

Changhui Peng

List of Publications by Year in descending order

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Version: 2024-02-01

153
papers

7,178
citations

71102

41
h-index

66911

78
g-index

153
all docs

153
docs citations

153
times ranked

9616
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A drought-induced pervasive increase in tree mortality across Canada's boreal forests. <i>Nature Climate Change</i> , 2011, 1, 467-471. | 18.8 | 653 |
| 2 | High carbon dioxide uptake by subtropical forest ecosystems in the East Asian monsoon region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4910-4915. | 7.1 | 403 |
| 3 | A model-data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 274 |
| 4 | Carbon sequestration by Chinese bamboo forests and their ecological benefits: assessment of potential, problems, and future challenges. <i>Environmental Reviews</i> , 2011, 19, 418-428. | 4.5 | 252 |
| 5 | A model-data intercomparison of CO ₂ exchange across North America: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 247 |
| 6 | Towards a universal model for carbon dioxide uptake by plants. <i>Nature Plants</i> , 2017, 3, 734-741. | 9.3 | 237 |
| 7 | Effect of Drought on Agronomic Traits of Rice and Wheat: A Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 839. | 2.6 | 208 |
| 8 | Global satellite monitoring of climate-induced vegetation disturbances. <i>Trends in Plant Science</i> , 2015, 20, 114-123. | 8.8 | 183 |
| 9 | TRIPLEX: a generic hybrid model for predicting forest growth and carbon and nitrogen dynamics. <i>Ecological Modelling</i> , 2002, 153, 109-130. | 2.5 | 175 |
| 10 | Past and future carbon sequestration benefits of China's grain for green program. <i>Global Environmental Change</i> , 2017, 47, 13-20. | 7.8 | 161 |
| 11 | Methane emissions from the surface of the Three Gorges Reservoir. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 150 |
| 12 | Chinese Grain for Green Program led to highly increased soil organic carbon levels: A meta-analysis. <i>Scientific Reports</i> , 2014, 4, 4460. | 3.3 | 137 |
| 13 | The Global N ₂ O Model Intercomparison Project. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1231-1251. | 3.3 | 123 |
| 14 | Dynamic allocation and transfer of non-structural carbohydrates, a possible mechanism for the explosive growth of Moso bamboo (<i>Phyllostachys heterocycla</i>). <i>Scientific Reports</i> , 2016, 6, 25908. | 3.3 | 118 |
| 15 | Soil GHG fluxes are altered by N deposition: New data indicate lower N stimulation of the N ₂ O flux and greater stimulation of the calculated C pools. <i>Global Change Biology</i> , 2020, 26, 2613-2629. | 9.5 | 115 |
| 16 | Drivers of soil microbial metabolic limitation changes along a vegetation restoration gradient on the Loess Plateau, China. <i>Geoderma</i> , 2019, 353, 188-200. | 5.1 | 114 |
| 17 | Does growing vegetables in plastic greenhouses enhance regional ecosystem services beyond the food supply?. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 43-49. | 4.0 | 110 |
| 18 | The carbon flux of global rivers: A re-evaluation of amount and spatial patterns. <i>Ecological Indicators</i> , 2017, 80, 40-51. | 6.3 | 106 |

