Johan Six

List of Publications by Year in descending order

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390 papers	53,484 citations	1704 104 h-index	1505 219 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. International Journal of Agricultural Sustainability, 2022, 20, 265-288.	3.5	7
2	Raising up to the climate challenge - Understanding and assessing farmersâ€™ strategies to build their resilience. A comparative analysis between Ugandan and Swiss farmers. Journal of Rural Studies, 2022, 89, 1-12.	4.7	11
3	Fluvial sediment export from pristine forested headwater catchments in the Congo Basin. Geomorphology, 2022, 398, 108046.	2.6	6
4	Pedoclimatic factors and management determine soil organic carbon and aggregation in farmer fields at a regional scale. Geoderma, 2022, 409, 115632.	5.1	8
5	Mycorrhizal fungi-mediated uptake of tree-derived nitrogen by maize in smallholder farms. Nature Sustainability, 2022, 5, 64-70.	23.7	17
6	Understanding changes in cassava root dry matter yield by different planting dates, crop ages at harvest, fertilizer application and varieties. European Journal of Agronomy, 2022, 133, 126448.	4.1	7
7	Low N2O and variable CH4 fluxes from tropical forest soils of the Congo Basin. Nature Communications, 2022, 13, 330.	12.8	17
8	Greenhouse gas dynamics in an urbanized river system: influence of water quality and land use. Environmental Science and Pollution Research, 2022, 29, 37277-37290.	5.3	11
9	Improving Soil Resource Uptake by Plants Through Capitalizing on Synergies Between Root Architecture and Anatomy and Root-Associated Microorganisms. Frontiers in Plant Science, 2022, 13, 827369.	3.6	30
10	Soil Nitrous Oxide Emission and Methane Exchange From Diversified Cropping Systems in Pannonian Region. Frontiers in Environmental Science, 2022, 10, .	3.3	3
11	Moderate shading did not affect barley yield in temperate silvoarable agroforestry systems. Agroforestry Systems, 2022, 96, 799-810.	2.0	10
12	A wellâ€estabished fact: Rapid mineralization of organic inputs is an important factor for soil carbon sequestration. European Journal of Soil Science, 2022, 73, .	3.9	15
13	Conservative N cycling despite high atmospheric deposition in early successional African tropical lowland forests. Plant and Soil, 2022, 477, 743-758.	3.7	1
14	Cassava-maize intercropping systems in southern Nigeria: Radiation use efficiency, soil moisture dynamics, and yields of component crops. Field Crops Research, 2022, 283, 108550.	5.1	7
15	Ebullitive CH4 flux and its mitigation potential by aeration in freshwater aquaculture: Measurements and global data synthesis. Agriculture, Ecosystems and Environment, 2022, 335, 108016.	5.3	11
16	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. Global Biogeochemical Cycles, 2022, 36, .	4.9	14
17	Long-term evidence for ecological intensification as a pathway to sustainable agriculture. Nature Sustainability, 2022, 5, 770-779.	23.7	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. Journal of Environmental Planning and Management, 2021, 64, 1375-1391.	4.5	4

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19	Soil Nutrient Depletion and Tree Functional Composition Shift Following Repeated Clearing in Secondary Forests of the Congo Basin. Ecosystems, 2021, 24, 1422-1435.	3.4	10
20	Soil fertility maintenance with organic amendments to orange fleshed sweetpotato. Nutrient Cycling in Agroecosystems, 2021, 119, 213-229.	2.2	3
21	Mechanisms influencing physically sequestered soil carbon in temperate restored grasslands in South Africa and North America. Biogeochemistry, 2021, 156, 131-143.	3.5	8
22	Stable isotope signatures of soil nitrogen on an environmentalâ€“geomorphic gradient within the Congo Basin. Soil, 2021, 7, 83-94.	4.9	9
23	On-farm assessment of cassava root yield response to tillage, plant density, weed control and fertilizer application in southwestern Nigeria. Field Crops Research, 2021, 262, 108038.	5.1	7
