List of Publications by Year in descending order

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WAN MAMMADELLA

#	Article	IF	CITATIONS
1	Determining the contribution of vertical advection to the net ecosystem exchange at HyytiÃka⊄orest, Finland. Tellus, Series B: Chemical and Physical Meteorology, 2022, 59, 900.	1.6	44
2	Surface–atmosphere interactions over complex urban terrain in Helsinki, Finland. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 188.	1.6	125
3	Effects of cooling and internal wave motions on gas transfer coefficients in a boreal lake. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 22827.	1.6	74
4	Simulation of surface energy fluxes and stratification of a small boreal lake by a set of one-dimensional models. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 21389.	1.7	58
5	Lake–atmosphere interactions at Alqueva reservoir: a case study in the summer of 2014. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 69, 1272787.	1.7	22
6	Plant mediated methane efflux from a boreal peatland complex. Plant and Soil, 2022, 471, 375-392.	3.7	11
7	The ABCflux database: Arctic–boreal CO ₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. Earth System Science Data, 2022, 14, 179-208.	9.9	22
8	Does growing atmospheric CO ₂ explain increasing carbon sink in a boreal coniferous forest?. Global Change Biology, 2022, 28, 2910-2929.	9.5	23
9	Long-term fluxes of carbonyl sulfide and their seasonality and interannual variability in a boreal forest. Atmospheric Chemistry and Physics, 2022, 22, 2569-2584.	4.9	7
10	New Evidence for the Importance of Nonâ€ s tomatal Pathways in Ozone Deposition During Extreme Heat and Dry Anomalies. Geophysical Research Letters, 2022, 49, .	4.0	4
11	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China – a Pan-Eurasian Experiment (PEEX) programme perspective. Atmospheric Chemistry and Physics, 2022, 22, 4413-4469.	4.9	9
12	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems. Global Change Biology, 2022, 28, 2111-2123.	9.5	23
13	Technical note: Incorporating expert domain knowledge into causal structure discovery workflows. Biogeosciences, 2022, 19, 2095-2099.	3.3	1
14	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. Communications Earth & Environment, 2022, 3, .	6.8	8
15	Validation of turbulent heat transfer models against eddy covariance flux measurements over a seasonally ice-covered lake. Geoscientific Model Development, 2022, 15, 4739-4755.	3.6	1
16	A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. Geoscientific Model Development, 2022, 15, 4597-4623.	3.6	37
17	A revised dry deposition scheme for land–atmosphere exchange of trace gases in ECHAM/MESSy v2.54. Geoscientific Model Development, 2021, 14, 495-519.	3.6	11
18	Interannual variability on methane emissions in monsoon Asia derived from GOSAT and surface observations. Environmental Research Letters, 2021, 16, 024040.	5.2	14

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19	Validation of WRF-Chem Model and CAMS Performance in Estimating Near-Surface Atmospheric CO2 Mixing Ratio in the Area of Saint Petersburg (Russia). Atmosphere, 2021, 12, 387.	2.3	5
20	Substantial hysteresis in emergent temperature sensitivity of global wetland CH4 emissions. Nature Communications, 2021, 12, 2266.	12.8	34
21	Warming homogenizes apparent temperature sensitivity of ecosystem respiration. Science Advances, 2021, 7, .	10.3	28
22	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. Global Change Biology, 2021, 27, 3582-3604.	9.5	59
23	Assessing model performance via the most limiting environmental driver in two differently stressed pine stands. Ecological Applications, 2021, 31, e02312.	3.8	4
24	Improvement of modeling plant responses to low soil moisture in JULESvn4.9 and evaluation against flux tower measurements. Geoscientific Model Development, 2021, 14, 3269-3294.	3.6	15
25	Statistical upscaling of ecosystem CO ₂ fluxes across the terrestrial tundra and boreal domain: Regional patterns and uncertainties. Global Change Biology, 2021, 27, 4040-4059.	9.5	83
26	Temperature Control of Spring CO2 Fluxes at a Coniferous Forest and a Peat Bog in Central Siberia. Atmosphere, 2021, 12, 984.	2.3	6
