

Scott D Miller

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

4,549
citations

218677

26
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

5756
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of sea ice on air-sea CO ₂ exchange – A critical review of polar eddy covariance studies. Progress in Oceanography, 2022, 201, 102741.	3.2	7
2	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. Scientific Data, 2020, 7, 225.	5.3	646
3	Using eddy covariance to measure the dependence of air–sea CO ₂ exchange rate on friction velocity. Atmospheric Chemistry and Physics, 2018, 18, 4297-4315.	4.9	15
4	Effects of Wind and Buoyancy on Carbon Dioxide Distribution and Air–Water Flux of a Stratified Temperate Lake. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2305-2322.	3.0	35
5	Parameterizing air–sea gas transfer velocity with dissipation. Journal of Geophysical Research: Oceans, 2017, 122, 3041-3056.	2.6	36
6	Using Empirical Mode Decomposition to Filter Out Non-turbulent Contributions to Air–Sea Fluxes. Boundary-Layer Meteorology, 2017, 163, 123-141.	2.3	9
7	Estimation of bubble-mediated air–sea gas exchange from concurrent DMS and CO ₂ transfer velocities at intermediate–high wind speeds. Atmospheric Chemistry and Physics, 2017, 17, 9019-9033.	4.9	54
8	Air–sea exchange of carbon dioxide in the Southern Ocean and Antarctic marginal ice zone. Geophysical Research Letters, 2016, 43, 7223-7230.	4.0	71
9	The relationship between ocean surface turbulence and air-sea gas transfer velocity: An in-situ evaluation. IOP Conference Series: Earth and Environmental Science, 2016, 35, 012005.	0.3	2
10	Automated Underway Eddy Covariance System for Air–Sea Momentum, Heat, and CO ₂ Fluxes in the Southern Ocean. Journal of Atmospheric and Oceanic Technology, 2016, 33, 635-652.	1.3	16
11	Dimethylsulfide gas transfer coefficients from algal blooms in the Southern Ocean. Atmospheric Chemistry and Physics, 2015, 15, 1783-1794.	4.9	47
12	Similarity scaling of turbulence in a temperate lake during fall cooling. Journal of Geophysical Research: Oceans, 2014, 119, 4689-4713.	2.6	64
13	Analysis of the PKT correction for direct CO ₂ flux measurements over the ocean. Atmospheric Chemistry and Physics, 2014, 14, 3361-3372.	4.9	40
14	On the Exchange of Momentum over the Open Ocean. Journal of Physical Oceanography, 2013, 43, 1589-1610.	1.7	515
15	What drives the seasonality of photosynthesis across the Amazon basin? A cross-site analysis of eddy flux tower measurements from the Brasil flux network. Agricultural and Forest Meteorology, 2013, 182-183, 128-144.	4.8	255
16	Air–sea dimethylsulfide (DMS) gas transfer in the North Atlantic: evidence for limited interfacial gas exchange at high wind speed. Atmospheric Chemistry and Physics, 2013, 13, 11073-11087.	4.9	84
17	Reduced impact logging minimally alters tropical rainforest carbon and energy exchange. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19431-19435.	7.1	118
18	Buoyancy flux, turbulence, and the gas transfer coefficient in a stratified lake. Geophysical Research Letters, 2010, 37, .	4.0	183

#	ARTICLE	IF	CITATIONS
19	Ship-based measurement of air-sea CO ₂ exchange by eddy covariance. Journal of Geophysical Research, 2010, 115, .	3.3	63
20	An improved estimate of leaf area index based on the histogram analysis of hemispherical photographs. Agricultural and Forest Meteorology, 2009, 149, 920-928.	4.8	40
21	Air-sea gas exchange of CO ₂ and DMS in the North Atlantic by eddy covariance. Geophysical Research Letters, 2009, 36, .	4.0	28
22	Effects of selective logging on tropical forest tree growth. Journal of Geophysical Research, 2008, 113, .	3.3	43
23	DMS air/sea flux and gas transfer coefficients from the North Atlantic summertime coccolithophore bloom. Geophysical Research Letters, 2008, 35, .	4.0	40
24	Platform Motion Effects on Measurements of Turbulence and Air-Sea Exchange over the Open Ocean. Journal of Atmospheric and Oceanic Technology, 2008, 25, 1683-1694.	1.3	57
25	The effect of canopy gaps on subcanopy ventilation and scalar fluxes in a tropical forest. Agricultural and Forest Meteorology, 2007, 142, 25-34.	4.8	37
26	Eddy correlation measurements of the air/sea flux of dimethylsulfide over the North Pacific Ocean. Journal of Geophysical Research, 2007, 112, .	3.3	72
27	Nocturnal cold air drainage and pooling in a tropical forest. Journal of Geophysical Research, 2006, 111, .	3.3	71
28	Soil moisture dynamics in an eastern Amazonian tropical forest. Hydrological Processes, 2006, 20, 2477-2489.	2.6	102
29	ECOLOGICAL RESEARCH IN THE LARGE-SCALE BIOSPHERE-ATMOSPHERE EXPERIMENT IN AMAZONIA: EARLY RESULTS. , 2004, 14, 3-16.		130
30	BIOMETRIC AND MICROMETEOROLOGICAL MEASUREMENTS OF TROPICAL FOREST CARBON BALANCE. , 2004, 14, 114-126.		187
31	SEASONALITY OF WATER AND HEAT FLUXES OVER A TROPICAL FOREST IN EASTERN AMAZONIA. Ecological Applications, 2004, 14, 22-32.	3.8	338
32	DIEL AND SEASONAL PATTERNS OF TROPICAL FOREST CO ₂ EXCHANGE. , 2004, 14, 42-54.		312
33	Dynamical coupling of wind and ocean waves through wave-induced air flow. Nature, 2003, 422, 55-58.	27.8	142
34	Carbon in Amazon Forests: Unexpected Seasonal Fluxes and Disturbance-Induced Losses. Science, 2003, 302, 1554-1557.	12.6	625
35	Global Synthesis of Air-Sea CO ₂ Transfer Velocity Estimates From Ship-Based Eddy Covariance Measurements. Frontiers in Marine Science, 0, 9, .	2.5	9