

Chiu-Yu Chiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5670288/publications.pdf>

Version: 2024-02-01

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 | Effects of weather-related episodic events in lakes: an analysis based on high-frequency data. <i>Freshwater Biology</i> , 2012, 57, 589-601. | 1.2 | 135 |
| 2 | 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 |
| 3 | Characterization of soil organic matter in different particle-size fractions in humid subalpine soils by CP/MAS ¹³ C NMR. <i>Geoderma</i> , 2003, 117, 129-141. | 2.3 | 97 |
| 4 | Typhoons initiate predictable change in aquatic bacterial communities. <i>Limnology and Oceanography</i> , 2008, 53, 1319-1326. | 1.6 | 73 |
| 5 | Changes in soil microbial community structure and activity in a cedar plantation invaded by moso bamboo. <i>Applied Soil Ecology</i> , 2015, 91, 1-7. | 2.1 | 68 |
| 6 | Seasonal dynamics of soil microbial biomass in coastal sand dune forest. <i>Pedobiologia</i> , 2005, 49, 645-653. | 0.5 | 67 |
| 7 | Phylogenetically distinct methanotrophs modulate methane oxidation in rice paddies across Taiwan. <i>Soil Biology and Biochemistry</i> , 2018, 124, 59-69. | 4.2 | 63 |
| 8 | Changes in the Soil Bacterial Communities in a Cedar Plantation Invaded by Moso Bamboo. <i>Microbial Ecology</i> , 2014, 67, 421-429. | 1.4 | 62 |
| 9 | Title is missing!. <i>Plant and Soil</i> , 2001, 231, 37-44. | 1.8 | 58 |
| 10 | Seasonal dynamics, typhoons and the regulation of lake metabolism in a subtropical humic lake. <i>Freshwater Biology</i> , 2008, 53, 1929-1941. | 1.2 | 56 |
| 11 | Functional response of the soil microbial community to biochar applications. <i>GCB Bioenergy</i> , 2021, 13, 269-281. | 2.5 | 56 |
| 12 | 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 |
| 13 | Particle size fractionation of fungal and bacterial biomass in subalpine grassland and forest soils. <i>Geoderma</i> , 2006, 130, 265-271. | 2.3 | 48 |
| 14 | The effect of altitudinal gradient on soil microbial community activity and structure in moso bamboo plantations. <i>Applied Soil Ecology</i> , 2016, 98, 213-220. | 2.1 | 44 |
| 15 | Bacterial Community Diversity in Undisturbed Perhumid Montane Forest Soils in Taiwan. <i>Microbial Ecology</i> , 2010, 59, 369-378. | 1.4 | 43 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Changes of soil bacterial communities in bamboo plantations at different elevations. <i>FEMS Microbiology Ecology</i> , 2015, 91, . | 1.3 | 33 |
| 20 | Biogeochemical Processes of C and N in the Soil of Mangrove Forest Ecosystems. <i>Forests</i> , 2020, 11, 492. | 0.9 | 32 |
| 21 | Seasonal and Episodic Lake Mixing Stimulate Differential Planktonic Bacterial Dynamics. <i>Microbial Ecology</i> , 2010, 59, 546-554. | 1.4 | 31 |
| 22 | 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 |
| 23 | 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. <i>Journal of Soils and Sediments</i> , 2014, 14, 1061-1070. | 1.5 | 29 |
| 24 | 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 |
| 25 | Denitrification associated N loss in mangrove soil. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 69, 185-189. | 1.1 | 28 |
| 26 | Soil bacterial communities in native and regenerated perhumid montane forests. <i>Applied Soil Ecology</i> , 2011, 47, 111-118. | 2.1 | 27 |
| 27 | Changes in Soil Biochemical Properties in a Cedar Plantation Invaded by Moso Bamboo. <i>Forests</i> , 2017, 8, 222. | 0.9 | 26 |
| 28 | 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 |
| 29 | Distribution of the radionuclide ¹³⁷ Cs in the soils of a wet mountainous forest in Taiwan. <i>Applied Radiation and Isotopes</i> , 1999, 50, 1097-1103. | 0.7 | 25 |
| 30 | 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 |
| 31 | Influence of typhoons on annual CO ₂ flux from a subtropical, humic lake. <i>Global Change Biology</i> , 2009, 15, 243-254. | 4.2 | 23 |
| 32 | 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 |
| 33 | 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 |
| 34 | Soil microbial communities and activities in sand dunes of subtropical coastal forests. <i>Applied Soil Ecology</i> , 2011, 49, 256-262. | 2.1 | 22 |
| 35 | 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 |
| 36 | Factors Influencing Removal of Sewage Nitrogen Through Denitrification in Mangrove Soils. <i>Wetlands</i> , 2016, 36, 621-630. | 0.7 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Improvement in the biochemical and chemical properties of badland soils by thorny bamboo. <i>Scientific Reports</i> , 2017, 7, 40561. | 1.6 | 21 |
| 38 | Comparison of soil bacterial communities in a natural hardwood forest and coniferous plantations in perhumid subtropical low mountains. , 2014, 55, 50. | | 20 |
| 39 | Structure and Diversity of Soil Bacterial Communities in Offshore Islands. <i>Scientific Reports</i> , 2019, 9, 4689. | 1.6 | 20 |