27	The high-frequency response correction of eddy covariance fluxes – Part 1: An experimental approach and its interdependence with the time-lag estimation. Atmospheric Measurement Techniques, 2021, 14, 5071-5088.	3.1	7
28	FLUXNET-CH ₄ : a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689.	9.9	79
29	The high-frequency response correction of eddy covariance fluxes – Part 2: An experimental approach for analysing noisy measurements of small fluxes. Atmospheric Measurement Techniques, 2021, 14, 5089-5106.	3.1	2
30	Carbon balance of a Finnish bog: temporal variability and limiting factors based on 6Âyears of eddy-covariance data. Biogeosciences, 2021, 18, 4681-4704.	3.3	5
31	The Multiscale Monitoring of Peatland Ecosystem Carbon Cycling in the Middle Taiga Zone of Western Siberia: The Mukhrino Bog Case Study. Land, 2021, 10, 824.	2.9	9
32	The three major axes of terrestrial ecosystem function. Nature, 2021, 598, 468-472.	27.8	99
33	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO2 exchange across global forests and grasslands. Agricultural and Forest Meteorology, 2021, 307, 108506.	4.8	13
34	An algorithm to detect non-background signals in greenhouse gas time series from European tall tower and mountain stations. Atmospheric Measurement Techniques, 2021, 14, 6119-6135.	3.1	1
35	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH4 wetlands. Agricultural and Forest Meteorology, 2021, 308-309, 108528.	4.8	33
36	Evaluation and optimization of ICOS atmosphere station data as part of the labeling process. Atmospheric Measurement Techniques, 2021, 14, 89-116.	3.1	13

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37	Variable Physical Drivers of Nearâ€6urface Turbulence in a Regulated River. Water Resources Research, 2021, 57, e2020WR027939.	4.2	11
38	Ozone deposition impact assessments for forest canopies require accurate ozone flux partitioning on diurnal timescales. Atmospheric Chemistry and Physics, 2021, 21, 18393-18411.	4.9	6
39	Evaluation of carbonyl sulfide biosphere exchange in the Simple Biosphere Model (SiB4). Biogeosciences, 2021, 18, 6547-6565.	3.3	21
40	Varying Vegetation Composition, Respiration and Photosynthesis Decrease Temporal Variability of the CO2 Sink in a Boreal Bog. Ecosystems, 2020, 23, 842-858.	3.4	11
41	Refining the role of phenology in regulating gross ecosystem productivity across European peatlands. Clobal Change Biology, 2020, 26, 876-887.	9.5	25
42	Evaluation of the LSA-SAF gross primary production product derived from SEVIRI/MSG data (MGPP). ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 220-236.	11.1	12
43	Ecosystem transpiration and evaporation: Insights from three water flux partitioning methods across FLUXNET sites. Global Change Biology, 2020, 26, 6916-6930.	9.5	97
44	Warmer spring alleviated the impacts of 2018 European summer heatwave and drought on vegetation photosynthesis. Agricultural and Forest Meteorology, 2020, 295, 108195.	4.8	48
45	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. Scientific Data, 2020, 7, 225.	5.3	646
46	Effects of drought and meteorological forcing on carbon and water fluxes in Nordic forests during the dry summer of 2018. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190516.	4.0	35
47	The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO ₂ measurements. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190513.	4.0	31
48	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190524.	4.0	35
49	Effect of the 2018 European drought on methane and carbon dioxide exchange of northern mire ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190517.	4.0	34
50	Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032398.	3.3	34
51	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. Nature Climate Change, 2020, 10, 555-560.	18.8	106
52	Stomatal response to decreased relative humidity constrains the acceleration of terrestrial evapotranspiration. Environmental Research Letters, 2020, 15, 094066.	5.2	18
53	Impact of coordinate rotation on eddy covariance fluxes at complex sites. Agricultural and Forest Meteorology, 2020, 287, 107940.	4.8	8
54	Country-Scale Analysis of Methane Emissions with a High-Resolution Inverse Model Using GOSAT and Surface Observations. Remote Sensing, 2020, 12, 375.	4.0	28

