

Stephen A Wood

List of Publications by Year in descending order

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64
papers

7,171
citations

126858

33
h-index

123376

61
g-index

71
all docs

71
docs citations

71
times ranked

12073
citing authors

#	ARTICLE	IF	CITATIONS
1	Socio-Technical Innovation Bundles for Agri-Food Systems Transformation. Sustainable Development Goals Series, 2022, , 1-20.	0.2	2
2	Toward an improved understanding of causation in the ecological sciences. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 474-480.	1.9	17
3	Making soil health science practical: guiding research for agronomic and environmental benefits. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108776.	4.2	11
4	How microbes can, and cannot, be used to assess soil health. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108111.	4.2	196
5	Articulating the effect of food systems innovation on the Sustainable Development Goals. <i>Lancet Planetary Health</i> , The, 2021, 5, e50-e62.	5.1	135
6	Large-scale farmer-led experiment demonstrates positive impact of cover crops on multiple soil health indicators. <i>Nature Food</i> , 2021, 2, 97-103.	6.2	44
7	Soil organic matter protects US maize yields and lowers crop insurance payouts under drought. <i>Environmental Research Letters</i> , 2021, 16, 044018.	2.2	43
8	Quantifying microbial control of soil organic matter dynamics at macrosystem scales. <i>Biogeochemistry</i> , 2021, 156, 19-40.	1.7	37
9	Scale dependence in functional equivalence and difference in the soil microbiome. <i>Soil Biology and Biochemistry</i> , 2021, 163, 108451.	4.2	3
10	Forest pattern, not just amount, influences dietary quality in five African countries. <i>Global Food Security</i> , 2020, 25, 100331.	4.0	22
11	Mapping carbon accumulation potential from global natural forest regrowth. <i>Nature</i> , 2020, 585, 545-550.	13.7	278
12	Improving scientific impact: How to practice science that influences environmental policy and management. <i>Conservation Science and Practice</i> , 2020, 2, e210.	0.9	19
13	Variation in Tree Growth along Soil Formation and Microtopographic Gradients in Riparian Forests. <i>Wetlands</i> , 2020, 40, 1909-1922.	0.7	11
14	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. <i>Environmental Health Perspectives</i> , 2020, 128, 115001.	2.8	40
15	Bundling innovations to transform agri-food systems. <i>Nature Sustainability</i> , 2020, 3, 974-976.	11.5	85
16	The role of soil carbon in natural climate solutions. <i>Nature Sustainability</i> , 2020, 3, 391-398.	11.5	571
17	Conceptual Links between Landscape Diversity and Diet Diversity: A Roadmap for Transdisciplinary Research. <i>BioScience</i> , 2020, 70, 563-575.	2.2	28
18	Direct evidence using a controlled greenhouse study for threshold effects of soil organic matter on crop growth. <i>Ecological Applications</i> , 2020, 30, e02073.	1.8	36

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19	Supporting evidence varies for rangeland management practices that seek to improve soil properties and forage production in California. <i>California Agriculture</i> , 2020, 74, 101-111.	0.5	2
20	Evidence Synthesis as the Basis for Decision Analysis: A Method of Selecting the Best Agricultural Practices for Multiple Ecosystem Services. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	18
21	Aligning evidence generation and use across health, development, and environment. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 81-93.	3.1	16
22	Soil carbon science for policy and practice. <i>Nature Sustainability</i> , 2019, 2, 1070-1072.	11.5	80
23	Global meta-analysis of the relationship between soil organic matter and crop yields. <i>Soil</i> , 2019, 5, 15-32.	2.2	344
24	Cross-biome patterns in soil microbial respiration predictable from evolutionary theory on thermal adaptation. <i>Nature Ecology and Evolution</i> , 2019, 3, 223-231.	3.4	100
25	Trade and the equitability of global food nutrient distribution. <i>Nature Sustainability</i> , 2018, 1, 34-37.	11.5	107
26	Nutritional functional trait diversity of crops in south-eastern Senegal. <i>Journal of Applied Ecology</i> , 2018, 55, 81-91.	1.9	21
27	Measuring nutritional quality of agricultural production systems: Application to fish production. <i>Global Food Security</i> , 2018, 16, 54-64.	4.0	31
28	Direct effects of soil organic matter on productivity mirror those observed with organic amendments. <i>Plant and Soil</i> , 2018, 423, 363-373.	1.8	77
29	Soil organic matter underlies crop nutritional quality and productivity in smallholder agriculture. <i>Agriculture, Ecosystems and Environment</i> , 2018, 266, 100-108.	2.5	93
30	Leveraging a New Understanding of how Belowground Food Webs Stabilize Soil Organic Matter to Promote Ecological Intensification of Agriculture. , 2018, , 117-136.		9
31	Consequences of tropical forest conversion to oil palm on soil bacterial community and network structure. <i>Soil Biology and Biochemistry</i> , 2017, 112, 258-268.	4.2	60
32	Historical foundations and future directions in macrosystems ecology. <i>Ecology Letters</i> , 2017, 20, 147-157.	3.0	49
33	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	13.7	1,942
34	Is voluntary certification of tropical agricultural commodities achieving sustainability goals for small-scale producers? A review of the evidence. <i>Environmental Research Letters</i> , 2017, 12, 033001.	2.2	158
35	A test of the hierarchical model of litter decomposition. <i>Nature Ecology and Evolution</i> , 2017, 1, 1836-1845.	3.4	172
36	Biodiversity as a multidimensional construct: a review, framework and case study of herbivory's impact on plant biodiversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20153005.	1.2	52

