

Quanchao Zeng

List of Publications by Year in descending order

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78
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#	ARTICLE	IF	CITATIONS
1	Plant and soil elemental C:N:P ratios are linked to soil microbial diversity during grassland restoration on the Loess Plateau, China. <i>Science of the Total Environment</i> , 2022, 806, 150557.	8.0	22
2	Suppressed phosphorus-mineralizing bacteria after three decades of fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2022, 323, 107679.	5.3	15
3	Disentangling drivers of soil microbial nutrient limitation in intensive agricultural and natural ecosystems. <i>Science of the Total Environment</i> , 2022, 806, 150555.	8.0	13
4	Intensive citrus plantations suppress the microbial profiles of the β -glucosidase gene. <i>Agriculture, Ecosystems and Environment</i> , 2022, 323, 107687.	5.3	9
5	Increasing contribution of microbial residues to soil organic carbon in grassland restoration chronosequence. <i>Soil Biology and Biochemistry</i> , 2022, 170, 108688.	8.8	62
6	Response of cbbL-harboring microorganisms to precipitation changes in a naturally-restored grassland. <i>Science of the Total Environment</i> , 2022, 838, 156191.	8.0	4
7	Metabolic pathways of CO ₂ fixing microorganisms determined C-fixation rates in grassland soils along the precipitation gradient. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108764.	8.8	18
8	Changes in the soil microbial communities of different soil aggregations after vegetation restoration in a semiarid grassland, China. <i>Soil Ecology Letters</i> , 2021, 3, 6-21.	4.5	7
9	Decoupled diversity patterns in microbial geographic distributions on the arid area (the Loess) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.6	25
10	Response of soil fungal community composition and functions on the alteration of precipitation in the grassland of Loess Plateau. <i>Science of the Total Environment</i> , 2021, 751, 142273.	8.0	29
11	Effects of forest floor characteristics on soil labile carbon as varied by topography and vegetation type in the Chinese Loess Plateau. <i>Catena</i> , 2021, 196, 104825.	5.0	26
12	Identifying the Biogeographic Patterns of Rare and Abundant Bacterial Communities Using Different Primer Sets on the Loess Plateau. <i>Microorganisms</i> , 2021, 9, 139.	3.6	43
13	Nutrients of green and senesced leaves of a <i>Robinia pseudoacacia</i> plantation along a latitudinal gradient on the Loess Plateau, China. <i>Journal of Forestry Research</i> , 2021, 32, 2499-2506.	3.6	2
14	Newly assimilated carbon allocation in grassland communities under different grazing enclosure times. <i>Biology and Fertility of Soils</i> , 2021, 57, 563-574.	4.3	10
15	Cover Cropping Impacts Soil Microbial Communities and Functions in Mango Orchards. <i>Agriculture (Switzerland)</i> , 2021, 11, 343.	3.1	8
16	A Novel Index (RI) to Evaluate the Relative Stability of Soils Using Ultrasonic Agitation. <i>Sustainability</i> , 2021, 13, 4229.	3.2	3
17	Short-term effect of manure and straw application on bacterial and fungal community compositions and abundances in an acidic paddy soil. <i>Journal of Soils and Sediments</i> , 2021, 21, 3057-3071.	3.0	13
18	Plant litter quality regulates soil eco-enzymatic stoichiometry and microbial nutrient limitation in a citrus orchard. <i>Plant and Soil</i> , 2021, 466, 179-191.	3.7	19

