

# Chiu-Yu Chiu

## List of Publications by Year in descending order

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91  
papers

2,134  
citations

218381

26  
h-index

288905

40  
g-index

99  
all docs

99  
docs citations

99  
times ranked

2444  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impacts of the hydraulic retention effect and typhoon disturbance on the carbon flux in shallow subtropical mountain lakes. <i>Science of the Total Environment</i> , 2022, 803, 150044.	3.9	12
2	Functional response of the soil microbial community to biochar applications. <i>GCB Bioenergy</i> , 2021, 13, 269-281.	2.5	56
3	Influence of Thermal Stratification on Seasonal Net Ecosystem Production and Dissolved Inorganic Carbon in a Shallow Subtropical Lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005907.	1.3	13
4	Soil bacterial communities at the treeline in subtropical alpine areas. <i>Catena</i> , 2021, 201, 105205.	2.2	7
5	Composition and Activity of N <sub>2</sub> -Fixing Microorganisms in Mangrove Forest Soils. <i>Forests</i> , 2021, 12, 822.	0.9	5
6	Dynamics of Methane in Mangrove Forest: Will It Worsen with Decreasing Mangrove Forests?. <i>Forests</i> , 2021, 12, 1204.	0.9	6
7	Aquatic microbial community is partially functionally redundant: Insights from an in situ reciprocal transplant experiment. <i>Science of the Total Environment</i> , 2021, 786, 147433.	3.9	3
8	Biogeographic Changes in Forest Soil Microbial Communities of Offshore Islands—A Case Study of Remote Islands in Taiwan. <i>Forests</i> , 2021, 12, 4.	0.9	4
9	Sequestration of P fractions in the soils of an incipient ferralite chronosequence on a humid tropical volcanic island. , 2021, 62, 20.		1
10	Improvements in Soil C and N Compositions After 40 and 80 Years of Reforestation in Subtropical Low Mountain Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005598.	1.3	1
11	Niche Differentiation of Active Methane-Oxidizing Bacteria in Estuarine Mangrove Forest Soils in Taiwan. <i>Microorganisms</i> , 2020, 8, 1248.	1.6	12
12	Biogeochemical Processes of C and N in the Soil of Mangrove Forest Ecosystems. <i>Forests</i> , 2020, 11, 492.	0.9	32
13	Assessing Impacts of Metallic Contamination along the Tidal Gradient of a Riverine Mangrove: Multi-metal Bioaccumulation and Biomagnification of Filter-Feeding Bivalves. <i>Forests</i> , 2020, 11, 504.	0.9	8
14	Terrestrial loads of dissolved organic matter drive inter-annual carbon flux in subtropical lakes during times of drought. <i>Science of the Total Environment</i> , 2020, 717, 137052.	3.9	19
15	Response of Humic Acids and Soil Organic Matter to Vegetation Replacement in Subtropical High Mountain Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3727-3736.	1.3	0
16	Structure and Diversity of Soil Bacterial Communities in Offshore Islands. <i>Scientific Reports</i> , 2019, 9, 4689.	1.6	20
17	The influences of thorny bamboo growth on the bacterial community in badland soils of southwestern Taiwan. <i>Land Degradation and Development</i> , 2018, 29, 2728-2738.	1.8	3
18	Bacterial Community in Water and Air of Two Sub-Alpine Lakes in Taiwan. <i>Microbes and Environments</i> , 2018, 33, 120-126.	0.7	17