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37	Understanding the dominant controls on litter decomposition. <i>Journal of Ecology</i> , 2016, 104, 229-238.	1.9	409
38	Synergies and trade-offs for sustainable agriculture: Nutritional yields and climate-resilience for cereal crops in Central India. <i>Global Food Security</i> , 2016, 11, 44-53.	4.0	63
39	Opposing effects of different soil organic matter fractions on crop yields. <i>Ecological Applications</i> , 2016, 26, 2072-2085.	1.8	30
40	Soil suitability for the production of rice, groundnut, and cassava in the peri-urban Niayes zone, Senegal. <i>Soil and Tillage Research</i> , 2016, 155, 412-420.	2.6	18
41	Microbial Communities and Processes Under Climate and Land-use Change in the Tropics. , 2016, , 167-184.		0
42	How much SOM is needed for sustainable agriculture?. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 527-527.	1.9	25
43	10 Years Later. <i>Advances in Ecological Research</i> , 2015, 53, 1-53.	1.4	43
44	Biogas Cook Stoves for Healthy and Sustainable Diets? A Case Study in Southern India. <i>Frontiers in Nutrition</i> , 2015, 2, 28.	1.6	30
45	Farm management, not soil microbial diversity, controls nutrient loss from smallholder tropical agriculture. <i>Frontiers in Microbiology</i> , 2015, 6, 90.	1.5	26
46	Functional traits in agriculture: agrobiodiversity and ecosystem services. <i>Trends in Ecology and Evolution</i> , 2015, 30, 531-539.	4.2	274
47	Metrics for land-scarce agriculture. <i>Science</i> , 2015, 349, 238-240.	6.0	171
48	The impact of climate change on agricultural net revenue: a case study in the Fouta Djallon, West Africa. <i>Environment and Development Economics</i> , 2015, 20, 20-36.	1.3	26
49	The effect of mineral and organic nutrient input on yields and nitrogen balances in western Kenya. <i>Agriculture, Ecosystems and Environment</i> , 2015, 214, 10-20.	2.5	20
50	Agricultural intensification and the functional capacity of soil microbes on smallholder African farms. <i>Journal of Applied Ecology</i> , 2015, 52, 744-752.	1.9	42
51	Nutrient Gaps in Changing Food Systems in Rural Africa. <i>European Journal of Nutrition & Food Safety</i> , 2015, 5, 848-849.	0.2	0
52	Climate fails to predict wood decomposition at regional scales. <i>Nature Climate Change</i> , 2014, 4, 625-630.	8.1	281
53	Reply to Byrnes et al.: Aggregation can obscure understanding of ecosystem multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5491.	3.3	15
54	Positive effects of afforestation efforts on the health of urban soils. <i>Forest Ecology and Management</i> , 2014, 313, 266-273.	1.4	51

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55	Smallholder farmer cropping decisions related to climate variability across multiple regions. <i>Global Environmental Change</i> , 2014, 25, 163-172.	3.6	207
56	Measuring nutritional diversity of national food supplies. <i>Global Food Security</i> , 2014, 3, 174-182.	4.0	119
57	Discontinuity in the responses of ecosystem processes and multifunctionality to altered soil community composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14478-14483.	3.3	157
58	Synergies and tradeoffs between cash crop production and food security: a case study in rural Ghana. <i>Food Security</i> , 2014, 6, 541-554.	2.4	103
59	Structural Diversity of Woody Species in the Senegalese Semi-Arid Zone "Ferlo. <i>American Journal of Plant Sciences</i> , 2014, 05, 416-426.	0.3	6
60	Fertilizer type and species composition affect leachate nutrient concentrations in coffee agroecosystems. <i>Agroforestry Systems</i> , 2013, 87, 1083-1100.	0.9	6
61	Organically managed coffee agroforests have larger soil phosphorus but smaller soil nitrogen pools than conventionally managed agroforests. <i>Biogeochemistry</i> , 2013, 115, 385-397.	1.7	15
62	Contingency in ecosystem but not plant community response to multiple global change factors. <i>New Phytologist</i> , 2012, 196, 462-471.	3.5	18
63	Elevated methane concentrations in trees of an upland forest. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	99
64	Mangi teus "teus. <i>Journal of Islamic Marketing</i> , 2010, 1, 203-219.	2.3	1