

# Wenting Feng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3922752/publications.pdf>

Version: 2024-02-01

35  
papers

2,091  
citations

331670

21  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil organic carbon dynamics jointly controlled by climate, carbon inputs, soil properties and soil carbon fractions. <i>Global Change Biology</i> , 2017, 23, 4430-4439.	9.5	328
2	Improving estimates of maximal organic carbon stabilization by fine soil particles. <i>Biogeochemistry</i> , 2013, 112, 81-93.	3.5	179
3	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. <i>Global Change Biology</i> , 2017, 23, 1328-1337.	9.5	154
4	Global stocks and capacity of mineral-associated soil organic carbon. <i>Nature Communications</i> , 2022, 13, .	12.8	146
5	The Millennial model: in search of measurable pools and transformations for modeling soil carbon in the new century. <i>Biogeochemistry</i> , 2018, 137, 51-71.	3.5	139
6	Agroforestry systems: Meta-analysis of soil carbon stocks, sequestration processes, and future potentials. <i>Land Degradation and Development</i> , 2018, 29, 3886-3897.	3.9	137
7	Variation in forest soil fungal diversity along a latitudinal gradient. <i>Fungal Diversity</i> , 2014, 64, 305-315.	12.3	126
8	Soil organic matter stability in organo-mineral complexes as a function of increasing C loading. <i>Soil Biology and Biochemistry</i> , 2014, 69, 398-405.	8.8	101
9	Climate, soil texture, and soil types affect the contributions of fine-fraction-stabilized carbon to total soil organic carbon in different land uses across China. <i>Journal of Environmental Management</i> , 2016, 172, 2-9.	7.8	82
10	Enhanced decomposition of stable soil organic carbon and microbial catabolic potentials by long-term field warming. <i>Global Change Biology</i> , 2017, 23, 4765-4776.	9.5	74
11	Soil properties rather than climate and ecosystem type control the vertical variations of soil organic carbon, microbial carbon, and microbial quotient. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107905.	8.8	71
12	Above- and belowground carbon inputs affect seasonal variations of soil microbial biomass in a subtropical monsoon forest of southwest China. <i>Soil Biology and Biochemistry</i> , 2009, 41, 978-983.	8.8	66
13	Soil organic carbon stabilization mechanisms in a subtropical mangrove and salt marsh ecosystems. <i>Science of the Total Environment</i> , 2019, 673, 502-510.	8.0	65
14	Plant carbon inputs and environmental factors strongly affect soil respiration in a subtropical forest of southwestern China. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1000-1007.	8.8	61
15	Methodological uncertainty in estimating carbon turnover times of soil fractions. <i>Soil Biology and Biochemistry</i> , 2016, 100, 118-124.	8.8	42
16	Testing for soil carbon saturation behavior in agricultural soils receiving long-term manure amendments. <i>Canadian Journal of Soil Science</i> , 2014, 94, 281-294.	1.2	36
17	Application of flue gas desulfurization gypsum improves multiple functions of saline-sodic soils across China. <i>Chemosphere</i> , 2021, 277, 130345.	8.2	33
18	Different responses of soil organic carbon fractions to additions of nitrogen. <i>European Journal of Soil Science</i> , 2018, 69, 1098-1104.	3.9	29

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19	How much carbon can be added to soil by sorption?. <i>Biogeochemistry</i> , 2021, 152, 127-142.	3.5	27
20	Soil organic carbon saturation deficit under primary agricultural managements across major croplands in China. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	3.1	24
21	Tundra microbial community taxa and traits predict decomposition parameters of stable, old soil organic carbon. <i>ISME Journal</i> , 2019, 13, 2901-2915.	9.8	24
22	Responses of soil organic and inorganic carbon vary at different soil depths after long-term agricultural cultivation in Northwest China. <i>Land Degradation and Development</i> , 2019, 30, 1229-1242.	3.9	20
23	Formation efficiency of soil organic matter from plant litter is governed by clay mineral type more than plant litter quality. <i>Geoderma</i> , 2022, 412, 115727.	5.1	20
24	Divergent vertical distributions of microbial biomass with soil depth among groups and land uses. <i>Journal of Environmental Management</i> , 2021, 292, 112755.	7.8	19
25	Dynamics of labile soil organic carbon during the development of mangrove and salt marsh ecosystems. <i>Ecological Indicators</i> , 2021, 129, 107875.	6.3	16
26	Modeling the dynamics of protected and primed organic carbon in soil and aggregates under constant soil moisture following litter incorporation. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108039.	8.8	14
27	Shifting sources of soil labile organic carbon after termination of plant carbon inputs in a subtropical moist forest of southwest China. <i>Ecological Research</i> , 2011, 26, 437-444.	1.5	12
28	Contrasting responses of soil fungal communities and soil respiration to the above- and below-ground plant C inputs in a subtropical forest. <i>European Journal of Soil Science</i> , 2019, 70, 751-764.	3.9	10
29	Thermal Stability of Goethite-Bound Natural Organic Matter Is Impacted by Carbon Loading. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12790-12796.	2.5	7
30	Soil mono- and disaccharides and amino acids as influenced by plant litter and root processes in a subtropical moist forest of southwest China. <i>Biogeochemistry</i> , 2009, 92, 119-128.	3.5	6
31	Millennia-old organic carbon in a boreal paleosol: chemical properties and their link to mineralizable carbon fraction. <i>Journal of Soils and Sediments</i> , 2016, 16, 85-94.	3.0	6
32	Vertical distributions of soil microbial biomass carbon: a global dataset. <i>Data in Brief</i> , 2020, 32, 106147.	1.0	6
33	Towards improved modeling of SOC decomposition: soil water potential beyond the wilting point. <i>Global Change Biology</i> , 2022, 28, 3665-3673.	9.5	5
34	Litter and microclimate controls on soil heterotrophic respiration after converting seasonal rainforests to rubber plantations in tropical China. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108623.	4.8	3
35	The importance and requirement of belowground carbon inputs for robust estimation of soil organic carbon dynamics: Reply to Keel et al. (2017). <i>Global Change Biology</i> , 2018, 24, e397-e398.	9.5	2