

Ivan Mammarella

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

6,716
citations

76294

40
h-index

95218

68
g-index

235
all docs

235
docs citations

235
times ranked

7808
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the contribution of vertical advection to the net ecosystem exchange at Hyytiälä forest, Finland. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 900.	0.8	44
2	Surface-atmosphere interactions over complex urban terrain in Helsinki, Finland. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 188.	0.8	125
3	Effects of cooling and internal wave motions on gas transfer coefficients in a boreal lake. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 22827.	0.8	74
4	Simulation of surface energy fluxes and stratification of a small boreal lake by a set of one-dimensional models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 66, 21389.	0.8	58
5	Lake-atmosphere interactions at Alqueva reservoir: a case study in the summer of 2014. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 69, 1272787.	0.8	22
6	Plant mediated methane efflux from a boreal peatland complex. <i>Plant and Soil</i> , 2022, 471, 375-392.	1.8	11
7	The ABCflux database: Arctic boreal CO ₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , 2022, 14, 179-208.	3.7	22
8	Does growing atmospheric CO ₂ explain increasing carbon sink in a boreal coniferous forest?. <i>Global Change Biology</i> , 2022, 28, 2910-2929.	4.2	23
9	Long-term fluxes of carbonyl sulfide and their seasonality and interannual variability in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2569-2584.	1.9	7
10	New Evidence for the Importance of Non-Stomatal Pathways in Ozone Deposition During Extreme Heat and Dry Anomalies. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	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. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4413-4469.	1.9	9
12	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems. <i>Global Change Biology</i> , 2022, 28, 2111-2123.	4.2	23
13	Technical note: Incorporating expert domain knowledge into causal structure discovery workflows. <i>Biogeosciences</i> , 2022, 19, 2095-2099.	1.3	1
14	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	8
15	Validation of turbulent heat transfer models against eddy covariance flux measurements over a seasonally ice-covered lake. <i>Geoscientific Model Development</i> , 2022, 15, 4739-4755.	1.3	1
16	A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. <i>Geoscientific Model Development</i> , 2022, 15, 4597-4623.	1.3	37
17	A revised dry deposition scheme for land-atmosphere exchange of trace gases in ECHAM/MESSy v2.54. <i>Geoscientific Model Development</i> , 2021, 14, 495-519.	1.3	11
18	Interannual variability on methane emissions in monsoon Asia derived from GOSAT and surface observations. <i>Environmental Research Letters</i> , 2021, 16, 024040.	2.2	14

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19	Validation of WRF-Chem Model and CAMS Performance in Estimating Near-Surface Atmospheric CO ₂ Mixing Ratio in the Area of Saint Petersburg (Russia). <i>Atmosphere</i> , 2021, 12, 387.	1.0	5
20	Substantial hysteresis in emergent temperature sensitivity of global wetland CH ₄ emissions. <i>Nature Communications</i> , 2021, 12, 2266.	5.8	34
21	Warming homogenizes apparent temperature sensitivity of ecosystem respiration. <i>Science Advances</i> , 2021, 7, .	4.7	28
22	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. <i>Global Change Biology</i> , 2021, 27, 3582-3604.	4.2	59
23	Assessing model performance via the most limiting environmental driver in two differently stressed pine stands. <i>Ecological Applications</i> , 2021, 31, e02312.	1.8	4
24	Improvement of modeling plant responses to low soil moisture in JULESv4.9 and evaluation against flux tower measurements. <i>Geoscientific Model Development</i> , 2021, 14, 3269-3294.	1.3	15
25	Statistical upscaling of ecosystem CO ₂ fluxes across the terrestrial tundra and boreal domain: Regional patterns and uncertainties. <i>Global Change Biology</i> , 2021, 27, 4040-4059.	4.2	83
26	Temperature Control of Spring CO ₂ Fluxes at a Coniferous Forest and a Peat Bog in Central Siberia. <i>Atmosphere</i> , 2021, 12, 984.	1.0	6
27	The high-frequency response correction of eddy covariance fluxes – Part 1: An experimental approach and its interdependence with the time-lag estimation. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5071-5088.	1.2	7
28	FLUXNET-CH ₄ : a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021, 13, 3607-3689.	3.7	79
29	The high-frequency response correction of eddy covariance fluxes – Part 2: An experimental approach for analysing noisy measurements of small fluxes. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5089-5106.	1.2	2
30	Carbon balance of a Finnish bog: temporal variability and limiting factors based on 6 years of eddy-covariance data. <i>Biogeosciences</i> , 2021, 18, 4681-4704.	1.3	5
31	The Multiscale Monitoring of Peatland Ecosystem Carbon Cycling in the Middle Taiga Zone of Western Siberia: The Mukhrino Bog Case Study. <i>Land</i> , 2021, 10, 824.	1.2	9
32	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021, 598, 468-472.	13.7	99
33	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO ₂ exchange across global forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108506.	1.9	13
34	An algorithm to detect non-background signals in greenhouse gas time series from European tall tower and mountain stations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6119-6135.	1.2	1
35	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH ₄ wetlands. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108528.	1.9	33
36	Evaluation and optimization of ICOS atmosphere station data as part of the labeling process. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 89-116.	1.2	13