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|----|--|------|-----------|
| 19 | Phosphorus and nitrogen physiology of two contrasting poplar genotypes when exposed to phosphorus and/or nitrogen starvation. <i>Tree Physiology</i> , 2016, 36, 22-38. | 3.1 | 103 |
| 20 | Application of machine-learning methods in forest ecology: recent progress and future challenges. <i>Environmental Reviews</i> , 2018, 26, 339-350. | 4.5 | 90 |
| 21 | A global meta-analysis of changes in soil carbon, nitrogen, phosphorus and sulfur, and stoichiometric shifts after forestation. <i>Plant and Soil</i> , 2016, 407, 323-340. | 3.7 | 87 |
| 22 | Integrating models with data in ecology and palaeoecology: advances towards a model-data fusion approach. <i>Ecology Letters</i> , 2011, 14, 522-536. | 6.4 | 80 |
| 23 | Dynamics of vegetation autumn phenology and its response to multiple environmental factors from 1982 to 2012 on Qinghai-Tibetan Plateau in China. <i>Science of the Total Environment</i> , 2018, 637-638, 855-864. | 8.0 | 76 |
| 24 | Modelling the impacts of climate and land use changes on soil water erosion: Model applications, limitations and future challenges. <i>Journal of Environmental Management</i> , 2019, 250, 109403. | 7.8 | 76 |
| 25 | Characterizing the performance of ecosystem models across time scales: A spectral analysis of the North American Carbon Program site-level synthesis. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 72 |
| 26 | Contrasting Soil Bacterial Community, Diversity, and Function in Two Forests in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1693. | 3.5 | 72 |
| 27 | CO ₂ and CO ₂ fluxes of the metropolitan river network in relation to the urbanization of Chongqing, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 470-486. | 3.0 | 71 |
| 28 | Photosynthetic responses to altitude: an explanation based on optimality principles. <i>New Phytologist</i> , 2017, 213, 976-982. | 7.3 | 71 |
| 29 | From plant functional types to plant functional traits. <i>Progress in Physical Geography</i> , 2015, 39, 514-535. | 3.2 | 70 |
| 30 | Model prediction of biome-specific global soil respiration from 1960 to 2012. <i>Earth's Future</i> , 2017, 5, 715-729. | 6.3 | 60 |
| 31 | Quantifying leaf-trait covariation and its controls across climates and biomes. <i>New Phytologist</i> , 2019, 221, 155-168. | 7.3 | 60 |
| 32 | Nitrogen addition increased CO ₂ uptake more than non-CO ₂ greenhouse gases emissions in a Moso bamboo forest. <i>Science Advances</i> , 2020, 6, eaaw5790. | 10.3 | 60 |
| 33 | Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO ₂ fertilization. <i>Nature Geoscience</i> , 2019, 12, 809-814. | 12.9 | 58 |
| 34 | Leaf δ ¹³ C reflects ecosystem patterns and responses of alpine plants to the environments on the Tibetan Plateau. <i>Ecography</i> , 2008, 31, 499-508. | 4.5 | 57 |
| 35 | Estimating global natural wetland methane emissions using process modelling: spatio-temporal patterns and contributions to atmospheric methane fluctuations. <i>Global Ecology and Biogeography</i> , 2015, 24, 959-972. | 5.8 | 53 |
| 36 | Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355. | 9.5 | 50 |

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|----|--|------|-----------|
| 37 | General allometric equations and biomass allocation of <i>Pinus massoniana</i> trees on a regional scale in southern China. <i>Ecological Research</i> , 2011, 26, 697-711. | 1.5 | 48 |
| 38 | Changes in carbon, nutrients and stoichiometric relations under different soil depths, plant tissues and ages in black locust plantations. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2951-2964. | 2.1 | 48 |
| 39 | Modeling Global Soil Carbon and Soil Microbial Carbon by Integrating Microbial Processes into the Ecosystem Process Model <sc>TRIPLEX</sc>. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2368-2384. | 3.8 | 47 |
| 40 | The significant contribution of lake depth in regulating global lake diffusive methane emissions. <i>Water Research</i> , 2020, 172, 115465. | 11.3 | 47 |
| 41 | Relationship between Air Pollutants and Economic Development of the Provincial Capital Cities in China during the Past Decade. <i>PLoS ONE</i> , 2014, 9, e104013. | 2.5 | 46 |
| 42 | Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. <i>Water Research</i> , 2021, 190, 116738. | 11.3 | 43 |
| 43 | Quantification of soil respiration in forest ecosystems across China. <i>Atmospheric Environment</i> , 2014, 94, 546-551. | 4.1 | 42 |
| 44 | Carbon accumulation and sequestration of lakes in China during the Holocene. <i>Global Change Biology</i> , 2015, 21, 4436-4448. | 9.5 | 42 |
| 45 | Modeling the effects of precipitation and temperature patterns on agricultural drought in China from 1949 to 2015. <i>Science of the Total Environment</i> , 2020, 711, 135139. | 8.0 | 42 |
| 46 | Positive responses of belowground C dynamics to nitrogen enrichment in China. <i>Science of the Total Environment</i> , 2018, 616-617, 1035-1044. | 8.0 | 41 |
| 47 | Qinghai“tibetan plateau peatland sustainable utilization under anthropogenic disturbances and climate change. <i>Ecosystem Health and Sustainability</i> , 2017, 3, . | 3.1 | 40 |
| 48 | CH4 concentrations and fluxes in a subtropical metropolitan river network: Watershed urbanization impacts and environmental controls. <i>Science of the Total Environment</i> , 2018, 622-623, 1079-1089. | 8.0 | 40 |
| 49 | Comparison of methane emissions among invasive and native mangrove species in Dongzhaigang, Hainan Island. <i>Science of the Total Environment</i> , 2019, 697, 133945. | 8.0 | 40 |
| 50 | Factors Affecting the Spatial and Temporal Variations in Soil Erodibility of China. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 737-749. | 2.8 | 40 |
| 51 | Degradation of lignin and cellulose during foliar litter decomposition in an alpine forest river. <i>Ecosphere</i> , 2016, 7, e01523. | 2.2 | 39 |
| 52 | Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. <i>Global Biogeochemical Cycles</i> , 2019, 33, 668-689. | 4.9 | 38 |
| 53 | The effects of plant diversity on nitrous oxide emissions in hydroponic microcosms. <i>Atmospheric Environment</i> , 2013, 77, 544-547. | 4.1 | 37 |
| 54 | Estimates and Predictions of Methane Emissions from Wastewater in China from 2000 to 2020. <i>Earth's Future</i> , 2018, 6, 252-263. | 6.3 | 37 |

