Jehn-Yih Juang

List of Publications by Year
in descending order

34 papers	1,659 citations	430754 18 h-index	477173 29 g-index
34 all docs	34 docs citations	34 times ranked	2475 citing authors

#	Article	IF	Citations
1	Separating the effects of climate and vegetation on evapotranspiration along a successional chronosequence in the southeastern US. Global Change Biology, 2006, 12, 2115-2135.	4.2	219
2	Separating the effects of albedo from ecoâ€physiological changes on surface temperature along a successional chronosequence in the southeastern United States. Geophysical Research Letters, 2007, 34, .	1.5	195
3	An evaluation of models for partitioning eddy covariance-measured net ecosystem exchange into photosynthesis and respiration. Agricultural and Forest Meteorology, 2006, 141, 2-18.	1.9	186
4	Variability in net ecosystem exchange from hourly to inter-annual time scales at adjacent pine and hardwood forests: a wavelet analysis. Tree Physiology, 2005, 25, 887-902.	1.4	129
5	Are ecosystem carbon inputs and outputs coupled at short time scales? A case study from adjacent pine and hardwood forests using impulse?response analysis. Plant, Cell and Environment, 2007, 30, 700-710.	2.8	89
6	Role of vegetation in determining carbon sequestration along ecological succession in the southeastern United States. Global Change Biology, 2008, 14, 1409-1427.	4.2	87
7	On the spectrum of soil moisture from hourly to interannual scales. Water Resources Research, 2007, 43, .	1.7	77
8	Investigating a Hierarchy of Eulerian Closure Models for Scalar Transfer Inside Forested Canopies. Boundary-Layer Meteorology, 2008, 128, 1-32.	1.2	72
9	The relationship between reference canopy conductance and simplified hydraulic architecture. Advances in Water Resources, 2009, 32, 809-819.	1.7	70
10	On the difference in the net ecosystem exchange of <scp>CO</scp>₂ between deciduous and evergreen forests in the southeastern United States. Global Change Biology, 2015, 21, 827-842.	4.2	65
11	THE STRUCTURE OF TURBULENCE NEAR A TALL FOREST EDGE: THE BACKWARD-FACING STEP FLOW ANALOGY REVISITED. , 2008, 18, 1420-1435.		62
12	Hydrologic and atmospheric controls on initiation of convective precipitation events. Water Resources Research, 2007, 43, .	1.7	60
13	Ecoâ€hydrological controls on summertime convective rainfall triggers. Global Change Biology, 2007, 13, 887-896.	4.2	44
14	Reconstructing Taiwanâ€™s land cover changes between 1904 and 2015 from historical maps and satellite images. Scientific Reports, 2019, 9, 3643.	1.6	35
15	Modeling nighttime ecosystem respiration from measured CO2concentration and air temperature profiles using inverse methods. Journal of Geophysical Research, 2006, 111, .	3.3	34
16	An observational study of the carbon-sink strength of East Asian subtropical evergreen forests. Environmental Research Letters, 2012, 7, 044017.	2.2	33
17	Developed urban air quality monitoring system based on wireless sensor networks. , 2011, , .		30
18	The effects of elevated atmospheric CO2 and nitrogen amendments on subsurface CO2 production and concentration dynamics in a maturing pine forest. Biogeochemistry, 2009, 94, 271-287.	1.7	27

#	Article	IF	Citations
19	A QoS-Guaranteed Coverage Precedence Routing Algorithm for Wireless Sensor Networks. Sensors, 2011, 11, 3418-3438.	2.1	22
20	Investigating effect of environmental controls on dynamics of CO ₂ budget in a subtropical estuarial marsh wetland ecosystem. Environmental Research Letters, 2015, 10, 025005.	2.2	20
21	A Spectral Budget Model for the Longitudinal Turbulent Velocity in the Stable Atmospheric Surface Layer. Journals of the Atmospheric Sciences, 2016, 73, 145-166.	0.6	17
22	Monitoring Street-Level Spatial-Temporal Variations of Carbon Monoxide in Urban Settings Using a Wireless Sensor Network (WSN) Framework. International Journal of Environmental Research and Public Health, 2013, 10, 6380-6396.	1.2	15
23	The Role of Vegetation on the Ecosystem Radiative Entropy Budget and Trends Along Ecological Succession. Entropy, 2014, 16, 3710-3731.	1.1	14
24	Central Taiwanâ€™s hydroclimate in response to land use/cover change. Environmental Research Letters, 2020, 15, 034015.	2.2	12
25	Methane Emissions from a Subtropical Grass Marshland, Northern Taiwan. Wetlands, 2017, 37, 1145-1157.	0.7	8
26	An Alternative Body Temperature Measurement Solution: Combination of a Highly Accurate Monitoring System and a Visualized Public Health Cloud Platform. IEEE Internet of Things Journal, 2021, 8, 5778-5793.	5.5	6
27	Urban Warming and Urban Heat Islands in Taipei, Taiwan. , 2011, , 231-246.		6
28	Eco-hydrological controls on summertime convective rainfall triggers. Global Change Biology, 2007, .	4.2	6
29	Application of a reliable MAC protocol for the urban air quality monitoring system based on the wireless sensor network. , 2012, , .		5
30	A Location-Based Client-Server Framework for Assessing Personal Exposure to the Transmission Risks of Contagious Diseases. Human Dynamics in Smart Cities, 2018, , 133-148.	0.2	4
31	Mobile Measurement of Particulate Matter Concentrations on Urban Streets: System Development and Field Verification. IEEE Access, 2020, 8, 197617-197629.	2.6	4
32	Early Peak of Latent Heat Fluxes Regulates Diurnal Temperature Range in Montane Cloud Forests. Journal of Hydrometeorology, 2021, , .	0.7	3
33	Urban Area PM<inf>2.5</inf> Prediction with Machine Methods: An On-Board Monitoring System. , 2018, , .		2
34	Quantifying the influence of management strategies on surface radiation budgets and energy patterns in tea fields. Environmental Research Letters, 2022, 17, 034041.	2.2	1