| 40 | 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 |
| 41 | Comparison of soil bacterial communities between coastal and inland forests in a subtropical area. <i>Applied Soil Ecology</i> , 2012, 60, 49-55. | 2.1 | 18 |
| 42 | ¹³ C-NMR spectroscopy studies of humic substances in subtropical perhumid montane forest soil. <i>Journal of Forest Research</i> , 2012, 17, 458-467. | 0.7 | 18 |
| 43 | Composition of bacterial communities in sand dunes of subtropical coastal forests. <i>Biology and Fertility of Soils</i> , 2014, 50, 809-814. | 2.3 | 18 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | Clay mineralogical characterization of a toposequence of perhumid subalpine forest soils in northeastern Taiwan. <i>Geoderma</i> , 2007, 138, 177-184. | 2.3 | 16 |
| 48 | Humic Acid Composition and Characteristics of Soil Organic Matter in Relation to the Elevation Gradient of Moso Bamboo Plantations. <i>PLoS ONE</i> , 2016, 11, e0162193. | 1.1 | 16 |
| 49 | Transfer of ¹³⁷ 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | Soil Microbial Communities in Natural and Managed Cloud Montane Forests. <i>Forests</i> , 2017, 8, 33. | 0.9 | 14 |
| 53 | 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 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | Assessing the effects of severe rainstorm-induced mixing on a subtropical, subalpine lake. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3091-3114. | 1.3 | 12 |
| 57 | Assessing N ₂ fixation in estuarine mangrove soils. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 189, 84-89. | 0.9 | 12 |
| 58 | Niche Differentiation of Active Methane-Oxidizing Bacteria in Estuarine Mangrove Forest Soils in Taiwan. <i>Microorganisms</i> , 2020, 8, 1248. | 1.6 | 12 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | Forms and distribution of phosphorus in a placic podzolic toposequence in a subtropical subalpine forest, Taiwan. <i>Catena</i> , 2016, 140, 145-154. | 2.2 | 10 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | ¹³ C NMR spectroscopy characterization of particle-size fractionated soil organic carbon in subalpine forest and grassland ecosystems. , 2017, 58, 23. | | 9 |
| 67 | Relationships Between Soil Mass Movement and Relief in Humid Subtropical Low-Elevation Mountains. <i>Soil Science</i> , 2009, 174, 563-573. | 0.9 | 8 |
| 68 | Characterization of soil organic matter in perhumid natural cypress forest: comparison of humification in different particle-size fractions. , 2013, 54, 56. | | 8 |
| 69 | 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 |
| 70 | Elevation gradient of soil bacterial communities in bamboo plantations. , 2016, 57, 8. | | 7 |
| 71 | Characterization of Phosphorus in a Toposequence of Subtropical Perhumid Forest Soils Facing a Subalpine Lake. <i>Forests</i> , 2018, 9, 294. | 0.9 | 7 |
| 72 | Soil bacterial communities at the treeline in subtropical alpine areas. <i>Catena</i> , 2021, 201, 105205. | 2.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Estimation of N ₂ fixation in soybean and cowpea by using soil residual ¹⁵ N. <i>Soil Science and Plant Nutrition</i> , 1990, 36, 375-381. | 0.8 | 6 |
| 74 | 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 |
| 75 | Dynamics of Methane in Mangrove Forest: Will It Worsen with Decreasing Mangrove Forests?. <i>Forests</i> , 2021, 12, 1204. | 0.9 | 6 |
| 76 | Characterization of Phosphorus in Subtropical Coastal Sand Dune Forest Soils. <i>Forests</i> , 2018, 9, 710. | 0.9 | 5 |
| 77 | Composition and Activity of N ₂ -Fixing Microorganisms in Mangrove Forest Soils. <i>Forests</i> , 2021, 12, 822. | 0.9 | 5 |
| 78 | Evaluation of N ₂ fixation by applying ¹⁵ N labeled plant material and ammonium sulfate. <i>Soil Science and Plant Nutrition</i> , 1989, 35, 651-657. | 0.8 | 4 |
| 79 | The influences of typhoon-induced mixing in a shallow lake. <i>Lakes and Reservoirs: Research and Management</i> , 2012, 17, 171-183. | 0.6 | 4 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | Estimation of N ₂ fixation of soybean by comparison of different ¹⁵ N labeling methods. <i>Soil Science and Plant Nutrition</i> , 1990, 36, 383-388. | 0.8 | 1 |
| 86 | 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 |
| 87 | Sequestration of P fractions in the soils of an incipient ferraliation chronosequence on a humid tropical volcanic island. , 2021, 62, 20. | | 1 |
| 88 | Great fraction of dissolved organic C and N in the primary per-humid Chamaecyparis forest soil. , 2015, 56, 27. | | 0 |
| 89 | 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 |
| 90 | Distribution of Cu and Zn in soils and mangroves (<i>Kandelia candel</i>) in a polluted estuary. , 1993, , 783-786. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 91 | The toxicity of Cu on the seedlings of a mangrove (<i>Kandelia candel</i>) in the presence of NaCl. , 1997, , 129-130. | | 0 |