

# Xingchang Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

416  
citations

687363

13  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

616  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonality of soil CO <sub>2</sub> efflux in a temperate forest: Biophysical effects of snowpack and spring freeze-thaw cycles. <i>Agricultural and Forest Meteorology</i> , 2013, 177, 83-92.	4.8	65
2	Quantifying and reducing the differences in forest CO <sub>2</sub> -fluxes estimated by eddy covariance, biometric and chamber methods: A global synthesis. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 93-103.	4.8	40
3	Spatial variations in non-structural carbohydrates in stems of twelve temperate tree species. <i>Trees - Structure and Function</i> , 2014, 28, 77-89.	1.9	38
4	Differential responses of litter decomposition to warming, elevated CO <sub>2</sub> , and changed precipitation regime. <i>Plant and Soil</i> , 2020, 455, 155-169.	3.7	31
5	Environmental and biotic controls on the interannual variations in CO <sub>2</sub> fluxes of a continental monsoon temperate forest. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108232.	4.8	23
6	Differential effects of altered precipitation regimes on soil carbon cycles in arid versus humid terrestrial ecosystems. <i>Global Change Biology</i> , 2021, 27, 6348-6362.	9.5	23
7	Spatio-temporal patterns of forest carbon dioxide exchange based on global eddy covariance measurements. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1129-1143.	0.9	21
8	Allométrie du bois de hêtre et de l'aulnaie pour sept espèces d'arbres tempérés chinoises. <i>Annals of Forest Science</i> , 2010, 67, 410-410.	2.0	21
9	Wind Regimes above and below a Temperate Deciduous Forest Canopy in Complex Terrain: Interactions between Slope and Valley Winds. <i>Atmosphere</i> , 2015, 6, 60-87.	2.3	21
10	Empirical models for tracing seasonal changes in leaf area index in deciduous broadleaf forests by digital hemispherical photography. <i>Forest Ecology and Management</i> , 2015, 351, 67-77.	3.2	19
11	Improving the CO <sub>2</sub> storage measurements with a single profile system in a tall-dense-canopy temperate forest. <i>Agricultural and Forest Meteorology</i> , 2016, 228-229, 327-338.	4.8	15
12	Autumn phenology of a temperate deciduous forest: Validation of remote sensing approach with decadal leaf-litterfall measurements. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107758.	4.8	14
13	Towards a standardized protocol for measuring leaf area index in deciduous forests with litterfall collection. <i>Forest Ecology and Management</i> , 2019, 447, 87-94.	3.2	13
14	Contrasting Rhizospheric and Heterotrophic Components of Soil Respiration during Growing and Non-Growing Seasons in a Temperate Deciduous Forest. <i>Forests</i> , 2019, 10, 8.	2.1	13
15	Can vegetation index track the interannual variation in gross primary production of temperate deciduous forests?. <i>Ecological Processes</i> , 2021, 10, .	3.9	13
16	Biotic and climatic controls on the interannual variation in canopy litterfall of a deciduous broad-leaved forest. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108483.	4.8	10
17	On improving the accuracy of digital hemispherical photography measurements of seasonal leaf area index variation in deciduous broadleaf forests. <i>Canadian Journal of Forest Research</i> , 2015, 45, 721-731.	1.7	9
18	Measuring Vegetation Phenology with Near-Surface Remote Sensing in a Temperate Deciduous Forest: Effects of Sensor Type and Deployment. <i>Remote Sensing</i> , 2019, 11, 1063.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Timing of leaf fall and changes in litter nutrient concentration compromise estimates of nutrient fluxes and nutrient resorption efficiency. <i>Forest Ecology and Management</i> , 2022, 513, 120188.	3.2	7
20	Sampling protocols of specific leaf area for improving accuracy of the estimation of forest leaf area index. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108286.	4.8	5
21	Coloration and phenology manifest nutrient variability in senesced leaves of 46 temperate deciduous woody species. <i>Journal of Plant Ecology</i> , 2022, 15, 700-710.	2.3	4
22	Seasonal non-structural carbohydrate dynamics differ between twig bark and xylem tissues. <i>Trees - Structure and Function</i> , 2022, 36, 1231-1245.	1.9	4