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55	A Microbial Functional Groupâ€Based CH ₄ Model Integrated Into a Terrestrial Ecosystem Model: Model Structure, Siteâ€Level Evaluation, and Sensitivity Analysis. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001867.	3.8	7
56	The biophysical climate mitigation potential of boreal peatlands during the growing season. Environmental Research Letters, 2020, 15, 104004.	5.2	31
57	Towards standardized processing of eddy covariance flux measurements of carbonyl sulfide. Atmospheric Measurement Techniques, 2020, 13, 3957-3975.	3.1	14
58	Carbon dioxide and methane fluxes from different surface types in a created urban wetland. Biogeosciences, 2020, 17, 3409-3425.	3.3	5
59	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. Earth System Science Data, 2020, 12, 1295-1320.	9.9	33
60	Modeling the impacts of diffuse light fraction on photosynthesis in ORCHIDEE (v5453) land surface model. Geoscientific Model Development, 2020, 13, 5401-5423.	3.6	23
61	Inversion Estimates of Methane Emission in the Middle East in 2010-2017 with GOSAT Observations. , 2020, , .		Ο
62	Covariations between plant functional traits emerge from constraining parameterization of a terrestrial biosphere model. Global Ecology and Biogeography, 2019, 28, 1351-1365.	5.8	22
63	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. Biogeosciences, 2019, 16, 3747-3775.	3.3	150
64	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.	3.6	10
65	Influences of light and humidity on carbonyl sulfide-based estimates of photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2470-2475.	7.1	30
66	Multi-year methane ebullition measurements from water and bare peat surfaces of a patterned boreal bog. Biogeosciences, 2019, 16, 2409-2421.	3.3	17
67	Diurnal and Seasonal Solar Induced Chlorophyll Fluorescence and Photosynthesis in a Boreal Scots Pine Canopy. Remote Sensing, 2019, 11, 273.	4.0	29
68	Applicability and consequences of the integration of alternative models for CO ₂ transfer velocity into a process-based lake model. Biogeosciences, 2019, 16, 3297-3317.	3.3	5
69	Methane Emission Estimates by the Global High-Resolution Inverse Model Using National Inventories. Remote Sensing, 2019, 11, 2489.	4.0	29
70	A Deep Learning Parameterization for Ozone Dry Deposition Velocities. Geophysical Research Letters, 2019, 46, 983-989.	4.0	17
71	Solarâ€induced chlorophyll fluorescence exhibits a universal relationship with gross primary productivity across a wide variety of biomes. Global Change Biology, 2019, 25, e4.	9.5	31
72	Monthly gridded data product of northern wetland methane emissions based on upscaling eddy covariance observations. Earth System Science Data, 2019, 11, 1263-1289.	9.9	69

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73	Boreal bog plant communities along a water table gradient differ in their standing biomass but not their biomass production. Journal of Vegetation Science, 2018, 29, 136-146.	2.2	17
74	Strong radiative effect induced by clouds and smoke on forest net ecosystem productivity in central Siberia. Agricultural and Forest Meteorology, 2018, 250-251, 376-387.	4.8	39
75	Soil fluxes of carbonyl sulfide (COS), carbon monoxide, and carbon dioxide in aÂboreal forest in southern Finland. Atmospheric Chemistry and Physics, 2018, 18, 1363-1378.	4.9	27
76	Temporal variation of VOC fluxes measured with PTR-TOF above a boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 815-832.	4.9	27
77	Retrieval of daily gross primary production over Europe and Africa from an ensemble of SEVIRI/MSG products. International Journal of Applied Earth Observation and Geoinformation, 2018, 65, 124-136.	2.8	8
78	Limitations and Challenges of MODIS-Derived Phenological Metrics Across Different Landscapes in Pan-Arctic Regions. Remote Sensing, 2018, 10, 1784.	4.0	16
79	On the Applicability of Similarity Theory for the Stable Atmospheric Boundary Layer over Complex Terrain. Izvestiya - Atmospheric and Oceanic Physics, 2018, 54, 462-471.	0.9	7
80	Direct effect of aerosols on solar radiation and gross primary production in boreal and hemiboreal forests. Atmospheric Chemistry and Physics, 2018, 18, 17863-17881.	4.9	50
81	Methane Fluxes Into Atmosphere from Fennoskandian Lakes. Izvestiya - Atmospheric and Oceanic Physics, 2018, 54, 570-580.	0.9	2
82	Vertical characterization of highly oxygenated molecules (HOMs) below and above a boreal forest canopy. Atmospheric Chemistry and Physics, 2018, 18, 17437-17450.	4.9	34
