

Steffen A Schweizer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6935881/publications.pdf>

Version: 2024-02-01

20
papers

744
citations

687363

13
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

762
citing authors

#	ARTICLE	IF	CITATIONS
1	Particulate organic matter as a functional soil component for persistent soil organic carbon. <i>Nature Communications</i> , 2021, 12, 4115.	12.8	225
2	Soil microaggregate size composition and organic matter distribution as affected by clay content. <i>Geoderma</i> , 2019, 355, 113901.	5.1	86
3	Microaggregate stability and storage of organic carbon is affected by clay content in arable Luvisols. <i>Soil and Tillage Research</i> , 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. <i>Biogeochemistry</i> , 2021, 156, 401-420.	3.5	50
5	Rapid soil formation after glacial retreat shaped by spatial patterns of organic matter accrual in microaggregates. <i>Global Change Biology</i> , 2018, 24, 1637-1650.	9.5	48
6	Subsoil organo-mineral associations under contrasting climate conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 270, 244-263.	3.9	46
7	Earthworm mucus contributes to the formation of organo-mineral associations in soil. <i>Soil Biology and Biochemistry</i> , 2020, 145, 107785.	8.8	43
8	Initial microaggregate formation: Association of microorganisms to montmorillonite-goethite aggregates under wetting and drying cycles. <i>Geoderma</i> , 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. <i>European Journal of Soil Science</i> , 2021, 72, 810-828.	3.9	31
10	Soil structure breakdown following land use change from forest to maize in Northwest Vietnam. <i>Soil and Tillage Research</i> , 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. <i>Science of the Total Environment</i> , 2018, 639, 608-616.	8.0	24
12	Agriculture and Food 2050: Visions to Promote Transformation Driven by Science and Society. <i>Journal of Agricultural and Environmental Ethics</i> , 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. <i>Global Change Biology</i> , 2022, 28, 4589-4604.	9.5	16
14	Perspectives from the Fritzâ€šscheffer Awardee 2021: Soil organic matter storage and functions determined by patchy and piledâ€šcup arrangements at the microscale. <i>Journal of Plant Nutrition and Soil Science</i> , 2022, 185, 694-706.	1.9	13
15	Legacy of Rice Roots as Encoded in Distinctive Microsites of Oxides, Silicates, and Organic Matter. <i>Soils</i> , 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. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108681.	8.8	11
17	Comparing the physiochemical parameters of three celluloses reveals new insights into substrate suitability for fungal enzyme production. <i>Fungal Biology and Biotechnology</i> , 2017, 4, 10.	5.1	9
18	Responses of soil organic carbon, aggregate diameters, and hydraulic properties to longâ€šterm organic and conventional farming on a Vertisol in India. <i>Land Degradation and Development</i> , 2022, 33, 785-797.	3.9	3

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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