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19	Community Structure of Active Aerobic Methanotrophs in Red Mangrove ( <i>Kandelia obovata</i> ) Soils Under Different Frequency of Tides. <i>Microbial Ecology</i> , 2018, 75, 761-770.	1.4	30
20	Replacement of natural hardwood forest with planted bamboo and cedar in a humid subtropical mountain affects soil microbial community. <i>Applied Soil Ecology</i> , 2018, 124, 146-154.	2.1	15
21	Characterization of Phosphorus in Subtropical Coastal Sand Dune Forest Soils. <i>Forests</i> , 2018, 9, 710.	0.9	5
22	Effects of Reforestation on the Structure and Diversity of Bacterial Communities in Subtropical Low Mountain Forest Soils. <i>Frontiers in Microbiology</i> , 2018, 9, 1968.	1.5	10
23	Phylogenetically distinct methanotrophs modulate methane oxidation in rice paddies across Taiwan. <i>Soil Biology and Biochemistry</i> , 2018, 124, 59-69.	4.2	63
24	Characterization of Phosphorus in a Toposequence of Subtropical Perhumid Forest Soils Facing a Subalpine Lake. <i>Forests</i> , 2018, 9, 294.	0.9	7
25	Cedar and bamboo plantations alter structure and diversity of the soil bacterial community from a hardwood forest in subtropical mountain. <i>Applied Soil Ecology</i> , 2017, 112, 28-33.	2.1	29
26	Improvement in the biochemical and chemical properties of badland soils by thorny bamboo. <i>Scientific Reports</i> , 2017, 7, 40561.	1.6	21
27	Assessing N <sub>2</sub> fixation in estuarine mangrove soils. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 189, 84-89.	0.9	12
28	<sup>13</sup> C NMR spectroscopy characterization of particle-size fractionated soil organic carbon in subalpine forest and grassland ecosystems. , 2017, 58, 23.		9
29	Water salinity effects on growth and nitrogen assimilation rate of mangrove ( <i>Kandelia candel</i> ) seedlings. <i>Aquatic Botany</i> , 2017, 137, 50-55.	0.8	23
30	Effects of temperature on the composition and diversity of bacterial communities in bamboo soils at different elevations. <i>Biogeosciences</i> , 2017, 14, 4879-4889.	1.3	23
31	Soil Microbial Communities in Natural and Managed Cloud Montane Forests. <i>Forests</i> , 2017, 8, 33.	0.9	14
32	Changes in Soil Biochemical Properties in a Cedar Plantation Invaded by Moso Bamboo. <i>Forests</i> , 2017, 8, 222.	0.9	26
33	The Effect of Re-Planting Trees on Soil Microbial Communities in a Wildfire-Induced Subalpine Grassland. <i>Forests</i> , 2017, 8, 385.	0.9	6
34	Absence of winter and spring monsoon changes water level and rapidly shifts metabolism in a subtropical lake. <i>Inland Waters</i> , 2016, 6, 436-448.	1.1	9
35	Effect of 40 and 80 Years of Conifer Regrowth on Soil Microbial Activities and Community Structure in Subtropical Low Mountain Forests. <i>Forests</i> , 2016, 7, 244.	0.9	15
36	Invasion of moso bamboo into a Japanese cedar plantation affects the chemical composition and humification of soil organic matter. <i>Scientific Reports</i> , 2016, 6, 32211.	1.6	36

