103271.	3.2	2
45	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
46	Estimation of soil properties with mid-infrared soil spectroscopy across yam production landscapes in West Africa. <i>Soil</i> , 2021, 7, 717-731.	2.2	2
47	Mixed Effects of Soil Compaction on the Nitrogen Cycle Under Pea and Wheat. <i>Frontiers in Microbiology</i> , 2021, 12, 822487.	1.5	4
48	Soil fertility and <i>Theobroma cacao</i> growth and productivity under commonly intercropped shade-tree species in Sulawesi, Indonesia. <i>Plant and Soil</i> , 2020, 453, 87-104.	1.8	36
49	Nutrient flows and intensification options for smallholder farmers of the Lao uplands. <i>Agricultural Systems</i> , 2020, 177, 102694.	3.2	13
50	Land-use controls on carbon biogeochemistry in lowland streams of the Congo Basin. <i>Global Change Biology</i> , 2020, 26, 1374-1389.	4.2	30
51	Whole-profile soil organic matter content, composition, and stability under cropping systems that differ in belowground inputs. <i>Agriculture, Ecosystems and Environment</i> , 2020, 291, 106810.	2.5	33
52	Prevention of <i>Fusarium</i> head blight infection and mycotoxins in wheat with cut-and-carry biofumigation and botanicals. <i>Field Crops Research</i> , 2020, 246, 107681.	2.3	28
53	Combining organic and mineral fertilizers as a climate-smart integrated soil fertility management practice in sub-Saharan Africa: A meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0239552.	1.1	51
54	Linking soil engineers, structural stability, and organic matter allocation to unravel soil carbon responses to land-use change. <i>Soil Biology and Biochemistry</i> , 2020, 150, 107998.	4.2	27

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55	Control of <i>Fusarium graminearum</i> in Wheat With Mustard-Based Botanicals: From in vitro to in planta. <i>Frontiers in Microbiology</i> , 2020, 11, 1595.	1.5	17
56	Du Feu À l'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006560.	1.9	11
57	A Transdisciplinary Approach for the Development of Sustainable Yam ( <i>Dioscorea</i> sp.) Production in West Africa. <i>Sustainability</i> , 2020, 12, 4016.	1.6	9
58	N&lt;sub&gt;2&lt;/sub&gt;O isotopocule measurements using laser spectroscopy: analyzer characterization and intercomparison. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2797-2831.	1.2	34
59	The soil organic carbon stabilization potential of old and new wheat cultivars: a &lt;sup&gt;13&lt;/sup&gt;CO&lt;sub&gt;2&lt;/sub&gt;-labeling study. <i>Biogeosciences</i> , 2020, 17, 2971-2986.	1.3	13
60	What can we learn from N<sub>2</sub>O isotope data? â€“ Analytics, processes and modelling. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8858.	0.7	67
61	Denitrification Is the Main Nitrous Oxide Source Process in Grassland Soils According to Quasiâ€Continuous Isotopocule Analysis and Biogeochemical Modeling. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006505.	1.9	11
62	Soil greenhouse gas budget of two intensively managed grazing systems. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107960.	1.9	13
63	Simulation of a regional soil nitrogen balance in Swiss croplands. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 118, 9-22.	1.1	5
64	Differential effects of wetting and drying on soil CO&lt;sub&gt;2&lt;/sub&gt; concentration and flux in near-surface vs. deep soil layers. <i>Biogeochemistry</i> , 2020, 148, 255-269.	1.7	25
65	Biophysical potential of organic cropping practices as a sustainable alternative in Switzerland. <i>Agricultural Systems</i> , 2020, 181, 102822.	3.2	9
66	Seasonality, drivers, and isotopic composition of soil CO&lt;sub&gt;2&lt;/sub&gt; fluxes from tropical forests of the Congo Basin. <i>Biogeosciences</i> , 2020, 17, 6207-6218.	1.3	6
67	Comparable bacterial-mediated nitrogen supply and losses under organic reduced tillage and conventional intensive tillage. <i>European Journal of Soil Biology</i> , 2019, 95, 103121.	1.4	3
68	Sustainable intensification of agricultural drainage. <i>Nature Sustainability</i> , 2019, 2, 914-921.	11.5	80
69	Applying the Aboveground-Belowground Interaction Concept in Agriculture: Spatio-Temporal Scales Matter. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	20
70	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , 2019, 12, 541-546.	5.4	97
71	Grazing-related nitrous oxide emissions: from patch scale to field scale. <i>Biogeosciences</i> , 2019, 16, 1685-1703.	1.3	21