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37	Variable Physical Drivers of Near-Surface Turbulence in a Regulated River. <i>Water Resources Research</i> , 2021, 57, e2020WR027939.	1.7	11
38	Ozone deposition impact assessments for forest canopies require accurate ozone flux partitioning on diurnal timescales. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18393-18411.	1.9	6
39	Evaluation of carbonyl sulfide biosphere exchange in the Simple Biosphere Model (SiB4). <i>Biogeosciences</i> , 2021, 18, 6547-6565.	1.3	21
40	Varying Vegetation Composition, Respiration and Photosynthesis Decrease Temporal Variability of the CO ₂ Sink in a Boreal Bog. <i>Ecosystems</i> , 2020, 23, 842-858.	1.6	11
41	Refining the role of phenology in regulating gross ecosystem productivity across European peatlands. <i>Global Change Biology</i> , 2020, 26, 876-887.	4.2	25
42	Evaluation of the LSA-SAF gross primary production product derived from SEVIRI/MSG data (MGPP). <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 159, 220-236.	4.9	12
43	Ecosystem transpiration and evaporation: Insights from three water flux partitioning methods across FLUXNET sites. <i>Global Change Biology</i> , 2020, 26, 6916-6930.	4.2	97
44	Warmer spring alleviated the impacts of 2018 European summer heatwave and drought on vegetation photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108195.	1.9	48
45	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	2.4	646
46	Effects of drought and meteorological forcing on carbon and water fluxes in Nordic forests during the dry summer of 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190516.	1.8	35
47	The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO ₂ measurements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190513.	1.8	31
48	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190524.	1.8	35
49	Effect of the 2018 European drought on methane and carbon dioxide exchange of northern mire ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190517.	1.8	34
50	Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032398.	1.2	34
51	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020, 10, 555-560.	8.1	106
52	Stomatal response to decreased relative humidity constrains the acceleration of terrestrial evapotranspiration. <i>Environmental Research Letters</i> , 2020, 15, 094066.	2.2	18
53	Impact of coordinate rotation on eddy covariance fluxes at complex sites. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107940.	1.9	8
54	Country-Scale Analysis of Methane Emissions with a High-Resolution Inverse Model Using GOSAT and Surface Observations. <i>Remote Sensing</i> , 2020, 12, 375.	1.8	28