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|----|---|-----|-----------|
| 55 | Carbon and Water Use Efficiencies: A Comparative Analysis of Ten Terrestrial Ecosystem Models under Changing Climate. <i>Scientific Reports</i> , 2019, 9, 14680. | 3.3 | 37 |
| 56 | Quantification of the response of global terrestrial net primary production to multifactor global change. <i>Ecological Indicators</i> , 2017, 76, 245-255. | 6.3 | 36 |
| 57 | Multi-scale temporal variation of methane flux and its controls in a subtropical tidal salt marsh in eastern China. <i>Biogeochemistry</i> , 2018, 137, 163-179. | 3.5 | 36 |
| 58 | Spatial and temporal variations of N ₂ O emissions from global forest and grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2019, 266-267, 129-139. | 4.8 | 36 |
| 59 | Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901–2005. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1372-1393. | 3.0 | 35 |
| 60 | Foliar litter decomposition in an alpine forest meta-ecosystem on the eastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2016, 566-567, 279-287. | 8.0 | 34 |
| 61 | Modeling Global Riverine DOC Flux Dynamics From 1951 to 2015. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 514-530. | 3.8 | 34 |
| 62 | Responses of peat carbon at different depths to simulated warming and oxidizing. <i>Science of the Total Environment</i> , 2016, 548-549, 429-440. | 8.0 | 32 |
| 63 | Global response of terrestrial gross primary productivity to climate extremes. <i>Science of the Total Environment</i> , 2021, 750, 142337. | 8.0 | 32 |
| 64 | Decadal trends in the seasonal-cycle amplitude of terrestrial CO ₂ exchange resulting from the ensemble of terrestrial biosphere models. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 28968. | 1.6 | 31 |
| 65 | Soil properties and species composition under different grazing intensity in an alpine meadow on the eastern Tibetan Plateau, China. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 678. | 2.7 | 31 |
| 66 | Temporal–spatial pattern of organic carbon sequestration by Chinese lakes since 1850. <i>Limnology and Oceanography</i> , 2018, 63, 1283-1297. | 3.1 | 30 |
| 67 | Physiological and transcriptional regulation in poplar roots and leaves during acclimation to high temperature and drought. <i>Physiologia Plantarum</i> , 2016, 157, 38-53. | 5.2 | 29 |
| 68 | Individual and combined effects of multiple global change drivers on terrestrial phosphorus pools: A meta-analysis. <i>Science of the Total Environment</i> , 2018, 630, 181-188. | 8.0 | 29 |
| 69 | Early-spring soil warming partially offsets the enhancement of alpine grassland aboveground productivity induced by warmer growing seasons on the Qinghai-Tibetan Plateau. <i>Plant and Soil</i> , 2018, 425, 177-188. | 3.7 | 29 |
| 70 | Interannual variation in methane emissions from tropical wetlands triggered by repeated El Niño Southern Oscillation. <i>Global Change Biology</i> , 2017, 23, 4706-4716. | 9.5 | 28 |
| 71 | Modeling and estimating aboveground biomass of <i>Dacrydium pierrei</i> in China using machine learning with climate change. <i>Journal of Environmental Management</i> , 2019, 234, 167-179. | 7.8 | 28 |
| 72 | Warming-induced global soil carbon loss attenuated by downward carbon movement. <i>Global Change Biology</i> , 2020, 26, 7242-7254. | 9.5 | 28 |