24	Spatial and temporal variations of greenhouse gas emissions from a waste stabilization pond: Effects of sludge distribution and accumulation. Water Research, 2021, 193, 116858.	11.3	12
25	The Pulse of the Amazon: Fluxes of Dissolved Organic Carbon, Nutrients, and Ions From the World's Largest River. Global Biogeochemical Cycles, 2021, 35, e2020GB006895.	4.9	16
26	Global carbon dioxide efflux from rivers enhanced by high nocturnal emissions. Nature Geoscience, 2021, 14, 289-294.	12.9	76
27	Positive Effects of Crop Diversity on Productivity Driven by Changes in Soil Microbial Composition. Frontiers in Microbiology, 2021, 12, 660749.	3.5	59
28	In-depth analysis of N2O fluxes in tropical forest soils of the Congo Basin combining isotope and functional gene analysis. ISME Journal, 2021, 15, 3357-3374.	9.8	24
29	Quantifying soil carbon in temperate peatlands using a mid-IR soil spectral library. Soil, 2021, 7, 193-215.	4.9	3
30	Global patterns of geo-ecological controls on the response of soil respiration to warming. Nature Climate Change, 2021, 11, 623-627.	18.8	54
31	Immobilization and stabilization of volcanic ash in soil aggregates in semiarid meadows of Northern Patagonia. Geoderma, 2021, 392, 114987.	5.1	5
32	Beyond feasibilityâ€”the role of motivation to implement measures to enhance resilience. Mitigation and Adaptation Strategies for Global Change, 2021, 26, 1.	2.1	0
33	Continental-scale controls on soil organic carbon across sub-Saharan Africa. Soil, 2021, 7, 305-332.	4.9	30
34	The agronomic and economic viability of innovative cropping systems to reduce Fusarium head blight and related mycotoxins in wheat. Agricultural Systems, 2021, 192, 103198.	6.1	15
35	Developing the Swiss mid-infrared soil spectral library for local estimation and monitoring. Soil, 2021, 7, 525-546.	4.9	13
36	Limited resilience of the soil microbiome to mechanical compaction within four growing seasons of agricultural management. ISME Communications, 2021, 1, .	4.2	30

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37	Agronomic gain: Definition, approach, and application. Field Crops Research, 2021, 270, 108193.	5.1	25
38	Organic matter cycling along geochemical, geomorphic, and disturbance gradients in forest and cropland of the African Tropics â€“ project TropSOC database version 1.0. Earth System Science Data, 2021, 13, 4133-4153.	9.9	13
39	Organic and conservation agriculture promote ecosystem multifunctionality. Science Advances, 2021, 7, .	10.3	104
40	The role of geochemistry in organic carbon stabilization against microbial decomposition in tropical rainforest soils. Soil, 2021, 7, 453-475.	4.9	22
41	Trees enhance abundance of arbuscular mycorrhizal fungi, soil structure, and nutrient retention in low-input maize cropping systems. Agriculture, Ecosystems and Environment, 2021, 318, 107487.	5.3	15
42	Developing recommendations for increased productivity in cassava-maize intercropping systems in Southern Nigeria. Field Crops Research, 2021, 272, 108283.	5.1	4
43	Rainfall seasonality and timing: implications for cereal crop production in Ethiopia. Agricultural and Forest Meteorology, 2021, 310, 108633.	4.8	28
44	A food tax only minimally reduces the N surplus of Swiss agriculture. Agricultural Systems, 2021, 194, 103271.	6.1	2
45	The central African soil spectral library: a new soil infrared repository and a geographical prediction analysis. Soil, 2021, 7, 693-715.	4.9	15
46	Estimation of soil properties with mid-infrared soil spectroscopy across yam production landscapes in West Africa. Soil, 2021, 7, 717-731.	4.9	2
47	Mixed Effects of Soil Compaction on the Nitrogen Cycle Under Pea and Wheat. Frontiers in Microbiology, 2021, 12, 822487.	3.5	4
48	Soil fertility and Theobroma cacao growth and productivity under commonly intercropped shade-tree species in Sulawesi, Indonesia. Plant and Soil, 2020, 453, 87-104.	3.7	36