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55	A Microbial Functional Group-Based CH ₄ Model Integrated Into a Terrestrial Ecosystem Model: Model Structure, Site-Level Evaluation, and Sensitivity Analysis. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001867.	1.3	7
56	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020, 15, 104004.	2.2	31
57	Towards standardized processing of eddy covariance flux measurements of carbonyl sulfide. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3957-3975.	1.2	14
58	Carbon dioxide and methane fluxes from different surface types in a created urban wetland. <i>Biogeosciences</i> , 2020, 17, 3409-3425.	1.3	5
59	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. <i>Earth System Science Data</i> , 2020, 12, 1295-1320.	3.7	33
60	Modeling the impacts of diffuse light fraction on photosynthesis in ORCHIDEE (v5453) land surface model. <i>Geoscientific Model Development</i> , 2020, 13, 5401-5423.	1.3	23
61	Inversion Estimates of Methane Emission in the Middle East in 2010-2017 with GOSAT Observations. , 2020, , .		0
62	Covariations between plant functional traits emerge from constraining parameterization of a terrestrial biosphere model. <i>Global Ecology and Biogeography</i> , 2019, 28, 1351-1365.	2.7	22
63	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. <i>Biogeosciences</i> , 2019, 16, 3747-3775.	1.3	150
64	Parameter calibration and stomatal conductance formulation comparison for boreal forests with adaptive population importance sampler in the land surface model JSBACH. <i>Geoscientific Model Development</i> , 2019, 12, 4075-4098.	1.3	10
65	Influences of light and humidity on carbonyl sulfide-based estimates of photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2470-2475.	3.3	30
66	Multi-year methane ebullition measurements from water and bare peat surfaces of a patterned boreal bog. <i>Biogeosciences</i> , 2019, 16, 2409-2421.	1.3	17
67	Diurnal and Seasonal Solar Induced Chlorophyll Fluorescence and Photosynthesis in a Boreal Scots Pine Canopy. <i>Remote Sensing</i> , 2019, 11, 273.	1.8	29
68	Applicability and consequences of the integration of alternative models for CO ₂ transfer velocity into a process-based lake model. <i>Biogeosciences</i> , 2019, 16, 3297-3317.	1.3	5
69	Methane Emission Estimates by the Global High-Resolution Inverse Model Using National Inventories. <i>Remote Sensing</i> , 2019, 11, 2489.	1.8	29
70	A Deep Learning Parameterization for Ozone Dry Deposition Velocities. <i>Geophysical Research Letters</i> , 2019, 46, 983-989.	1.5	17
71	Solar-induced chlorophyll fluorescence exhibits a universal relationship with gross primary productivity across a wide variety of biomes. <i>Global Change Biology</i> , 2019, 25, e4.	4.2	31
72	Monthly gridded data product of northern wetland methane emissions based on upscaling eddy covariance observations. <i>Earth System Science Data</i> , 2019, 11, 1263-1289.	3.7	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. <i>Journal of Vegetation Science</i> , 2018, 29, 136-146.	1.1	17
74	Strong radiative effect induced by clouds and smoke on forest net ecosystem productivity in central Siberia. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 376-387.	1.9	39
75	Soil fluxes of carbonyl sulfide (COS), carbon monoxide, and carbon dioxide in a boreal forest in southern Finland. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1363-1378.	1.9	27
76	Temporal variation of VOC fluxes measured with PTR-TOF above a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 815-832.	1.9	27
77	Retrieval of daily gross primary production over Europe and Africa from an ensemble of SEVIRI/MSG products. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 65, 124-136.	1.4	8
78	Limitations and Challenges of MODIS-Derived Phenological Metrics Across Different Landscapes in Pan-Arctic Regions. <i>Remote Sensing</i> , 2018, 10, 1784.	1.8	16
79	On the Applicability of Similarity Theory for the Stable Atmospheric Boundary Layer over Complex Terrain. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2018, 54, 462-471.	0.2	7
80	Direct effect of aerosols on solar radiation and gross primary production in boreal and hemiboreal forests. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17863-17881.	1.9	50
81	Methane Fluxes Into Atmosphere from Fennoscandian Lakes. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2018, 54, 570-580.	0.2	2
82	Vertical characterization of highly oxygenated molecules (HOMs) below and above a boreal forest canopy. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17437-17450.	1.9	34
83	Prediction of photosynthesis in Scots pine ecosystems across Europe by a needle-level theory. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13321-13328.	1.9	0
84	Synthetic ozone deposition and stomatal uptake at flux tower sites. <i>Biogeosciences</i> , 2018, 15, 5395-5413.	1.3	22
85	Methane and carbon dioxide fluxes over a lake: comparison between eddy covariance, floating chambers and boundary layer method. <i>Biogeosciences</i> , 2018, 15, 429-445.	1.3	81
86	Reviews and syntheses: Carbonyl sulfide as a multi-scale tracer for carbon and water cycles. <i>Biogeosciences</i> , 2018, 15, 3625-3657.	1.3	98
87	Small spatial variability in methane emission measured from a wet patterned boreal bog. <i>Biogeosciences</i> , 2018, 15, 1749-1761.	1.3	21
88	High-frequency productivity estimates for a lake from free-water CO ₂ concentration measurements. <i>Biogeosciences</i> , 2018, 15, 2021-2032.	1.3	5
89	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO ₂ , water, and energy fluxes on daily to annual scales. <i>Geoscientific Model Development</i> , 2018, 11, 497-519.	1.3	43
90	Temporal Variation of Ecosystem Scale Methane Emission From a Boreal Fen in Relation to Temperature, Water Table Position, and Carbon Dioxide Fluxes. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1087-1106.	1.9	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. <i>Boundary-Layer Meteorology</i> , 2018, 169, 163-184.	1.2	9
92	Effects of Climate Change on CO ₂ Concentration and Efflux in a Humic Boreal Lake: A Modeling Study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2212-2233.	1.3	14
93	Lake-Atmosphere Heat Flux Dynamics of a Thermokarst Lake in Arctic Siberia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5222-5239.	1.2	10
94	Solar-induced chlorophyll fluorescence is strongly correlated with terrestrial photosynthesis for a wide variety of biomes: First global analysis based on OCO ₂ and flux tower observations. <i>Global Change Biology</i> , 2018, 24, 3990-4008.	4.2	264
95	A Structure Function Model Recovers the Many Formulations for Air-Water Gas Transfer Velocity. <i>Water Resources Research</i> , 2018, 54, 5905-5920.	1.7	16
96	Estimating the storage term in eddy covariance measurements: the ICOS methodology. <i>International Agrophysics</i> , 2018, 32, 551-567.	0.7	25
97	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review. <i>International Agrophysics</i> , 2018, 32, 439-455.	0.7	55
98	Standardisation of eddy-covariance flux measurements of methane and nitrous oxide. <i>International Agrophysics</i> , 2018, 32, 517-549.	0.7	66
99	Eddy covariance raw data processing for CO ₂ and energy fluxes calculation at ICOS ecosystem stations. <i>International Agrophysics</i> , 2018, 32, 495-515.	0.7	62
100	ICOS eddy covariance flux-station site setup: a review. <i>International Agrophysics</i> , 2018, 32, 471-494.	0.7	59
101	Relationship between aerodynamic roughness length and bulk sedge leaf area index in a mixed-species boreal mire complex. <i>Geophysical Research Letters</i> , 2017, 44, 5836-5843.	1.5	15
102	Early snowmelt significantly enhances boreal springtime carbon uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11081-11086.	3.3	84
103	Atmospheric deposition, CO ₂ , and change in the land carbon sink. <i>Scientific Reports</i> , 2017, 7, 9632.	1.6	62
104	Simulating ozone dry deposition at a boreal forest with a multi-layer canopy deposition model. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1361-1379.	1.9	42
105	Canopy uptake dominates nighttime carbonyl sulfide fluxes in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11453-11465.	1.9	34
106	Net ecosystem exchange and energy fluxes measured with the eddy covariance technique in a western Siberian bog. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9333-9345.	1.9	31
107	Species-specific temporal variation in photosynthesis as a moderator of peatland carbon sequestration. <i>Biogeosciences</i> , 2017, 14, 257-269.	1.3	22
108	Detecting Inter-Annual Variations in the Phenology of Evergreen Conifers Using Long-Term MODIS Vegetation Index Time Series. <i>Remote Sensing</i> , 2017, 9, 49.	1.8	44

