Michael Zimmermann

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4866992/publications.pdf

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30	3,506	236925 25	454955 30
papers	citations	h-index	g-index

30	30	30	5309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The knowns, known unknowns and unknowns of sequestration of soil organic carbon. Agriculture, Ecosystems and Environment, 2013, 164, 80-99.	5.3	1,143
2	Microbes do not follow the elevational diversity patterns of plants and animals. Ecology, 2011, 92, 797-804.	3.2	351
3	Measured soil organic matter fractions can be related to pools in the RothC model. European Journal of Soil Science, 2007, 58, 658-667.	3.9	343
4	Soil Security: Solving the Global Soil Crisis. Global Policy, 2013, 4, 434-441.	1.7	219
5	Quantifying soil organic carbon fractions by infrared-spectroscopy. Soil Biology and Biochemistry, 2007, 39, 224-231.	8.8	150
6	Rapid degradation of pyrogenic carbon. Global Change Biology, 2012, 18, 3306-3316.	9.5	136
7	Storage and turnover of carbon in grassland soils along an elevation gradient in the Swiss Alps. Global Change Biology, 2009, 15, 668-679.	9.5	98
8	Ecosystem Carbon Storage Across the Grasslandâ€“Forest Transition in the High Andes of Manu National Park, Peru. Ecosystems, 2010, 13, 1097-1111.	3.4	88
9	Climate dependence of heterotrophic soil respiration from a soilâ€translocation experiment along a 3000 m tropical forest altitudinal gradient. European Journal of Soil Science, 2009, 60, 895-906.	3.9	86
10	Sodium hypochlorite separates an older soil organic matter fraction than acid hydrolysis. Geoderma, 2007, 139, 171-179.	5.1	76
11	No Differences in Soil Carbon Stocks Across the Tree Line in the Peruvian Andes. Ecosystems, 2010, 13, 62-74.	3.4	75
12	Can composition and physical protection of soil organic matter explain soil respiration temperature sensitivity?. Biogeochemistry, 2012, 107, 423-436.	3.5	75
13	Climate Warming and Soil Carbon in Tropical Forests: Insights from an Elevation Gradient in the Peruvian Andes. BioScience, 2015, 65, 906-921.	4.9	75
14	Litter contribution to diurnal and annual soil respiration in a tropical montane cloud forest. Soil Biology and Biochemistry, 2009, 41, 1338-1340.	8.8	70
15	Temporal variation and climate dependence of soil respiration and its components along a 3000 m altitudinal tropical forest gradient. Global Biogeochemical Cycles, 2010, 24, .	4.9	65
16	Relative stability of soil carbon revealed by shifts in Î´¹⁵N and C:N ratio. Biogeosciences, 2008, 5, 123-128.	3.3	62
17	Vertical variations of soil hydraulic properties within two soil profiles and its relevance for soil water simulations. Journal of Hydrology, 2014, 516, 169-181.	5.4	59
18	Contribution of litter layer to soil greenhouse gas emissions in a temperate beech forest. Plant and Soil, 2016, 403, 455-469.	3.7	53

#	Article	IF	Citations
19	Simulating decomposition of labile soil organic carbon: Effects of pH. Soil Biology and Biochemistry, 2008, 40, 2948-2951.	8.8	48
20	Response of Microbial Communities and Their Metabolic Functions to Dryingâ€“Rewetting Stress in a Temperate Forest Soil. Microorganisms, 2019, 7, 129.	3.6	35
21	Charcoal re-combustion efficiency in tropical savannas. Geoderma, 2014, 219-220, 40-45.	5.1	34
22	High resolution short-term investigation of soil CO2, N2O, NOx and NH3 emissions after different chabazite zeolite amendments. Applied Soil Ecology, 2017, 119, 138-144.	4.3	33
23	Temperature sensitivity of tropical forest soil respiration increase along an altitudinal gradient with ongoing decomposition. Geoderma, 2012, 187-188, 8-15.	5.1	32
24	Turnover of Grassland Roots in Mountain Ecosystems Revealed by Their Radiocarbon Signature: Role of Temperature and Management. PLoS ONE, 2015, 10, e0119184.	2.5	30
25	Short-term soil mineral and organic nitrogen fluxes during moderate and severe dryingâ€“rewetting events. Applied Soil Ecology, 2017, 114, 28-33.	4.3	28
26	Fire and climate: contrasting pressures on tropical Andean timberline species. Journal of Biogeography, 2015, 42, 938-950.	3.0	16
27	Directions of preferential flow in a hillslope soil, 1. Quasi-steady flow. Hydrological Processes, 2005, 19, 887-899.	2.6	8
28	Soil Water Repellency and its Impact on Hydraulic Characteristics in a Beech Forest under Simulated Climate Change. Vadose Zone Journal, 2015, 14, 1-11.	2.2	8
29	WATER BALANCE APPROACH TO THE IN SITU ESTIMATION OF VOLUME FLUX DENSITIES USING SLANTED TDR WAVE GUIDES. Soil Science, 2005, 170, 3-12.	0.9	7
30	Current developments in soil ecotoxicology and the need for strengthening soil ecotoxicology in Europe: results of a stakeholder workshop. Environmental Sciences Europe, 2018, 30, 49.	5.5	3