83	Prediction of photosynthesis in Scots pine ecosystems across Europe by a needle-level theory. Atmospheric Chemistry and Physics, 2018, 18, 13321-13328.	4.9	0
84	Synthetic ozone deposition and stomatal uptake at flux tower sites. Biogeosciences, 2018, 15, 5395-5413.	3.3	22
85	Methane and carbon dioxide fluxes over a lake: comparison between eddy covariance, floating chambers and boundary layer method. Biogeosciences, 2018, 15, 429-445.	3.3	81
86	Reviews and syntheses: Carbonyl sulfide as aÂmulti-scale tracer for carbon and water cycles. Biogeosciences, 2018, 15, 3625-3657.	3.3	98
87	Small spatial variability in methane emission measured from a wet patterned boreal bog. Biogeosciences, 2018, 15, 1749-1761.	3.3	21
88	High-frequency productivity estimates for a lake from free-water CO ₂ concentration measurements. Biogeosciences, 2018, 15, 2021-2032.	3.3	5
89	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO ₂ , water, and energy fluxes on daily to annual scales. Geoscientific Model Development, 2018, 11, 497-519.	3.6	43
90	Temporal Variation of Ecosystem Scale Methane Emission From a Boreal Fen in Relation to Temperature, Water Table Position, and Carbon Dioxide Fluxes. Global Biogeochemical Cycles, 2018, 32, 1087-1106.	4.9	78

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91	Ejective and Sweeping Motions Above a Peatland and Their Role in Relaxed-Eddy-Accumulation Measurements and Turbulent Transport Modelling. Boundary-Layer Meteorology, 2018, 169, 163-184.	2.3	9
92	Effects of Climate Change on CO ₂ Concentration and Efflux in a Humic Boreal Lake: A Modeling Study. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2212-2233.	3.0	14
93	Lakeâ€Atmosphere Heat Flux Dynamics of a Thermokarst Lake in Arctic Siberia. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5222-5239.	3.3	10
94	Solarâ€induced chlorophyll fluorescence is strongly correlated with terrestrial photosynthesis for a wide variety of biomes: First global analysis based on OCOâ€2 and flux tower observations. Global Change Biology, 2018, 24, 3990-4008.	9.5	264
95	A Structure Function Model Recovers the Many Formulations for Airâ€Water Gas Transfer Velocity. Water Resources Research, 2018, 54, 5905-5920.	4.2	16
96	Estimating the storage term in eddy covariance measurements: the ICOS methodology. International Agrophysics, 2018, 32, 551-567.	1.7	25
97	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review. International Agrophysics, 2018, 32, 439-455.	1.7	55
98	Standardisation of eddy-covariance flux measurements of methane and nitrous oxide. International Agrophysics, 2018, 32, 517-549.	1.7	66
99	Eddy covariance raw data processing for CO2 and energy fluxes calculation at ICOS ecosystem stations. International Agrophysics, 2018, 32, 495-515.	1.7	62
100	ICOS eddy covariance flux-station site setup: a review. International Agrophysics, 2018, 32, 471-494.	1.7	59
101	Relationship between aerodynamic roughness length and bulk sedge leaf area index in a mixedâ€species boreal mire complex. Geophysical Research Letters, 2017, 44, 5836-5843.	4.0	15
102	Early snowmelt significantly enhances boreal springtime carbon uptake. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11081-11086.	7.1	84
103	Atmospheric deposition, CO2, and change in the land carbon sink. Scientific Reports, 2017, 7, 9632.	3.3	62
104	Simulating ozone dry deposition at a boreal forest with a multi-layer canopy deposition model. Atmospheric Chemistry and Physics, 2017, 17, 1361-1379.	4.9	42
105	Canopy uptake dominates nighttime carbonyl sulfide fluxes in a boreal forest. Atmospheric Chemistry and Physics, 2017, 17, 11453-11465.	4.9	34
106	Net ecosystem exchange and energy fluxes measured with the eddy covariance technique in a western Siberian bog. Atmospheric Chemistry and Physics, 2017, 17, 9333-9345.	4.9	31
107	Species-specific temporal variation in photosynthesis as a moderator of peatland carbon sequestration. Biogeosciences, 2017, 14, 257-269.	3.3	22
108	Detecting Inter-Annual Variations in the Phenology of Evergreen Conifers Using Long-Term MODIS Vegetation Index Time Series. Remote Sensing, 2017, 9, 49.	4.0	44

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109	Soil concentrations and soil–atmosphere exchange of alkylamines in a boreal Scots pine forest. Biogeosciences, 2017, 14, 1075-1091.	3.3	7
