Tea Thum

List of Publications by Year
in descending order

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23 papers	1,274 citations	471061 17 h-index	642321 23 g-index
48 all docs	48 docs citations	48 times ranked	2743 citing authors

#	Article	IF	Citations
1	Satellite chlorophyll fluorescence measurements reveal largeâ€scale decoupling of photosynthesis and greenness dynamics in boreal evergreen forests. Global Change Biology, 2016, 22, 2979-2996.	4.2	225
2	Leaf litter decompositionâ€"Estimates of global variability based on Yasso07 model. Ecological Modelling, 2009, 220, 3362-3371.	1.2	187
3	Remote sensing of sunlight-induced chlorophyll fluorescence and reflectance of Scots pine in the boreal forest during spring recovery. Remote Sensing of Environment, 2005, 96, 37-48.	4.6	98
4	Atmospheric particle formation events at VÃrriÃ¶ measurement station in Finnish Lapland 1998-2002. Atmospheric Chemistry and Physics, 2004, 4, 2015-2023.	1.9	92
5	Nitrous Oxide Emissions from a Municipal Landfill. Environmental Science & Technology, 2005, 39, 7790-7793.	4.6	89
6	Micrometeorological Measurements of Methane and Carbon Dioxide Fluxes at a Municipal Landfill. Environmental Science & Technology, 2007, 41, 2717-2722.	4.6	82
7	Strong dependence of CO₂ emissions from anthropogenic land cover change on initial land cover and soil carbon parametrization. Global Biogeochemical Cycles, 2015, 29, 1511-1523.	1.9	63
8	Parametrization of two photosynthesis models at the canopy scale in a northern boreal Scots pine forest. Tellus, Series B: Chemical and Physical Meteorology, 2022, 59, 847.	0.8	54
9	Modelling sun-induced fluorescence and photosynthesis with a land surface model at local and regional scales in northern Europe. Biogeosciences, 2017, 14, 1969-1987.	1.3	40
10	A new model of the coupled carbon, nitrogen, and phosphorus cycles in the terrestrial biosphere (QUINCY v1.0; revision 1996). Geoscientific Model Development, 2019, 12, 4781-4802.	1.3	39
11	Measuring methane emissions from a landfill using a cost-effective micrometeorological method. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	36
12	Assessing various drought indicators in representing summer drought in boreal forests in Finland. Hydrology and Earth System Sciences, 2016, 20, 175-191.	1.9	36
13	Soil carbon model alternatives for ECHAM5/JSBACH climate model: Evaluation and impacts on global carbon cycle estimates. Journal of Geophysical Research, 2011, 116, .	3.3	35
14	Spring initiation and autumn cessation of boreal coniferous forest CO₂ exchange assessed by meteorological and biological variables. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 701.	0.8	31
15	Assessing seasonality of biochemical CO₂ exchange model parameters from micrometeorological flux observations at boreal coniferous forest. Biogeosciences, 2008, 5, 1625-1639.	1.3	31
16	Response of water use efficiency to summer drought in aÂboreal Scots pine forest in Finland. Biogeosciences, 2017, 14, 4409-4422.	1.3	30
17	Wholeâ€plant optimality predicts changes in leaf nitrogen under variable <scp>CO</scp>₂ and nutrient availability. New Phytologist, 2020, 225, 2331-2346.	3.5	27
18	Temperature dependence of leafâ€level CO 2 fixation: revising biochemical coefficients through analysis of leaf threeâ€dimensional structure. New Phytologist, 2005, 166, 205-215.	3.5	21

#	Article	IF	Citations
19	Evaluating Biosphere Model Estimates of the Start of the Vegetation Active Season in Boreal Forests by Satellite Observations. Remote Sensing, 2016, 8, 580.	1.8	17
20	Parameter calibration and stomatal conductance formulation comparison for boreal forests with adaptive population importance sampler in the land surface model JSBACH. Geoscientific Model Development, 2019, 12, 4075-4098.	1.3	10
21	Longâ€term ecosystem nitrogen limitation from foliar Î´¹⁵N data and a land surface model. Global Change Biology, 2022, 28, 493-508.	4.2	7
22	Temperature Control of Spring CO2 Fluxes at a Coniferous Forest and a Peat Bog in Central Siberia. Atmosphere, 2021, 12, 984.	1.0	6
23	Evaluating two soil carbon models within the global land surface model JSBACH using surface and spaceborne observations of atmospheric CO₂. Biogeosciences, 2020, 17, 5721-5743.	1.3	6