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19	Linkage between soil ectoenzyme stoichiometry ratios and microbial diversity following the conversion of cropland into grassland. <i>Agriculture, Ecosystems and Environment</i> , 2021, 314, 107418.	5.3	30
20	Root derived C rather than root biomass contributes to the soil organic carbon sequestration in grassland soils with different fencing years. <i>Plant and Soil</i> , 2021, 469, 161-172.	3.7	4
21	Evaluating aggregate stability of soils under different plant species in Ziwuling Mountain area using three renowned methods. <i>Catena</i> , 2021, 207, 105616.	5.0	13
22	Belowground allocation and fate of tree assimilates in plantâ€“soilâ€“microorganisms system: 13C labeling and tracing under field conditions. <i>Geoderma</i> , 2021, 404, 115296.	5.1	9
23	Heavy Metal Contents and Assessment of Soil Contamination in Different Land-Use Types in the Qaidam Basin. <i>Sustainability</i> , 2021, 13, 12020.	3.2	20
24	Soil Rehabilitation Promotes Resilient Microbiome with Enriched Keystone Taxa than Agricultural Infestation in Barren Soils on the Loess Plateau. <i>Biology</i> , 2021, 10, 1261.	2.8	4
25	Response and driving factors of soil microbial diversity related to global nitrogen addition. <i>Land Degradation and Development</i> , 2020, 31, 190-204.	3.9	60
26	Passive and active ecological restoration strategies for abandoned farmland leads to shifts in potential soil nitrogen loss by denitrification and soil denitrifying microbes. <i>Land Degradation and Development</i> , 2020, 31, 1086-1098.	3.9	20
27	Plant and soil traits driving soil fungal community due to tree plantation on the Loess Plateau. <i>Science of the Total Environment</i> , 2020, 708, 134560.	8.0	33
28	Effects of different vegetation restoration measures on soil aggregate stability and erodibility on the Loess Plateau, China. <i>Catena</i> , 2020, 185, 104294.	5.0	88
29	Climate and soil properties regulate soil fungal communities on the Loess Plateau. <i>Pedobiologia</i> , 2020, 81-82, 150668.	1.2	16
30	How C:N:P stoichiometry in soils and plants responds to succession in <i>Robinia pseudoacacia</i> forests on the Loess Plateau, China. <i>Forest Ecology and Management</i> , 2020, 475, 118394.	3.2	35
31	The distribution of soil microbial parameters based on aggregate fractions in successional grassland restoration ecosystems on the Loess Plateau. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	1
32	Root cellulose drives soil fulvic acid carbon sequestration in the grassland restoration process. <i>Catena</i> , 2020, 191, 104575.	5.0	21
33	Comparison of soil microbial community between planted woodland and natural grass vegetation on the Loess Plateau. <i>Forest Ecology and Management</i> , 2020, 460, 117817.	3.2	31
34	Using soil aggregate stability and erodibility to evaluate the sustainability of large-scale afforestation of <i>Robinia pseudoacacia</i> and <i>Caragana korshinskii</i> in the Loess Plateau. <i>Forest Ecology and Management</i> , 2019, 450, 117491.	3.2	33
35	Response of forest species to C:N:P in the plant-litter-soil system and stoichiometric homeostasis of plant tissues during afforestation on the Loess Plateau, China. <i>Catena</i> , 2019, 183, 104186.	5.0	66
36	The local environment regulates biogeographic patterns of soil fungal communities on the Loess Plateau. <i>Catena</i> , 2019, 183, 104220.	5.0	28

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37	Plant functional diversity drives carbon storage following vegetation restoration in Loess Plateau, China. <i>Journal of Environmental Management</i> , 2019, 246, 668-678.	7.8	19
38	Fast bacterial succession associated with the decomposition of <i>Quercus wutaishanica</i> litter on the Loess Plateau. <i>Biogeochemistry</i> , 2019, 144, 119-131.	3.5	17
39	Biogeography and the driving factors affecting forest soil bacteria in an arid area. <i>Science of the Total Environment</i> , 2019, 680, 124-131.	8.0	62
40	Above-Ground Biomass Models of <i>Caragana korshinskii</i> and <i>Sophora viciifolia</i> in the Loess Plateau, China. <i>Sustainability</i> , 2019, 11, 1674.	3.2	5
41	Geographic distance and soil microbial biomass carbon drive biogeographical distribution of fungal communities in Chinese Loess Plateau soils. <i>Science of the Total Environment</i> , 2019, 660, 1058-1069.	8.0	36
42	Ecological stoichiometry in leaves, roots, litters and soil among different plant communities in a desertified region of Northern China. <i>Catena</i> , 2018, 166, 328-338.	5.0	138
43	The restoration age of <i>Robinia pseudoacacia</i> plantation impacts soil microbial biomass and microbial community structure in the Loess Plateau. <i>Catena</i> , 2018, 165, 192-200.	5.0	56
44	Testing association between soil bacterial diversity and soil carbon storage on the Loess Plateau. <i>Science of the Total Environment</i> , 2018, 626, 48-58.	8.0	53
45	Abiotic and biotic factors modulate plant biomass and root/shoot (R/S) ratios in grassland on the Loess Plateau, China. <i>Science of the Total Environment</i> , 2018, 636, 621-631.	8.0	28
46	Soil enzyme activities and microbial biomass response to crop types on the terraces of the Loess Plateau, China. <i>Journal of Soils and Sediments</i> , 2018, 18, 1971-1980.	3.0	28
47	Soil physicochemical and microbial characteristics of contrasting land-use types along soil depth gradients. <i>Catena</i> , 2018, 162, 345-353.	5.0	67
48	Changes in Soil Organic Carbon and Total Nitrogen at a Small Watershed Scale as the Result of Land Use Conversion on the Loess Plateau. <i>Sustainability</i> , 2018, 10, 4757.	3.2	26
49	Characteristics of soil enzyme activities and microbial biomass carbon and nitrogen under different vegetation zones on the Loess Plateau, China. <i>Arid Land Research and Management</i> , 2018, 32, 438-454.	1.6	10
50	The Biogeographical Distribution of Soil Bacterial Communities in the Loess Plateau as Revealed by High-Throughput Sequencing. <i>Frontiers in Microbiology</i> , 2018, 9, 2456.	3.5	35
51	Soil aggregate stability under different rain conditions for three vegetation types on the Loess Plateau (China). <i>Catena</i> , 2018, 167, 276-283.	5.0	74
52	Changes of Soil Microbiological Properties during Grass Litter Decomposition in Loess Hilly Region, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1797.	2.6	7
53	Dynamics of soil nitrogen fractions and their relationship with soil microbial communities in two forest species of northern China. <i>PLoS ONE</i> , 2018, 13, e0196567.	2.5	12
54	Spatial pattern and heterogeneity of soil moisture along a transect in a small catchment on the Loess Plateau. <i>Journal of Hydrology</i> , 2017, 550, 466-477.	5.4	34