72	Potential of indicators to unveil the hidden side of cropping system classification: Differences and similarities in cropping practices between conventional, no-till and organic systems. <i>European Journal of Agronomy</i> , 2019, 109, 125920.	1.9	17

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73	Nitrified Human Urine as a Sustainable and Socially Acceptable Fertilizer: An Analysis of Consumer Acceptance in Msunduzi, South Africa. <i>Sustainability</i> , 2019, 11, 2456.	1.6	11
74	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
75	Distinct responses of soil fungal and bacterial nitrate immobilization to land conversion from forest to agriculture. <i>Soil Biology and Biochemistry</i> , 2019, 134, 81-89.	4.2	37
76	Earthworm <i>Lumbricus terrestris</i> mediated redistribution of C and N into large macroaggregate-occluded soil fractions in fine-textured no-till soils. <i>Applied Soil Ecology</i> , 2019, 140, 26-34.	2.1	16
77	On-farm study reveals positive relationship between gas transport capacity and organic carbon content in arable soil. <i>Soil</i> , 2019, 5, 91-105.	2.2	19
78	Early season N <sub>2</sub> O emissions under variable water management in rice systems: source-partitioning emissions using isotope ratios along a depth profile. <i>Biogeosciences</i> , 2019, 16, 383-408.	1.3	31
79	Soil microhabitats mediate microbial response in organic reduced tillage cropping. <i>Applied Soil Ecology</i> , 2019, 137, 39-48.	2.1	5
80	Assessing the Climate Regulation Potential of Agricultural Soils Using a Decision Support Tool Adapted to Stakeholders' Needs and Possibilities. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	15
81	Soil carbon storage informed by particulate and mineral-associated organic matter. <i>Nature Geoscience</i> , 2019, 12, 989-994.	5.4	588
82	Attribution of N <sub>2</sub> O sources in a grassland soil with laser spectroscopy based isotopocule analysis. <i>Biogeosciences</i> , 2019, 16, 3247-3266.	1.3	36
83	Use of Botanicals to Suppress Different Stages of the Life Cycle of <i>Fusarium graminearum</i> . <i>Phytopathology</i> , 2019, 109, 2116-2123.	1.1	14
84	Biochar Enhances Nitrous Oxide Reduction in Acidic but Not in Near-Neutral pH Soil. <i>Soil Systems</i> , 2019, 3, 69.	1.0	5
85	Conservation tillage and organic farming reduce soil erosion. <i>Agronomy for Sustainable Development</i> , 2019, 39, 1.	2.2	96
86	Contrasting nitrogen fluxes in African tropical forests of the Congo Basin. <i>Ecological Monographs</i> , 2019, 89, e01342.	2.4	39
87	Improvement of soil structure through organic crop management, conservation tillage and grass-clover ley. <i>Soil and Tillage Research</i> , 2018, 180, 1-9.	2.6	44
88	Assessing the degree of localness of food value chains. <i>Agroecology and Sustainable Food Systems</i> , 2018, 42, 573-598.	1.0	19
89	Nitrification and coupled nitrification-denitrification at shallow depths are responsible for early season N <sub>2</sub> O emissions under alternate wetting and drying management in an Italian rice paddy system. <i>Soil Biology and Biochemistry</i> , 2018, 120, 58-69.	4.2	47
90	The century experiment: the first twenty years of UC Davis' Mediterranean agroecological experiment. <i>Ecology</i> , 2018, 99, 503-503.	1.5	28

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91	Identifying viable nutrient management interventions at the farm level: The case of smallholder organic Basmati rice production in Uttarakhand, India. <i>Agricultural Systems</i> , 2018, 161, 61-71.	3.2	7
92	Assessing Short-Term Impacts of Management Practices on N <sub>2</sub> O Emissions From Diverse Mediterranean Agricultural Ecosystems Using a Biogeochemical Model. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1557-1571.	1.3	22
93	Role of Soil Erosion in Biogeochemical Cycling of Essential Elements: Carbon, Nitrogen, and Phosphorus. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 521-548.	4.6	184
94	Development of a field-deployable method for simultaneous, real-time measurements of the four most abundant N <sub>2</sub> O isotopocules. <i>Isotopes in Environmental and Health Studies</i> , 2018, 54, 1-15.	0.5	13
95	Phosphorus cycling within soil aggregate fractions of a highly weathered tropical soil: A conceptual model. <i>Soil Biology and Biochemistry</i> , 2018, 116, 91-98.	4.2	74
96	Agroforestry systems can mitigate the severity of cocoa swollen shoot virus disease. <i>Agriculture, Ecosystems and Environment</i> , 2018, 252, 83-92.	2.5	40
97	Mapping Crop Calendar Events and Phenology-Related Metrics at the Parcel Level by Object-Based Image Analysis (OBIA) of MODIS-NDVI Time-Series: A Case Study in Central California. <i>Remote Sensing</i> , 2018, 10, 1745.	1.8	36