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|----|---|------|-----------|
| 73 | Change in Autumn Vegetation Phenology and the Climate Controls From 1982 to 2012 on the Qinghai-Tibet Plateau. <i>Frontiers in Plant Science</i> , 2019, 10, 1677. | 3.6 | 27 |
| 74 | Dynamic allometric scaling of tree biomass and size. <i>Nature Plants</i> , 2021, 7, 42-49. | 9.3 | 27 |
| 75 | Quantifying the Effects of Vegetation Restorations on the Soil Erosion Export and Nutrient Loss on the Loess Plateau. <i>Frontiers in Plant Science</i> , 2020, 11, 573126. | 3.6 | 24 |
| 76 | Effects of elevated sulfate concentration on the mobility of arsenic in the sediment-water interface. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 311-320. | 6.0 | 22 |
| 77 | Structural and functional differentiation of the microbial community in the surface and subsurface peat of two minerotrophic fens in China. <i>Plant and Soil</i> , 2019, 437, 21-40. | 3.7 | 22 |
| 78 | Effects of Topographic and Soil Factors on Woody Species Assembly in a Chinese Subtropical Evergreen Broadleaved Forest. <i>Forests</i> , 2015, 6, 650-669. | 2.1 | 20 |
| 79 | Study type and plant litter identity modulating the response of litter decomposition to warming, elevated CO ₂ , and elevated O ₃ : A meta-analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 441-451. | 3.0 | 20 |
| 80 | Comparative analyses of different biogenic CO ₂ emission accounting systems in life cycle assessment. <i>Science of the Total Environment</i> , 2019, 652, 1456-1462. | 8.0 | 20 |
| 81 | Applying an artificial neural network to simulate and predict Chinese fir (<i>Cunninghamia lanceolata</i>) plantation carbon flux in subtropical China. <i>Ecological Modelling</i> , 2014, 294, 19-26. | 2.5 | 19 |
| 82 | A novel approach for modelling vegetation distributions and analysing vegetation sensitivity through trait-climate relationships in China. <i>Scientific Reports</i> , 2016, 6, 24110. | 3.3 | 19 |
| 83 | The Effects of Drought and Re-Watering on Non-Structural Carbohydrates of <i>Pinus tabulaeformis</i> Seedlings. <i>Biology</i> , 2021, 10, 281. | 2.8 | 19 |
| 84 | Assessment of frozen ground organic carbon pool on the Qinghai-Tibet Plateau. <i>Journal of Soils and Sediments</i> , 2019, 19, 128-139. | 3.0 | 18 |
| 85 | Focus on quality, not just quantity. <i>Nature</i> , 2011, 475, 267-267. | 27.8 | 17 |
| 86 | Spatial patterns of leaf $\delta^{13}C$ and its relationship with plant functional groups and environmental factors in China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1564-1575. | 3.0 | 17 |
| 87 | Effects of vegetation restoration on soil nutrients, plant diversity, and its spatiotemporal heterogeneity in a desert-oasis ecotone. <i>Land Degradation and Development</i> , 2021, 32, 670-683. | 3.9 | 17 |
| 88 | The Spatial and Temporal Distribution of Dissolved Organic Carbon Exported from Three Chinese Rivers to the China Sea. <i>PLoS ONE</i> , 2016, 11, e0165039. | 2.5 | 17 |
| 89 | Roles of <i>Koelerutera bipinnata</i> as a suitable accumulator tree species in remediating Mn, Zn, Pb, and Cd pollution on Mn mining wastelands in southern China. <i>Environmental Earth Sciences</i> , 2015, 74, 4549-4559. | 2.7 | 16 |
| 90 | Tillage activates iron to prevent soil organic carbon loss following forest conversion to cornfields in tropical acidic red soils. <i>Science of the Total Environment</i> , 2021, 761, 143253. | 8.0 | 16 |