110	Response of water use efficiency to summer drought in aÂboreal Scots pine forest in Finland. Biogeosciences, 2017, 14, 4409-4422.	3.3	30
111	Carbon dioxide exchange of a perennial bioenergy crop cultivation on a mineral soil. Biogeosciences, 2016, 13, 1255-1268.	3.3	12
112	Assessing various drought indicators in representing summer drought in boreal forests in Finland. Hydrology and Earth System Sciences, 2016, 20, 175-191.	4.9	36
113	Quantifying the uncertainty of eddy covariance fluxes due to the use of different software packages and combinations of processing steps in two contrasting ecosystems. Atmospheric Measurement Techniques, 2016, 9, 4915-4933.	3.1	69
114	LAKE 2.0: a model for temperature, methane, carbon dioxide and oxygen dynamics in lakes. Geoscientific Model Development, 2016, 9, 1977-2006.	3.6	80
115	Random uncertainties of flux measurements by the eddy covariance technique. Atmospheric Measurement Techniques, 2016, 9, 5163-5181.	3.1	58
116	Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites. Geoscientific Model Development, 2016, 9, 479-504.	3.6	36
117	Large-eddy simulation and stochastic modeling of Lagrangian particles for footprint determination in the stable boundary layer. Geoscientific Model Development, 2016, 9, 2925-2949.	3.6	29
118	Seasonal and diurnal variation in CO fluxes from an agricultural bioenergy crop. Biogeosciences, 2016, 13, 5471-5485.	3.3	10
119	Pinus sylvestris as a missing source of nitrous oxide and methane in boreal forest. Scientific Reports, 2016, 6, 23410.	3.3	99
120	Importance of vegetation classes in modeling CH4 emissions from boreal and subarctic wetlands in Finland. Science of the Total Environment, 2016, 572, 1111-1122.	8.0	23
121	Calibration and validation of a semi-empirical flux ecosystem model for coniferous forests in the Boreal region. Ecological Modelling, 2016, 341, 37-52.	2.5	39
122	Neglecting diurnal variations leads to uncertainties in terrestrial nitrous oxide emissions. Scientific Reports, 2016, 6, 25739.	3.3	51
123	Aerosol dynamics within and above forest in relation to turbulent transport and dry deposition. Atmospheric Chemistry and Physics, 2016, 16, 3145-3160.	4.9	14
124	High upward fluxes of formic acid from a boreal forest canopy. Geophysical Research Letters, 2016, 43, 9342-9351.	4.0	36
125	Wind speed modeling using a vector autoregressive process with a time-dependent intercept term. International Journal of Electrical Power and Energy Systems, 2016, 77, 91-99.	5.5	24
126	Constraining ecosystem model with adaptive Metropolis algorithm using boreal forest site eddy covariance measurements. Nonlinear Processes in Geophysics, 2016, 23, 447-465.	1.3	4

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127	Carbon dioxide and energy fluxes over a small boreal lake in Southern Finland. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1296-1314.	3.0	64
128	Studying the spatial variability of methane flux with five eddy covariance towers of varying height. Agricultural and Forest Meteorology, 2015, 214-215, 456-472.	4.8	27
129	Effects of water clarity on lake stratification and lakeâ€etmosphere heat exchange. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7412-7428.	3.3	77
130	Intercomparison of fast response commercial gas analysers for nitrous oxide flux measurements under field conditions. Biogeosciences, 2015, 12, 415-432.	3.3	28
131	Different Apparent Gas Exchange Coefficients for CO ₂ and CH ₄ : Comparing a Brown-Water and a Clear-Water Lake in the Boreal Zone during the Whole Growing Season. Environmental Science & amp; Technology, 2015, 49, 11388-11394.	10.0	20
132	Evaluating the performance of commonly used gas analysers for methane eddy covariance flux measurements: the InGOS inter-comparison field experiment. Biogeosciences, 2014, 11, 3163-3186.	3.3	38
133	Sorption-Caused Attenuation and Delay of Water Vapor Signals in Eddy-Covariance Sampling Tubes and Filters. Journal of Atmospheric and Oceanic Technology, 2014, 31, 2629-2649.	1.3	11
134	Precipitation and net ecosystem exchange are the most important drivers of DOC flux in upland boreal catchments. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1861-1878.	3.0	27