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55	Impact of vegetation restoration on plants and soil C:N:P stoichiometry on the Yunwu Mountain Reserve of China. <i>Ecological Engineering</i> , 2017, 109, 92-100.	3.6	45
56	Soil bacterial community response to vegetation succession after fencing in the grassland of China. <i>Science of the Total Environment</i> , 2017, 609, 2-10.	8.0	143
57	Environmental driving factors affecting plant biomass in natural grassland in the Loess Plateau, China. <i>Ecological Indicators</i> , 2017, 82, 250-259.	6.3	30
58	How Fencing Affects the Soil Quality and Plant Biomass in the Grassland of the Loess Plateau. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1117.	2.6	13
59	Links between Soil Fungal Diversity and Plant and Soil Properties on the Loess Plateau. <i>Frontiers in Microbiology</i> , 2017, 8, 2198.	3.5	94
60	Soil, Leaf and Root Ecological Stoichiometry of <i>Caragana korshinskii</i> on the Loess Plateau of China in Relation to Plantation Age. <i>PLoS ONE</i> , 2017, 12, e0168890.	2.5	43
61	Impact of litter quantity on the soil bacteria community during the decomposition of <i>Quercus wutaishanica</i> litter. <i>PeerJ</i> , 2017, 5, e3777.	2.0	20
62	Soil and plant components ecological stoichiometry in four steppe communities in the Loess Plateau of China. <i>Catena</i> , 2016, 147, 481-488.	5.0	77
63	Bacterial Community Responses to Soils along a Latitudinal and Vegetation Gradient on the Loess Plateau, China. <i>PLoS ONE</i> , 2016, 11, e0152894.	2.5	86
64	Soil organic carbon sequestration in relation to revegetation on the Loess Plateau, China. <i>Plant and Soil</i> , 2015, 397, 31-42.	3.7	34
65	Effects of slope aspect on soil nitrogen and microbial properties in the Chinese Loess region. <i>Catena</i> , 2015, 125, 135-145.	5.0	117
66	Soil aggregation and intra-aggregate carbon fractions in relation to vegetation succession on the Loess Plateau, China. <i>Catena</i> , 2015, 124, 77-84.	5.0	102
67	Plant functional traits and soil microbial biomass in different vegetation zones on the Loess Plateau. <i>Journal of Plant Interactions</i> , 2014, 9, 889-900.	2.1	17
68	Revegetation as an efficient means of increasing soil aggregate stability on the Loess Plateau (China). <i>Geoderma</i> , 2013, 209-210, 75-85.	5.1	157
69	Soil nitrogen distributions for different land uses and landscape positions in a small watershed on Loess Plateau, China. <i>Ecological Engineering</i> , 2013, 60, 204-213.	3.6	39
70	Effects of Revegetation on Soil Microbial Biomass, Enzyme Activities, and Nutrient Cycling on the Loess Plateau in China. <i>Restoration Ecology</i> , 2013, 21, 600-607.	2.9	38
71	Changes in soil nitrogen and microbial activity during <i>Robinia pseudoacacia</i> recovery period in the Loess Hilly-Gully region. <i>Chinese Journal of Eco-Agriculture</i> , 2012, 20, 322-329.	0.1	2
72	Changes in soil properties across a chronosequence of vegetation restoration on the Loess Plateau of China. <i>Catena</i> , 2011, 86, 110-116.	5.0	165

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73	Changes in microbial community structure with depth and time in a chronosequence of restored grassland soils on the Loess Plateau in northwest China. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 765-774.	1.9	31
74	Soil aggregation, aggregate stability, organic carbon and nitrogen in different soil aggregate fractions under forest and shrub vegetation on the Loess Plateau, China. <i>Catena</i> , 2010, 81, 226-233.	5.0	226
75	Soil microbial parameters and stability of soil aggregate fractions under different grassland communities on the Loess Plateau, China. <i>Biologia (Poland)</i> , 2009, 64, 424-427.	1.5	23
76	Evaluation of soil microbial indices along a revegetation chronosequence in grassland soils on the Loess Plateau, Northwest China. <i>Applied Soil Ecology</i> , 2009, 41, 286-292.	4.3	112
77	Soil quality degradation processes along a deforestation chronosequence in the Ziwuling area, China. <i>Catena</i> , 2008, 75, 248-256.	5.0	87
78	Aggregate Characteristics During Natural Revegetation on the Loess Plateau. <i>Pedosphere</i> , 2008, 18, 809-816.	4.0	37