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|-----|--|-----|-----------|
| 91 | Nitrogen addition decreases methane uptake caused by methanotroph and methanogen imbalances in a Moso bamboo forest. <i>Scientific Reports</i> , 2021, 11, 5578. | 3.3 | 16 |
| 92 | Global vegetation biomass production efficiency constrained by models and observations. <i>Global Change Biology</i> , 2020, 26, 1474-1484. | 9.5 | 15 |
| 93 | A Process-Based Model Integrating Remote Sensing Data for Evaluating Ecosystem Services. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002451. | 3.8 | 15 |
| 94 | Effects of enclosure time on the community composition of methanotrophs in the soils of the Inner Mongolia grasslands. <i>Journal of Soils and Sediments</i> , 2016, 16, 1022-1031. | 3.0 | 14 |
| 95 | Process-based <i>TRIPLEX</i> GHG model for simulating N_2O emissions from global forests and grasslands: Model development and evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2079-2102. | 3.8 | 14 |
| 96 | Hydrologic and Edaphic Controls on Soil Carbon Emission in Dongting Lake Floodplain, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3088-3097. | 3.0 | 14 |
| 97 | Effects of Land Cover Changes on Net Primary Productivity in the Terrestrial Ecosystems of China from 2001 to 2012. <i>Land</i> , 2020, 9, 480. | 2.9 | 14 |
| 98 | Effect of Urbanization on Ecosystem Service Values in the Beijing-Tianjin-Hebei Urban Agglomeration of China from 2000 to 2014. <i>Sustainability</i> , 2020, 12, 10233. | 3.2 | 14 |
| 99 | New coupled model used inversely for reconstructing past terrestrial carbon storage from pollen data: validation of model using modern data. <i>Global Change Biology</i> , 2009, 15, 82-96. | 9.5 | 13 |
| 100 | Marginal effects of silvicultural treatments on soil nutrients following harvest in a Chinese fir plantation. <i>Soil Science and Plant Nutrition</i> , 2009, 55, 523-531. | 1.9 | 13 |
| 101 | Towards a paradigm for open and free sharing of scientific data on global change science in china. <i>Ecosystem Health and Sustainability</i> , 2016, 2, . | 3.1 | 13 |
| 102 | Climate-driven increase of natural wetland methane emissions offset by human-induced wetland reduction in China over the past three decades. <i>Scientific Reports</i> , 2016, 6, 38020. | 3.3 | 13 |
| 103 | Simulated effects of nitrogen saturation on the global carbon budget using the IBIS model. <i>Scientific Reports</i> , 2016, 6, 39173. | 3.3 | 13 |
| 104 | Modeling Gross Primary Production of a Typical Coastal Wetland in China Using MODIS Time Series and CO ₂ Eddy Flux Tower Data. <i>Remote Sensing</i> , 2018, 10, 708. | 4.0 | 13 |
| 105 | Assessment of biomass utilization potential of <i>Caragana korshinskii</i> and its effect on carbon sequestration on the Northern Shaanxi Loess Plateau, China. <i>Land Degradation and Development</i> , 2020, 31, 53-64. | 3.9 | 13 |
| 106 | A Review of General Methods for Quantifying and Estimating Urban Trees and Biomass. <i>Forests</i> , 2022, 13, 616. | 2.1 | 13 |
| 107 | Variation in runoff with age of Chinese fir plantations in Central South China. <i>Hydrological Processes</i> , 2008, 22, 4870-4876. | 2.6 | 12 |
| 108 | Simulations of runoff and evapotranspiration in Chinese fir plantation ecosystems using artificial neural networks. <i>Ecological Modelling</i> , 2012, 226, 71-76. | 2.5 | 12 |