98	Resilience Assessment of Swiss Farming Systems: Piloting the SHARP-Tool in Vaud. <i>Sustainability</i> , 2018, 10, 4435.	1.6	12
99	Social network to inform and prevent the spread of cocoa swollen shoot virus disease in Ghana. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	4
100	Climate-smart sustainable agriculture in low-to-intermediate shade agroforests. <i>Nature Sustainability</i> , 2018, 1, 234-239.	11.5	140
101	Links among warming, carbon and microbial dynamics mediated by soil mineral weathering. <i>Nature Geoscience</i> , 2018, 11, 589-593.	5.4	116
102	Potentials to mitigate greenhouse gas emissions from Swiss agriculture. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 84-102.	2.5	20
103	Farmer perceptions of plant&#8211;soil interactions can affect adoption of sustainable management practices in cocoa agroforests: a case study from Southeast Sulawesi. <i>Ecology and Society</i> , 2018, 23, .	1.0	19
104	Restricting the nonlinearity parameter in soil greenhouse gas flux calculation for more reliable flux estimates. <i>PLoS ONE</i> , 2018, 13, e0200876.	1.1	27
105	Isolating organic carbon fractions with varying turnover rates in temperate agricultural soils – A comprehensive method comparison. <i>Soil Biology and Biochemistry</i> , 2018, 125, 10-26.	4.2	269
106	Legacy effects of long-term nitrogen fertilizer application on the fate of nitrogen fertilizer inputs in continuous maize. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 544-555.	2.5	41
107	Restoration and management for plant diversity enhances the rate of belowground ecosystem recovery. <i>Ecological Applications</i> , 2017, 27, 355-362.	1.8	42
108	Human-induced erosion has offset one-third of carbon emissions from land cover change. <i>Nature Climate Change</i> , 2017, 7, 345-349.	8.1	149

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109	Toward a Better Assessment of Biochar's Nitrous Oxide Mitigation Potential at the Field Scale. <i>Journal of Environmental Quality</i> , 2017, 46, 237-246.	1.0	66
110	Shade trees have limited benefits for soil fertility in cocoa agroforests. <i>Agriculture, Ecosystems and Environment</i> , 2017, 243, 83-91.	2.5	68
111	Clay illuviation provides a long-term sink for C sequestration in subsoils. <i>Scientific Reports</i> , 2017, 7, 45635.	1.6	53
112	Aligning agriculture and climate policy. <i>Nature Climate Change</i> , 2017, 7, 307-309.	8.1	213
113	Biochar additions can enhance soil structure and the physical stabilization of C in aggregates. <i>Geoderma</i> , 2017, 303, 110-117.	2.3	168
114	Nitrogen utilization and environmental losses in organic greenhouse lettuce amended with two distinct biochars. <i>Science of the Total Environment</i> , 2017, 598, 1169-1176.	3.9	27
115	Combatting Cocoa Swollen Shoot Virus Disease: What do we know?. <i>Crop Protection</i> , 2017, 98, 76-84.	1.0	22
116	The social costs of second-best policies: Evidence from agricultural GHG mitigation. <i>Journal of Environmental Economics and Management</i> , 2017, 82, 39-73.	2.1	11
117	Plant-mediated rhizospheric interactions in maize-pigeon pea intercropping enhance soil aggregation and organic phosphorus storage. <i>Plant and Soil</i> , 2017, 415, 37-55.	1.8	52
118	Does shade tree diversity increase soil fertility in cocoa plantations?. <i>Agriculture, Ecosystems and Environment</i> , 2017, 248, 190-199.	2.5	40
119	Can soil-less crop production be a sustainable option for soil conservation and future agriculture?. <i>Land Use Policy</i> , 2017, 69, 102-105.	2.5	68
120	Comparing the sustainability of local and global food products in Europe. <i>Journal of Cleaner Production</i> , 2017, 165, 346-359.	4.6	118
121	Season and location-specific nitrous oxide emissions in an almond orchard in California. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 107, 139-155.	1.1	16
122	New methodology for soil aggregate fractionation to investigate phosphorus transformations in iron oxide-rich tropical agricultural soil. <i>European Journal of Soil Science</i> , 2017, 68, 115-125.	1.8	14
123	Herbicide application during pasture renewal initially increases root turnover and carbon input to soil in perennial ryegrass and white clover pasture. <i>Plant and Soil</i> , 2017, 412, 133-142.	1.8	8
124	The Challenge of Improving Soil Fertility in Yam Cropping Systems of West Africa. <i>Frontiers in Plant Science</i> , 2017, 8, 1953.	1.7	32