49	Nutrient flows and intensification options for smallholder farmers of the Lao uplands. Agricultural Systems, 2020, 177, 102694.	6.1	13
50	Landâ€use controls on carbon biogeochemistry in lowland streams of the Congo Basin. Global Change Biology, 2020, 26, 1374-1389.	9.5	30
51	Whole-profile soil organic matter content, composition, and stability under cropping systems that differ in belowground inputs. Agriculture, Ecosystems and Environment, 2020, 291, 106810.	5.3	33
52	Prevention of Fusarium head blight infection and mycotoxins in wheat with cut-and-carry biofumigation and botanicals. Field Crops Research, 2020, 246, 107681.	5.1	28
53	Combining organic and mineral fertilizers as a climate-smart integrated soil fertility management practice in sub-Saharan Africa: A meta-analysis. PLoS ONE, 2020, 15, e0239552.	2.5	51
54	Linking soil engineers, structural stability, and organic matter allocation to unravel soil carbon responses to land-use change. Soil Biology and Biochemistry, 2020, 150, 107998.	8.8	27

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55	Control of Fusarium graminearum in Wheat With Mustard-Based Botanicals: From in vitro to in planta. Frontiers in Microbiology, 2020, 11, 1595.	3.5	17
56	Du Feu Ã l'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. Global Biogeochemical Cycles, 2020, 34, e2020GB006560.	4.9	11
57	A Transdisciplinary Approach for the Development of Sustainable Yam (Dioscorea sp.) Production in West Africa. Sustainability, 2020, 12, 4016.	3.2	9
58	N₂O isotopocule measurements using laser spectroscopy: analyzer characterization and intercomparison. Atmospheric Measurement Techniques, 2020, 13, 2797-2831.	3.1	34
59	The soil organic carbon stabilization potential of old and new wheat cultivars: a ¹³CO₂-labeling study. Biogeosciences, 2020, 17, 2971-2986.	3.3	13
60	What can we learn from N₂O isotope data? â€“ Analytics, processes and modelling. Rapid Communications in Mass Spectrometry, 2020, 34, e8858.	1.5	67
61	Denitrification Is the Main Nitrous Oxide Source Process in Grassland Soils According to Quasiâ€Continuous Isotopocule Analysis and Biogeochemical Modeling. Global Biogeochemical Cycles, 2020, 34, e2019GB006505.	4.9	11
62	Soil greenhouse gas budget of two intensively managed grazing systems. Agricultural and Forest Meteorology, 2020, 287, 107960.	4.8	13
63	Simulation of a regional soil nitrogen balance in Swiss croplands. Nutrient Cycling in Agroecosystems, 2020, 118, 9-22.	2.2	5
64	Differential effects of wetting and drying on soil CO2 concentration and flux in near-surface vs. deep soil layers. Biogeochemistry, 2020, 148, 255-269.	3.5	25
65	Biophysical potential of organic cropping practices as a sustainable alternative in Switzerland. Agricultural Systems, 2020, 181, 102822.	6.1	9
66	Seasonality, drivers, and isotopic composition of soil CO₂ fluxes from tropical forests of the Congo Basin. Biogeosciences, 2020, 17, 6207-6218.	3.3	6
67	Comparable bacterial-mediated nitrogen supply and losses under organic reduced tillage and conventional intensive tillage. European Journal of Soil Biology, 2019, 95, 103121.	3.2	3
68	Sustainable intensification of agricultural drainage. Nature Sustainability, 2019, 2, 914-921.	23.7	80
69	Applying the Aboveground-Belowground Interaction Concept in Agriculture: Spatio-Temporal Scales Matter. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	20
70	Mobilization of aged and biolabile soil carbon by tropical deforestation. Nature Geoscience, 2019, 12, 541-546.	12.9	97
71	Grazing-related nitrous oxide emissions: from patch scale to field scale. Biogeosciences, 2019, 16, 1685-1703.	3.3	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. European Journal of Agronomy, 2019, 109, 125920.	4.1	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. Sustainability, 2019, 11, 2456.	3.2	11
74	Longâ€term recovery of the functional community assembly and carbon pools in an African tropical forest succession. Biotropica, 2019, 51, 319-329.	1.6	23
