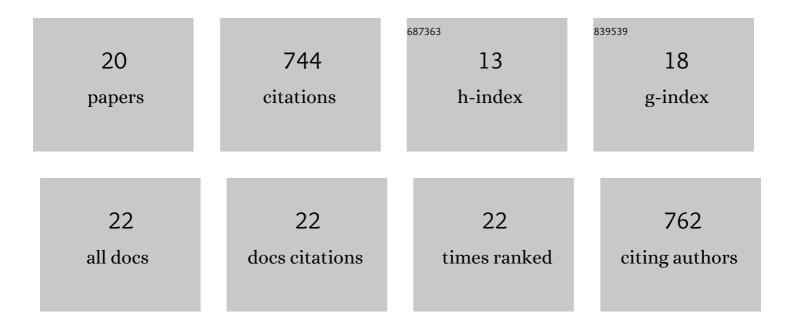
## Steffen A Schweizer

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6935881/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Particulate organic matter as a functional soil component for persistent soil organic carbon. Nature Communications, 2021, 12, 4115.	12.8	225
2	Soil microaggregate size composition and organic matter distribution as affected by clay content. Geoderma, 2019, 355, 113901.	5.1	86
3	Microaggregate stability and storage of organic carbon is affected by clay content in arable Luvisols. Soil and Tillage Research, 2018, 182, 123-129.	5.6	50
4	The role of clay content and mineral surface area for soil organic carbon storage in an arable toposequence. Biogeochemistry, 2021, 156, 401-420.	3.5	50
5	Rapid soil formation after glacial retreat shaped by spatial patterns of organic matter accrual in microaggregates. Global Change Biology, 2018, 24, 1637-1650.	9.5	48
6	Subsoil organo-mineral associations under contrasting climate conditions. Geochimica Et Cosmochimica Acta, 2020, 270, 244-263.	3.9	46
7	Earthworm mucus contributes to the formation of organo-mineral associations in soil. Soil Biology and Biochemistry, 2020, 145, 107785.	8.8	43
8	Initial microaggregate formation: Association of microorganisms to montmorillonite-goethite aggregates under wetting and drying cycles. Geoderma, 2019, 351, 250-260.	5.1	33
9	Wet sieving versus dry crushing: Soil microaggregates reveal different physical structure, bacterial diversity and organic matter composition in a clay gradient. European Journal of Soil Science, 2021, 72, 810-828.	3.9	31
10	Soil structure breakdown following land use change from forest to maize in Northwest Vietnam. Soil and Tillage Research, 2017, 166, 10-17.	5.6	25
11	Impact of organic and conventional farming systems on wheat grain uptake and soil bioavailability of zinc and cadmium. Science of the Total Environment, 2018, 639, 608-616.	8.0	24
12	Agriculture and Food 2050: Visions to Promote Transformation Driven by Science and Society. Journal of Agricultural and Environmental Ethics, 2015, 28, 497-516.	1.7	18
13	Explicit spatial modeling at the pore scale unravels the interplay of soil organic carbon storage and structure dynamics. Global Change Biology, 2022, 28, 4589-4604.	9.5	16
14	Perspectives from the Fritzâ€Scheffer Awardee 2021: Soil organic matter storage and functions determined by patchy and piledâ€up arrangements at the microscale. Journal of Plant Nutrition and Soil Science, 2022, 185, 694-706.	1.9	13
15	Legacy of Rice Roots as Encoded in Distinctive Microsites of Oxides, Silicates, and Organic Matter. Soils, 2017, 1, 2.	1.0	12
16	Susceptibility of new soil organic carbon to mineralization during dry-wet cycling in soils from contrasting ends of a precipitation gradient. Soil Biology and Biochemistry, 2022, 169, 108681.	8.8	11
17	Comparing the physiochemical parameters of three celluloses reveals new insights into substrate suitability for fungal enzyme production. Fungal Biology and Biotechnology, 2017, 4, 10.	5.1	9
18	Responses of soil organic carbon, aggregate diameters, and hydraulic properties to longâ€ŧerm organic and conventional farming on a Vertisol in India. Land Degradation and Development, 2022, 33, 785-797.	3.9	3

#	Article	IF	CITATIONS
19	The ethical matrix as an instrument for teaching and evaluation. , 2012, , 511-516.		1
20	Valuable phosphorus retained by ironstone gravels can be measured as bicarbonate extractable P. Geoderma, 2022, 418, 115862.	5.1	0