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37	Factors Influencing Removal of Sewage Nitrogen Through Denitrification in Mangrove Soils. Wetlands, 2016, 36, 621-630.	0.7	21
38	Forms and distribution of phosphorus in a placic podzolic toposequence in a subtropical subalpine forest, Taiwan. Catena, 2016, 140, 145-154.	2.2	10
39	Elevation gradient of soil bacterial communities in bamboo plantations. , 2016, 57, 8.		7
40	The effect of altitudinal gradient on soil microbial community activity and structure in moso bamboo plantations. Applied Soil Ecology, 2016, 98, 213-220.	2.1	44
41	Humic Acid Composition and Characteristics of Soil Organic Matter in Relation to the Elevation Gradient of Moso Bamboo Plantations. PLoS ONE, 2016, 11, e0162193.	1.1	16
42	Great fraction of dissolved organic C and N in the primary per-humid Chamaecyparis forest soil. , 2015, 56, 27.		0
43	Changes of soil bacterial communities in bamboo plantations at different elevations. FEMS Microbiology Ecology, 2015, 91, .	1.3	33
44	Changes in soil microbial community structure and activity in a cedar plantation invaded by moso bamboo. Applied Soil Ecology, 2015, 91, 1-7.	2.1	68
45	Assessing the effects of severe rainstorm-induced mixing on a subtropical, subalpine lake. Environmental Monitoring and Assessment, 2014, 186, 3091-3114.	1.3	12
46	Changes in the Soil Bacterial Communities in a Cedar Plantation Invaded by Moso Bamboo. Microbial Ecology, 2014, 67, 421-429.	1.4	62
47	Composition of bacterial communities in sand dunes of subtropical coastal forests. Biology and Fertility of Soils, 2014, 50, 809-814.	2.3	18
48	Comparison of soil bacterial communities in a natural hardwood forest and coniferous plantations in perhumid subtropical low mountains. , 2014, 55, 50.		20
49	Soluble organic C and N and their relationships with soil organic C and N and microbial characteristics in moso bamboo ( <i>Phyllostachys edulis</i> ) plantations along an elevation gradient in Central Taiwan. Journal of Soils and Sediments, 2014, 14, 1061-1070.	1.5	29
50	Characterization of soil organic matter in perhumid natural cypress forest: comparison of humification in different particle-size fractions. , 2013, 54, 56.		8
51	Comparison of soil bacterial communities between coastal and inland forests in a subtropical area. Applied Soil Ecology, 2012, 60, 49-55.	2.1	18
52	The influences of typhoon-induced mixing in a shallow lake. Lakes and Reservoirs: Research and Management, 2012, 17, 171-183.	0.6	4
53	<sup>13</sup> C-NMR spectroscopy studies of humic substances in subtropical perhumid montane forest soil. Journal of Forest Research, 2012, 17, 458-467.	0.7	18
54	Effects of weather-related episodic events in lakes: an analysis based on high-frequency data. Freshwater Biology, 2012, 57, 589-601.	1.2	135

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55	Real-time observation and prediction of physical processes in a typhoon-affected lake. <i>Paddy and Water Environment</i> , 2012, 10, 17-30.	1.0	11
56	Metabolic changes and the resistance and resilience of a subtropical heterotrophic lake to typhoon disturbance. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 768-780.	0.7	25
57	Soil bacterial communities in native and regenerated perhumid montane forests. <i>Applied Soil Ecology</i> , 2011, 47, 111-118.	2.1	27
58	Soil microbial communities and activities in sand dunes of subtropical coastal forests. <i>Applied Soil Ecology</i> , 2011, 49, 256-262.	2.1	22
59	Effects of afforestation on soil organic matter characteristics under subtropical forests with low elevation. <i>Journal of Forest Research</i> , 2011, 16, 275-283.	0.7	21
60	Change in Bacterial Community Structure in Response to Disturbance of Natural Hardwood and Secondary Coniferous Forest Soils in Central Taiwan. <i>Microbial Ecology</i> , 2011, 61, 429-437.	1.4	35
61	Bacterial Community Diversity in Undisturbed Perhumid Montane Forest Soils in Taiwan. <i>Microbial Ecology</i> , 2010, 59, 369-378.	1.4	43
62	Seasonal and Episodic Lake Mixing Stimulate Differential Planktonic Bacterial Dynamics. <i>Microbial Ecology</i> , 2010, 59, 546-554.	1.4	31
63	Bacterial community of very wet and acidic subalpine forest and fire-induced grassland soils. <i>Plant and Soil</i> , 2010, 332, 417-427.	1.8	9
64	Influence of typhoons on annual CO <sub>2</sub> flux from a subtropical, humid lake. <i>Global Change Biology</i> , 2009, 15, 243-254.	4.2	23
65	Relationships Between Soil Mass Movement and Relief in Humid Subtropical Low-Elevation Mountains. <i>Soil Science</i> , 2009, 174, 563-573.	0.9	8
66	Seasonal dynamics, typhoons and the regulation of lake metabolism in a subtropical humid lake. <i>Freshwater Biology</i> , 2008, 53, 1929-1941.	1.2	56
67	Differences in the composition and diversity of bacterial communities from agricultural and forest soils. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1294-1305.	4.2	105
68	Typhoons initiate predictable change in aquatic bacterial communities. <i>Limnology and Oceanography</i> , 2008, 53, 1319-1326.	1.6	73
69	Clay mineralogical characterization of a toposequence of perhumid subalpine forest soils in northeastern Taiwan. <i>Geoderma</i> , 2007, 138, 177-184.	2.3	16
70	Particle size fractionation of fungal and bacterial biomass in subalpine grassland and forest soils. <i>Geoderma</i> , 2006, 130, 265-271.	2.3	48
71	LOW-MOLECULAR-WEIGHT ORGANIC ACID EXUDATION OF RAPE (BRASSICA CAMPESTRIS) ROOTS IN CESIUM-CONTAMINATED SOILS. <i>Soil Science</i> , 2005, 170, 726-733.	0.9	17
72	Seasonal dynamics of soil microbial biomass in coastal sand dune forest. <i>Pedobiologia</i> , 2005, 49, 645-653.	0.5	67