75	Distinct responses of soil fungal and bacterial nitrate immobilization to land conversion from forest to agriculture. Soil Biology and Biochemistry, 2019, 134, 81-89.	8.8	37
76	Earthworm Lumbricus terrestris mediated redistribution of C and N into large macroaggregate-occluded soil fractions in fine-textured no-till soils. Applied Soil Ecology, 2019, 140, 26-34.	4.3	16
77	On-farm study reveals positive relationship between gas transport capacity and organic carbon content in arable soil. Soil, 2019, 5, 91-105.	4.9	19
78	Early season N₂O emissions under variable water management in rice systems: source-partitioning emissions using isotope ratios along a depth profile. Biogeosciences, 2019, 16, 383-408.	3.3	31
79	Soil microhabitats mediate microbial response in organic reduced tillage cropping. Applied Soil Ecology, 2019, 137, 39-48.	4.3	5
80	Assessing the Climate Regulation Potential of Agricultural Soils Using a Decision Support Tool Adapted to Stakeholders' Needs and Possibilities. Frontiers in Environmental Science, 2019, 7, .	3.3	15
81	Soil carbon storage informed by particulate and mineral-associated organic matter. Nature Geoscience, 2019, 12, 989-994.	12.9	588
82	Attribution of N₂O sources in a grassland soil with laser spectroscopy based isotopocule analysis. Biogeosciences, 2019, 16, 3247-3266.	3.3	36
83	Use of Botanicals to Suppress Different Stages of the Life Cycle of Fusarium graminearum. Phytopathology, 2019, 109, 2116-2123.	2.2	14
84	Biochar Enhances Nitrous Oxide Reduction in Acidic but Not in Near-Neutral pH Soil. Soil Systems, 2019, 3, 69.	2.6	5
85	Conservation tillage and organic farming reduce soil erosion. Agronomy for Sustainable Development, 2019, 39, 1.	5.3	96
86	Contrasting nitrogen fluxes in African tropical forests of the Congo Basin. Ecological Monographs, 2019, 89, e01342.	5.4	39
87	Improvement of soil structure through organic crop management, conservation tillage and grass-clover ley. Soil and Tillage Research, 2018, 180, 1-9.	5.6	44
88	Assessing the degree of localness of food value chains. Agroecology and Sustainable Food Systems, 2018, 42, 573-598.	1.9	19
89	Nitrification and coupled nitrification-denitrification at shallow depths are responsible for early season N2O emissions under alternate wetting and drying management in an Italian rice paddy system. Soil Biology and Biochemistry, 2018, 120, 58-69.	8.8	47
90	The century experiment: the first twenty years of <scp>UC</scp> Davis' Mediterranean agroecological experiment. Ecology, 2018, 99, 503-503.	3.2	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. Agricultural Systems, 2018, 161, 61-71.	6.1	7
92	Assessing Shortâ€Term Impacts of Management Practices on N₂O Emissions From Diverse Mediterranean Agricultural Ecosystems Using a Biogeochemical Model. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1557-1571.	3.0	22
93	Role of Soil Erosion in Biogeochemical Cycling of Essential Elements: Carbon, Nitrogen, and Phosphorus. Annual Review of Earth and Planetary Sciences, 2018, 46, 521-548.	11.0	184
94	Development of a field-deployable method for simultaneous, real-time measurements of the four most abundant N₂O isotopocules. Isotopes in Environmental and Health Studies, 2018, 54, 1-15.	1.0	13
95	Phosphorus cycling within soil aggregate fractions of a highly weathered tropical soil: A conceptual model. Soil Biology and Biochemistry, 2018, 116, 91-98.	8.8	74
96	Agroforestry systems can mitigate the severity of cocoa swollen shoot virus disease. Agriculture, Ecosystems and Environment, 2018, 252, 83-92.	5.3	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. Remote Sensing, 2018, 10, 1745.	4.0	36
98	Resilience Assessment of Swiss Farming Systems: Piloting the SHARP-Tool in Vaud. Sustainability, 2018, 10, 4435.	3.2	12
99	Social network to inform and prevent the spread of cocoa swollen shoot virus disease in Ghana. Agronomy for Sustainable Development, 2018, 38, 1.	5.3	4