135	Latent heat exchange in the boreal and arctic biomes. Global Change Biology, 2014, 20, 3439-3456.	9.5	52
136	Comparison between static chamber and tunable diode laser-based eddy covariance techniques for measuring nitrous oxide fluxes from a cotton field. Agricultural and Forest Meteorology, 2013, 171-172, 9-19.	4.8	97
137	Evolution of the nocturnal decoupled layer in a pine forest canopy. Agricultural and Forest Meteorology, 2013, 174-175, 15-27.	4.8	33
138	Interannual variability of net ecosystem productivity in forests is explained by carbon flux phenology in autumn. Global Ecology and Biogeography, 2013, 22, 994-1006.	5.8	144
139	Representing Land Surface Heterogeneity: Offline Analysis of the Tiling Method. Journal of Hydrometeorology, 2013, 14, 850-867.	1.9	11
140	Field intercomparison of four methane gas analyzers suitable for eddy covariance flux measurements. Biogeosciences, 2013, 10, 3749-3765.	3.3	42
141	Ozone deposition into a boreal forest over a decade of observations: evaluating deposition partitioning and driving variables. Atmospheric Chemistry and Physics, 2012, 12, 12165-12182.	4.9	72
142	Characterization of a boreal convective boundary layer and its impact on atmospheric chemistry during HUMPPA-COPEC-2010. Atmospheric Chemistry and Physics, 2012, 12, 9335-9353.	4.9	45
143	Combined effects of surface conditions, boundary layer dynamics and chemistry on diurnal SOA evolution. Atmospheric Chemistry and Physics, 2012, 12, 6827-6843.	4.9	27
144	Long-term energy flux measurements and energy balance over a small boreal lake using eddy covariance technique. Journal of Geophysical Research, 2011, 116, .	3.3	168

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145	Particle concentration and flux dynamics in the atmospheric boundary layer as the indicator of formation mechanism. Atmospheric Chemistry and Physics, 2011, 11, 5591-5601.	4.9	31
146	Long-term aerosol particle flux observations. Part II: Particle size statistics and deposition velocities. Atmospheric Environment, 2011, 45, 3794-3805.	4.1	25
147	Challenges for evaluating process-based models of gas exchange. Forest Systems, 2011, 20, 389.	0.3	20
148	Greenhouse gas fluxes in a drained peatland forest during spring frost-thaw event. Biogeosciences, 2010, 7, 1715-1727.	3.3	39
149	A case study of eddy covariance flux of N ₂ O measured within forest ecosystems: quality control and flux error analysis. Biogeosciences, 2010, 7, 427-440.	3.3	45
150	Relative Humidity Effect on the High-Frequency Attenuation of Water Vapor Flux Measured by a Closed-Path Eddy Covariance System. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1856-1866.	1.3	108
151	Long-term aerosol particle flux observations part I: Uncertainties and time-average statistics. Atmospheric Environment, 2009, 43, 3431-3439.	4.1	33
152	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO2. Agricultural and Forest Meteorology, 2009, 149, 1919-1930.	4.8	91
153	Vertical advection and nocturnal deposition of ozone over a boreal pine forest. Atmospheric Chemistry and Physics, 2009, 9, 2089-2095.	4.9	26
154	Annual particle flux observations over a heterogeneous urban area. Atmospheric Chemistry and Physics, 2009, 9, 7847-7856.	4.9	56
155	The Effect of Stratification on the Aerodynamic Roughness Length. , 2009, , 59-66.		1
156	The Effect of Stratification on the Aerodynamic Roughness Length and Displacement Height. Boundary-Layer Meteorology, 2008, 129, 179-190.	2.3	53
157	Turbulence spectra, shear stress and turbulent kinetic energy budgets above two beech forest sites in Denmark. Tellus, Series B: Chemical and Physical Meteorology, 2008, 60, 179-187.	1.6	11
158	Vertical variability and effect of stability on turbulence characteristics down to the floor of a pine forest. Tellus, Series B: Chemical and Physical Meteorology, 2007, 59, 919-936.	1.6	64
159	Determining the contribution of vertical advection to the net ecosystem exchange at HyytiÃka⊄orest, Finland. Tellus, Series B: Chemical and Physical Meteorology, 2007, 59, .	1.6	2
160	Turbulence Perturbations in the Neutrally Stratified Surface Layer due to the Interaction of a Katabatic Flow with a Steep Ridge. Environmental Fluid Mechanics, 2005, 5, 227-246.	1.6	4
161	Turbulence in Complex Terrain. Boundary-Layer Meteorology, 2003, 109, 85-97.	2.3	8