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	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
2	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
3	Early Peak of Latent Heat Fluxes Regulates Diurnal Temperature Range in Montane Cloud Forests. Journal of Hydrometeorology, 2021, , .	0.7	3
4	Central Taiwanâ€™s hydroclimate in response to land use/cover change. Environmental Research Letters, 2020, 15, 034015.	2.2	12
5	Mobile Measurement of Particulate Matter Concentrations on Urban Streets: System Development and Field Verification. IEEE Access, 2020, 8, 197617-197629.	2.6	4
6	Reconstructing Taiwanâ€™s land cover changes between 1904 and 2015 from historical maps and satellite images. Scientific Reports, 2019, 9, 3643.	1.6	35
7	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
8	Urban Area PM<inf>2.5</inf> Prediction with Machine Methods: An On-Board Monitoring System. , 2018, , .		2
9	Methane Emissions from a Subtropical Grass Marshland, Northern Taiwan. Wetlands, 2017, 37, 1145-1157.	0.7	8
10	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
11	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
12	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
13	The Role of Vegetation on the Ecosystem Radiative Entropy Budget and Trends Along Ecological Succession. Entropy, 2014, 16, 3710-3731.	1.1	14
14	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
15	An observational study of the carbon-sink strength of East Asian subtropical evergreen forests. Environmental Research Letters, 2012, 7, 044017.	2.2	33
16	Application of a reliable MAC protocol for the urban air quality monitoring system based on the wireless sensor network. , 2012, , .		5
17	Developed urban air quality monitoring system based on wireless sensor networks. , 2011, , .		30
18	A QoS-Guaranteed Coverage Precedence Routing Algorithm for Wireless Sensor Networks. Sensors, 2011, 11, 3418-3438.	2.1	22

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19	Urban Warming and Urban Heat Islands in Taipei, Taiwan. , 2011, , 231-246.		6
20	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
21	The relationship between reference canopy conductance and simplified hydraulic architecture. Advances in Water Resources, 2009, 32, 809-819.	1.7	70
22	Investigating a Hierarchy of Eulerian Closure Models for Scalar Transfer Inside Forested Canopies. Boundary-Layer Meteorology, 2008, 128, 1-32.	1.2	72
23	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
24	THE STRUCTURE OF TURBULENCE NEAR A TALL FOREST EDGE: THE BACKWARD-FACING STEP FLOW ANALOGY REVISITED. , 2008, 18, 1420-1435.		62
25	Hydrologic and atmospheric controls on initiation of convective precipitation events. Water Resources Research, 2007, 43, .	1.7	60
26	On the spectrum of soil moisture from hourly to interannual scales. Water Resources Research, 2007, 43, .	1.7	77
27	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
28	Ecoâ€hydrological controls on summertime convective rainfall triggers. Global Change Biology, 2007, 13, 887-896.	4.2	44
29	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
30	Eco-hydrological controls on summertime convective rainfall triggers. Global Change Biology, 2007, .	4.2	6
31	Modeling nighttime ecosystem respiration from measured CO2concentration and air temperature profiles using inverse methods. Journal of Geophysical Research, 2006, 111, .	3.3	34
32	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
33	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
34	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