100	Climate-smart sustainable agriculture in low-to-intermediate shade agroforests. Nature Sustainability, 2018, 1, 234-239.	23.7	140
101	Links among warming, carbon and microbial dynamics mediated by soil mineral weathering. Nature Geoscience, 2018, 11, 589-593.	12.9	116
102	Potentials to mitigate greenhouse gas emissions from Swiss agriculture. Agriculture, Ecosystems and Environment, 2018, 265, 84-102.	5.3	20
103	Farmer perceptions of plant–soil interactions can affect adoption of sustainable management practices in cocoa agroforests: a case study from Southeast Sulawesi. Ecology and Society, 2018, 23, .	2.3	19
104	Restricting the nonlinearity parameter in soil greenhouse gas flux calculation for more reliable flux estimates. PLoS ONE, 2018, 13, e0200876.	2.5	27
105	Isolating organic carbon fractions with varying turnover rates in temperate agricultural soils â€“ A comprehensive method comparison. Soil Biology and Biochemistry, 2018, 125, 10-26.	8.8	269
106	Legacy effects of long-term nitrogen fertilizer application on the fate of nitrogen fertilizer inputs in continuous maize. Agriculture, Ecosystems and Environment, 2018, 265, 544-555.	5.3	41
107	Restoration and management for plant diversity enhances the rate of belowground ecosystem recovery. Ecological Applications, 2017, 27, 355-362.	3.8	42
108	Human-induced erosion has offset one-third of carbon emissions from land cover change. Nature Climate Change, 2017, 7, 345-349.	18.8	149

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109	Toward a Better Assessment of Biocharâ€“Nitrous Oxide Mitigation Potential at the Field Scale. Journal of Environmental Quality, 2017, 46, 237-246.	2.0	66
110	Shade trees have limited benefits for soil fertility in cocoa agroforests. Agriculture, Ecosystems and Environment, 2017, 243, 83-91.	5.3	68
111	Clay illuviation provides a long-term sink for C sequestration in subsoils. Scientific Reports, 2017, 7, 45635.	3.3	53
112	Aligning agriculture and climate policy. Nature Climate Change, 2017, 7, 307-309.	18.8	213
113	Biochar additions can enhance soil structure and the physical stabilization of C in aggregates. Geoderma, 2017, 303, 110-117.	5.1	168
114	Nitrogen utilization and environmental losses in organic greenhouse lettuce amended with two distinct biochars. Science of the Total Environment, 2017, 598, 1169-1176.	8.0	27
115	Combatting Cocoa Swollen Shoot Virus Disease: What do we know?. Crop Protection, 2017, 98, 76-84.	2.1	22
116	The social costs of second-best policies: Evidence from agricultural GHG mitigation. Journal of Environmental Economics and Management, 2017, 82, 39-73.	4.7	11
117	Plant-mediated rhizospheric interactions in maize-pigeon pea intercropping enhance soil aggregation and organic phosphorus storage. Plant and Soil, 2017, 415, 37-55.	3.7	52
118	Does shade tree diversity increase soil fertility in cocoa plantations?. Agriculture, Ecosystems and Environment, 2017, 248, 190-199.	5.3	40
119	Can soil-less crop production be a sustainable option for soil conservation and future agriculture?. Land Use Policy, 2017, 69, 102-105.	5.6	68
120	Comparing the sustainability of local and global food products in Europe. Journal of Cleaner Production, 2017, 165, 346-359.	9.3	118
121	Season and locationâ€“specific nitrous oxide emissions in an almond orchard in California. Nutrient Cycling in Agroecosystems, 2017, 107, 139-155.	2.2	16
122	New methodology for soil aggregate fractionation to investigate phosphorus transformations in iron oxideâ€rich tropical agricultural soil. European Journal of Soil Science, 2017, 68, 115-125.	3.9	14
123	Herbicide application during pasture renewal initially increases root turnover and carbon input to soil in perennial ryegrass and white clover pasture. Plant and Soil, 2017, 412, 133-142.	3.7	8
124	The Challenge of Improving Soil Fertility in Yam Cropping Systems of West Africa. Frontiers in Plant Science, 2017, 8, 1953.	3.6	32