125	Quantification of Soil Permanganate Oxidizable C (POXC) Using Infrared Spectroscopy. <i>Soil Science Society of America Journal</i> , 2017, 81, 277-288.	1.2	28
126	Maximum soil organic carbon storage in Midwest U.S. cropping systems when crops are optimally nitrogen-fertilized. <i>PLoS ONE</i> , 2017, 12, e0172293.	1.1	114



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127	Direct and Indirect Economic Incentives to Mitigate Nitrogen Surpluses: A Sensitivity Analysis. <i>Jasss</i> , 2017, 20, .	1.0	6
128	N <sub>2</sub> O emissions from California farmlands: A review. <i>California Agriculture</i> , 2017, 71, 148-159.	0.5	15
129	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	104
130	Carbon Abatement and Emissions Associated with the Gasification of Walnut Shells for Bioenergy and Biochar Production. <i>PLoS ONE</i> , 2016, 11, e0150837.	1.1	18
131	Crop residue retention enhances soil properties and nitrogen cycling in smallholder maize systems of Chiapas, Mexico. <i>Applied Soil Ecology</i> , 2016, 103, 110-116.	2.1	45
132	On-farm trial assessing combined organic and mineral fertilizer amendments on vegetable yields in central Uganda. <i>Agriculture, Ecosystems and Environment</i> , 2016, 225, 62-71.	2.5	27
133	N use efficiencies and N <sub>2</sub> O emissions in two contrasting, biochar amended soils under winter wheat cover crop sorghum rotation. <i>Environmental Research Letters</i> , 2016, 11, 084013.	2.2	16
134	Origins, seasonality, and fluxes of organic matter in the Congo River. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1105-1121.	1.9	59
135	Stand age affects emissions of N <sub>2</sub> O in flood-irrigated alfalfa: a comparison of field measurements, DNDC model simulations and IPCC Tier 1 estimates. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 106, 335-345.	1.1	9
136	Quantification of ecosystem C dynamics in a long-term FACE study on permanent grassland. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 963-972.	0.7	7
137	Response to G.W. Silesi's Letter to the Editor on AGEE13857 (2015): Exclusion of soil macrofauna did not affect soil quality – statistical artefact or true lack of effect?. <i>Agriculture, Ecosystems and Environment</i> , 2016, 221, 282-284.	2.5	1
138	Plant versus microbial controls on soil aggregate stability in a seasonally dry ecosystem. <i>Geoderma</i> , 2016, 272, 39-50.	2.3	106
139	Effects of switchgrass cultivars and intraspecific differences in root structure on soil carbon inputs and accumulation. <i>Geoderma</i> , 2016, 262, 147-154.	2.3	50
140	Conservation agriculture: Systems thinking for sustainable farming. <i>California Agriculture</i> , 2016, 70, 53-56.	0.5	11
141	Potential regional productivity and greenhouse gas emissions of fertilized and irrigated switchgrass in a Mediterranean climate. <i>Agriculture, Ecosystems and Environment</i> , 2015, 212, 64-74.	2.5	7
142	Soil fertility decline at the base of rural poverty in sub-Saharan Africa. <i>Nature Plants</i> , 2015, 1, 15101.	4.7	36
143	Modeling methane and nitrous oxide emissions from direct-seeded rice systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2011-2035.	1.3	13
144	Integrating plant litter quality, soil organic matter stabilization, and the carbon saturation concept. <i>Global Change Biology</i> , 2015, 21, 3200-3209.	4.2	456

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145	Soil redistribution and weathering controlling the fate of geochemical and physical carbon stabilization mechanisms in soils of an eroding landscape. <i>Biogeosciences</i> , 2015, 12, 1357-1371.	1.3	36
146	A call for international soil experiment networks for studying, predicting, and managing global change impacts. <i>Soil</i> , 2015, 1, 575-582.	2.2	12
147	First on-line isotopic characterization of N&lt;sub&gt;2&lt;/sub&gt;O above intensively managed grassland. <i>Biogeosciences</i> , 2015, 12, 2517-2531.	1.3	44
148	Making the Most of Our Land: Managing Soil Functions from Local to Continental Scale. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	69
149	The interdisciplinary nature of &lt;i&gt;SOIL&lt;/i&gt;. <i>Soil</i> , 2015, 1, 117-129.	2.2	494
150	Effect of biochar and liming on soil nitrous oxide emissions from a temperate maize cropping system. <i>Soil</i> , 2015, 1, 707-717.	2.2	36
151	Mitigating N&lt;sub&gt;2&lt;/sub&gt;O emissions from soil: from patching leaks to transformative action. <i>Soil</i> , 2015, 1, 687-694.	2.2	73
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