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|-----|---|-----|-----------|
| 109 | Allocation Mechanisms of Non-Structural Carbohydrates of Robinia pseudoacacia L. Seedlings in Response to Drought and Waterlogging. <i>Forests</i> , 2018, 9, 754. | 2.1 | 12 |
| 110 | Analysis of vegetation dynamics and climatic variability impacts on greenness across Canada using remotely sensed data from 2000 to 2009. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083666. | 1.3 | 11 |
| 111 | Correcting the overestimate of forest biomass carbon on the national scale. <i>Methods in Ecology and Evolution</i> , 2016, 7, 447-455. | 5.2 | 11 |
| 112 | Trait-Based Climate Change Predictions of Vegetation Sensitivity and Distribution in China. <i>Frontiers in Plant Science</i> , 2019, 10, 908. | 3.6 | 11 |
| 113 | High uncertainties detected in the wetlands distribution of the Qinghai-Tibet Plateau based on multisource data. <i>Landscape and Ecological Engineering</i> , 2020, 16, 47-61. | 1.5 | 11 |
| 114 | Integrating global socio-economic influences into a regional land use change model for China. <i>Frontiers of Earth Science</i> , 2014, 8, 81-92. | 2.1 | 10 |
| 115 | Integrating a model with remote sensing observations by a data assimilation approach to improve the model simulation accuracy of carbon flux and evapotranspiration at two flux sites. <i>Science China Earth Sciences</i> , 2016, 59, 337-348. | 5.2 | 9 |
| 116 | Tree species effects on fine root decomposition and nitrogen release in subtropical forests in southern China. <i>Plant Ecology and Diversity</i> , 2012, 5, 323-331. | 2.4 | 8 |
| 117 | Variation in Soil Methane Fluxes and Comparison between Two Forests in China. <i>Forests</i> , 2018, 9, 204. | 2.1 | 7 |
| 118 | Effect of Grazing Intensities on Soil N ₂ O Emissions from an Alpine Meadow of Zoige Plateau in China. <i>Atmosphere</i> , 2021, 12, 541. | 2.3 | 7 |
| 119 | Response of Vegetation Photosynthetic Phenology to Urbanization in Dongting Lake Basin, China. <i>Remote Sensing</i> , 2021, 13, 3722. | 4.0 | 7 |
| 120 | Application of the ecosystem model and Markov Chain Monte Carlo for parameter estimation and productivity prediction. <i>Ecosphere</i> , 2015, 6, art270. | 2.2 | 6 |
| 121 | The Effect of the Conversion from Natural Broadleaved Forests into Chinese fir (<i>Cunninghamia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Forests</i> , 2022, 13, 158. | 2.1 | 6 |
| 122 | Recent advances in carbon footprint studies of urban ecosystems: overview, application, and future challenges. <i>Environmental Reviews</i> , 2022, 30, 342-356. | 4.5 | 6 |
| 123 | Long-term changes in tree basal area across the boreal zone, Canada. <i>Ecoscience</i> , 2014, 21, 232-241. | 1.4 | 5 |
| 124 | Soil Carbon Dioxide Fluxes from Three Forest Types of the Tropical Montane Rainforest on Hainan Island, China. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 2.4 | 5 |
| 125 | Holocene peatland development and carbon stock of Zoige peatlands, Tibetan Plateau: a modeling approach. <i>Journal of Soils and Sediments</i> , 2018, 18, 2032-2043. | 3.0 | 5 |
| 126 | Changes in soil organic carbon and microbial carbon storage projected during the 21st century using TRIPLEX-MICROBE. <i>Ecological Indicators</i> , 2019, 98, 80-87. | 6.3 | 5 |