125	Quantification of Soil Permanganate Oxidizable C (POXC) Using Infrared Spectroscopy. Soil Science Society of America Journal, 2017, 81, 277-288.	2.2	28
126	Maximum soil organic carbon storage in Midwest U.S. cropping systems when crops are optimally nitrogen-fertilized. PLoS ONE, 2017, 12, e0172293.	2.5	114

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127	Direct and Indirect Economic Incentives to Mitigate Nitrogen Surpluses: A Sensitivity Analysis. Jasss, 2017, 20, .	1.8	6
128	N₂O emissions from California farmlands: A review. California Agriculture, 2017, 71, 148-159.	0.8	15
129	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. Frontiers in Earth Science, 2016, 4, .	1.8	104
130	Carbon Abatement and Emissions Associated with the Gasification of Walnut Shells for Bioenergy and Biochar Production. PLoS ONE, 2016, 11, e0150837.	2.5	18
131	Crop residue retention enhances soil properties and nitrogen cycling in smallholder maize systems of Chiapas, Mexico. Applied Soil Ecology, 2016, 103, 110-116.	4.3	45
132	On-farm trial assessing combined organic and mineral fertilizer amendments on vegetable yields in central Uganda. Agriculture, Ecosystems and Environment, 2016, 225, 62-71.	5.3	27
133	N use efficiencies and N ₂ O emissions in two contrasting, biochar amended soils under winter wheatâ€"cover cropâ€"sorghum rotation. Environmental Research Letters, 2016, 11, 084013.	5.2	16
134	Origins, seasonality, and fluxes of organic matter in the Congo River. Global Biogeochemical Cycles, 2016, 30, 1105-1121.	4.9	59
135	Stand age affects emissions of N2O in flood-irrigated alfalfa: a comparison of field measurements, DNDC model simulations and IPCC Tier 1 estimates. Nutrient Cycling in Agroecosystems, 2016, 106, 335-345.	2.2	9
136	Quantification of ecosystem C dynamics in a longâ€term FACE study on permanent grassland. Rapid Communications in Mass Spectrometry, 2016, 30, 963-972.	1.5	7
137	Response to G.W. Sileshiâ€™s Letter to the Editor on AGEE13857 (2015): Exclusion of soil macrofauna did not affect soil quality â€“ statistical artefact or true lack of effect?. Agriculture, Ecosystems and Environment, 2016, 221, 282-284.	5.3	1
138	Plant versus microbial controls on soil aggregate stability in a seasonally dry ecosystem. Geoderma, 2016, 272, 39-50.	5.1	106
139	Effects of switchgrass cultivars and intraspecific differences in root structure on soil carbon inputs and accumulation. Geoderma, 2016, 262, 147-154.	5.1	50
140	Conservation agriculture: Systems thinking for sustainable farming. California Agriculture, 2016, 70, 53-56.	0.8	11
141	Potential regional productivity and greenhouse gas emissions of fertilized and irrigated switchgrass in a Mediterranean climate. Agriculture, Ecosystems and Environment, 2015, 212, 64-74.	5.3	7
142	Soil fertility decline at the base of rural poverty in sub-Saharan Africa. Nature Plants, 2015, 1, 15101.	9.3	36
143	Modeling methane and nitrous oxide emissions from directâ€seeded rice systems. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2011-2035.	3.0	13
144	Integrating plant litter quality, soil organic matter stabilization, and the carbon saturation concept. Global Change Biology, 2015, 21, 3200-3209.	9.5	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. Biogeosciences, 2015, 12, 1357-1371.	3.3	36
146	A call for international soil experiment networks for studying, predicting, and managing global change impacts. Soil, 2015, 1, 575-582.	4.9	12
147	First on-line isotopic characterization of N₂O above intensively managed grassland. Biogeosciences, 2015, 12, 2517-2531.	3.3	44
148	Making the Most of Our Land: Managing Soil Functions from Local to Continental Scale. Frontiers in Environmental Science, 2015, 3, .	3.3	69
149	The interdisciplinary nature of <i>SOIL</i>. Soil, 2015, 1, 117-129.	4.9	494
150	Effect of biochar and liming on soil nitrous oxide emissions from a temperate maize cropping system. Soil, 2015, 1, 707-717.	4.9	36