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73	Characterization of phosphorus in sub-alpine forest and adjacent grassland soils by chemical extraction and phosphorus-31 nuclear magnetic resonance spectroscopy. <i>Pedobiologia</i> , 2005, 49, 655-663.	0.5	11
74	Denitrification associated N loss in mangrove soil. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 69, 185-189.	1.1	28
75	Characterization of soil organic matter in different particle-size fractions in humid subalpine soils by CP/MAS <sup>13</sup> C NMR. <i>Geoderma</i> , 2003, 117, 129-141.	2.3	97
76	Physical and chemical properties in rhizosphere and bulk soils of <i>Tsuga</i> and <i>Yushania</i> in a temperate rain forest. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 1723-1735.	0.6	12
77	Topographical and seasonal effects on soil fungal and bacterial activity in subtropical, perhumid, primary and regenerated montane forests. <i>Soil Biology and Biochemistry</i> , 2002, 34, 711-720.	4.2	16
78	Spectral features of humic substances in a perhumid subtropical montane forest ecosystem, Taiwan. <i>Soil Science and Plant Nutrition</i> , 2001, 47, 179-185.	0.8	3
79	Title is missing!. <i>Plant and Soil</i> , 2001, 231, 37-44.	1.8	58
80	Microbial distribution and function across wheat rhizosphere with oxamide and ammonium sulfate as N sources. <i>Soil Science and Plant Nutrition</i> , 2000, 46, 787-796.	0.8	3
81	Effect of topography on the composition of soil organic substances in a perhumid sub-tropical montane forest ecosystem in Taiwan. <i>Geoderma</i> , 2000, 96, 19-30.	2.3	34
82	Distribution of the radionuclide <sup>137</sup> Cs in the soils of a wet mountainous forest in Taiwan. <i>Applied Radiation and Isotopes</i> , 1999, 50, 1097-1103.	0.7	25
83	Transfer of <sup>137</sup> Cs from soil to plants in a wet montane forest in subtropical Taiwan. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1999, 239, 511-515.	0.7	15
84	Barley growth in response to potassium fertilization of soil with long term application of sewage sludge. <i>Soil Science and Plant Nutrition</i> , 1999, 45, 499-504.	0.8	13
85	The toxicity of Cu on the seedlings of a mangrove ( <i>Kandelia candel</i> ) in the presence of NaCl. , 1997, , 129-130.		0
86	Oxidation in the rhizosphere of mangrove <i>Kandelia candel</i> seedlings. <i>Soil Science and Plant Nutrition</i> , 1993, 39, 725-731.	0.8	25
87	Distribution of Cu and Zn in soils and mangroves ( <i>Kandelia candel</i> ) in a polluted estuary. , 1993, , 783-786.		0
88	The distribution and influence of heavy metals in mangrove forests of the Tamshui Estuary in Taiwan. <i>Soil Science and Plant Nutrition</i> , 1991, 37, 659-669.	0.8	49
89	Estimation of N <sub>2</sub> fixation of soybean by comparison of different <sup>15</sup> N labeling methods. <i>Soil Science and Plant Nutrition</i> , 1990, 36, 383-388.	0.8	1
90	Estimation of N <sub>2</sub> fixation in soybean and cowpea by using soil residual <sup>15</sup> N. <i>Soil Science and Plant Nutrition</i> , 1990, 36, 375-381.	0.8	6

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91	Evaluation of N <sub>2</sub> fixation by applying <sup>15</sup> N labeled plant material and ammonium sulfate. Soil Science and Plant Nutrition, 1989, 35, 651-657.	0.8	4