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|-----|---|-----|-----------|
| 127 | Application of machine learning methods for paleoclimatic reconstructions from leaf traits. <i>International Journal of Climatology</i> , 2021, 41, E3249. | 3.5 | 5 |
| 128 | Evaluation of Future Impacts of Climate Change, CO ₂ , and Land Use Cover Change on Global Net Primary Productivity Using a Processed Model. <i>Land</i> , 2021, 10, 365. | 2.9 | 5 |
| 129 | Leaf Trait Covariation and Its Controls: A Quantitative Data Analysis Along a Subtropical Elevation Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006378. | 3.0 | 5 |
| 130 | Quantifying Leaf Trait Covariations and Their Relationships with Plant Adaptation Strategies along an Aridity Gradient. <i>Biology</i> , 2021, 10, 1066. | 2.8 | 5 |
| 131 | Climate Change Will Reduce the Carbon Use Efficiency of Terrestrial Ecosystems on the Qinghai-Tibet Plateau: An Analysis Based on Multiple Models. <i>Forests</i> , 2021, 12, 12. | 2.1 | 5 |
| 132 | Nitrous oxide emissions from three temperate forest types in the Qinling Mountains, China. <i>Journal of Forestry Research</i> , 2019, 30, 1417-1427. | 3.6 | 4 |
| 133 | Simulation of dissolved organic carbon concentrations and fluxes in Chinese monsoon forest ecosystems using a modified TRIPLEX-DOC model. <i>Science of the Total Environment</i> , 2019, 697, 134054. | 8.0 | 4 |
| 134 | The Characteristics and Seasonal Variation of Methane Fluxes From an Alpine Wetland in the Qinghai Lake watershed, China. <i>Wetlands</i> , 2021, 41, 1. | 1.5 | 4 |
| 135 | Analysis and Prediction of Expansion of Central Cities Based on Nighttime Light Data in Hunan Province, China. <i>Sustainability</i> , 2021, 13, 11982. | 3.2 | 4 |
| 136 | Monitoring the impact of aerosol contamination on the drought-induced decline of gross primary productivity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 36, 30-40. | 2.8 | 3 |
| 137 | Data supporting assessment for nitrous oxide emissions from soils under traditional cropland and apple orchard in the Loess Plateau of China. <i>Data in Brief</i> , 2018, 21, 1381-1388. | 1.0 | 3 |
| 138 | Interspecific difference in N:P stoichiometric homeostasis drives nutrient release and soil microbial community composition during decomposition. <i>Plant and Soil</i> , 2020, 452, 29-42. | 3.7 | 3 |
| 139 | Effects of Nitrogen Additions on Soil Respiration in an Asian Tropical Montane Rainforest. <i>Forests</i> , 2021, 12, 802. | 2.1 | 3 |
| 140 | Observed Methane Uptake and Emissions at the Ecosystem Scale and Environmental Controls in a Subtropical Forest. <i>Land</i> , 2021, 10, 975. | 2.9 | 3 |
| 141 | The NEBIE plot network: Highlights of long-term scientific studies. <i>Forestry Chronicle</i> , 2017, 93, 122-137. | 0.6 | 3 |
| 142 | Estimating natural nitrous oxide emissions from the Qinghai-Tibetan Plateau using a process-based model: Historical spatiotemporal patterns and future trends. <i>Ecological Modelling</i> , 2022, 466, 109902. | 2.5 | 3 |
| 143 | Gross Ecosystem Productivity Dominates the Control of Ecosystem Methane Flux in Rice Paddies. <i>Land</i> , 2021, 10, 1186. | 2.9 | 2 |
| 144 | The Importance of Energy Theory in Shaping Elevational Species Richness Patterns in Plants. <i>Biology</i> , 2022, 11, 819. | 2.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Assessing the spatio-temporal variation and uncertainty patterns of historical and future projected water resources in China. <i>Journal of Water and Climate Change</i> , 2013, 4, 302-316. | 2.9 | 1 |
| 146 | Large-scale detection of vegetation dynamics using MODIS images and BFAST: A case study in Quebec, Canada. , 2014, , . | | 1 |
| 147 | No evidence for carryover effect in tree rings based on a pulse-labelling experiment on <i>Juniperus communis</i> in South Germany. <i>Trees - Structure and Function</i> , 2021, 35, 493-502. | 1.9 | 1 |
| 148 | Global patterns of particulate organic carbon export from land to the ocean. <i>Ecohydrology</i> , 2022, 15, e2373. | 2.4 | 1 |
| 149 | Temporal and Spatial Variation of Wetland CH ₄ Emissions from the Qinghai-Tibet Plateau under Future Climate Change Scenarios. <i>Atmosphere</i> , 2022, 13, 854. | 2.3 | 1 |
| 150 | Quantification of Ecosystem-Scale Methane Sinks Observed in a Tropical Rainforest in Hainan, China. <i>Land</i> , 2022, 11, 154. | 2.9 | 0 |
| 151 | Contribution of the Order Ericales to Improving Paleoclimate Reconstructions. <i>Sustainability</i> , 2022, 14, 4008. | 3.2 | 0 |
| 152 | Contribution of Incorporating the Phosphorus Cycle into TRIPLEX-CNP to Improve the Quantification of Land Carbon Cycle. <i>Land</i> , 2022, 11, 778. | 2.9 | 0 |
| 153 | Evaluating and quantifying the effect of various spruce budworm intervention strategies on forest carbon dynamics in Atlantic Canada. <i>Forest Ecosystems</i> , 2022, 9, 100052. | 3.1 | 0 |