151	Mitigating N₂O emissions from soil: from patching leaks to transformative action. Soil, 2015, 1, 687-694.	4.9	73
152	Sustained high magnitude erosional forcing generates an organic carbon sink: Test and implications in the Loess Plateau, China. Earth and Planetary Science Letters, 2015, 411, 281-289.	4.4	40
153	Photodegradation effects on CO2 emissions from litter and SOM and photo-facilitation of microbial decomposition in a California grassland. Soil Biology and Biochemistry, 2015, 91, 40-49.	8.8	25
154	Impact of no-till and reduced tillage on aggregation and aggregate-associated carbon in Northern European agroecosystems. Soil and Tillage Research, 2015, 150, 107-113.	5.6	149
155	Give soils their due. Science, 2015, 347, 695-695.	12.6	68
156	Belowground Ecosystem Recovery During Grassland Restoration: South African Highveld Compared to US Tallgrass Prairie. Ecosystems, 2015, 18, 390-403.	3.4	28
157	Soil carbon, nitrogen and phosphorus changes under sugarcane expansion in Brazil. Science of the Total Environment, 2015, 515-516, 30-38.	8.0	63
158	Exclusion of soil macrofauna did not affect soil quality but increased crop yields in a sub-humid tropical maize-based system. Agriculture, Ecosystems and Environment, 2015, 208, 75-85.	5.3	22
159	Changes in potential denitrification-derived N2O emissions following conversion of grain to greenhouse vegetable cropping systems. European Journal of Soil Biology, 2015, 68, 94-100.	3.2	15
160	Biochar alters nitrogen transformations but has minimal effects on nitrous oxide emissions in an organically managed lettuce mesocosm. Biology and Fertility of Soils, 2015, 51, 573-582.	4.3	84
161	Root carbon inputs under moderately diverse sward and conventional ryegrass-clover pasture: implications for soil carbon sequestration. Plant and Soil, 2015, 392, 289-299.	3.7	61
162	When does no-till yield more? A global meta-analysis. Field Crops Research, 2015, 183, 156-168.	5.1	538

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163	Nitrogen fertilization reduces yield declines following no-till adoption. Field Crops Research, 2015, 183, 204-210.	5.1	69
164	Food system resilience: Defining the concept. Global Food Security, 2015, 6, 17-23.	8.1	456
165	Soil Biodiversity and the Environment. Annual Review of Environment and Resources, 2015, 40, 63-90.	13.4	194
166	Soil carbon storage controlled by interactions between geochemistry and climate. Nature Geoscience, 2015, 8, 780-783.	12.9	509
167	Soil biodiversity and human health. Nature, 2015, 528, 69-76.	27.8	532
168	Intercropping enhances soil carbon and nitrogen. Global Change Biology, 2015, 21, 1715-1726.	9.5	286
169	Soil carbon, multiple benefits. Environmental Development, 2015, 13, 33-38.	4.1	75
170	Soil nitrous oxide emissions as affected by long-term tillage, cropping systems and nitrogen fertilization in Southern Brazil. Soil and Tillage Research, 2015, 146, 213-222.	5.6	83
171	Productivity limits and potentials of the principles of conservation agriculture. Nature, 2015, 517, 365-368.	27.8	1,005
172	Effects of Detrital Inputs and Roots on Carbon Saturation Deficit of a Temperate Forest Soil. Soil Science Society of America Journal, 2014, 78, S76.	2.2	21
173	Object-Based Image Classification of Summer Crops with Machine Learning Methods. Remote Sensing, 2014, 6, 5019-5041.	4.0	152
174	Corrigendum to â€œReduced nitrous oxide emissions and increased yields in California tomato cropping systems under drip irrigation and fertigationâ€•[Agric. Ecosys. Environ. 170C (2013): 16â€“27]. Agriculture, Ecosystems and Environment, 2014, 196, 185.	5.3	0
175	Productivity, ¹⁵N dynamics and water use efficiency in lowâ€•and highâ€•input switchgrass systems. GCB Bioenergy, 2014, 6, 704-716.	5.6	12
176	Switchgrass in California: where, and at what price?. GCB Bioenergy, 2014, 6, 672-686.	5.6	12
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