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109	Soil concentrations and soil-atmosphere exchange of alkylamines in a boreal Scots pine forest. <i>Biogeosciences</i> , 2017, 14, 1075-1091.	1.3	7
110	Response of water use efficiency to summer drought in a boreal Scots pine forest in Finland. <i>Biogeosciences</i> , 2017, 14, 4409-4422.	1.3	30
111	Carbon dioxide exchange of a perennial bioenergy crop cultivation on a mineral soil. <i>Biogeosciences</i> , 2016, 13, 1255-1268.	1.3	12
112	Assessing various drought indicators in representing summer drought in boreal forests in Finland. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 175-191.	1.9	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. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4915-4933.	1.2	69
114	LAKE 2.0: a model for temperature, methane, carbon dioxide and oxygen dynamics in lakes. <i>Geoscientific Model Development</i> , 2016, 9, 1977-2006.	1.3	80
115	Random uncertainties of flux measurements by the eddy covariance technique. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5163-5181.	1.2	58
116	Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites. <i>Geoscientific Model Development</i> , 2016, 9, 479-504.	1.3	36
117	Large-eddy simulation and stochastic modeling of Lagrangian particles for footprint determination in the stable boundary layer. <i>Geoscientific Model Development</i> , 2016, 9, 2925-2949.	1.3	29
118	Seasonal and diurnal variation in CO fluxes from an agricultural bioenergy crop. <i>Biogeosciences</i> , 2016, 13, 5471-5485.	1.3	10
119	<i>Pinus sylvestris</i> as a missing source of nitrous oxide and methane in boreal forest. <i>Scientific Reports</i> , 2016, 6, 23410.	1.6	99
120	Importance of vegetation classes in modeling CH ₄ emissions from boreal and subarctic wetlands in Finland. <i>Science of the Total Environment</i> , 2016, 572, 1111-1122.	3.9	23
121	Calibration and validation of a semi-empirical flux ecosystem model for coniferous forests in the Boreal region. <i>Ecological Modelling</i> , 2016, 341, 37-52.	1.2	39
122	Neglecting diurnal variations leads to uncertainties in terrestrial nitrous oxide emissions. <i>Scientific Reports</i> , 2016, 6, 25739.	1.6	51
123	Aerosol dynamics within and above forest in relation to turbulent transport and dry deposition. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3145-3160.	1.9	14
124	High upward fluxes of formic acid from a boreal forest canopy. <i>Geophysical Research Letters</i> , 2016, 43, 9342-9351.	1.5	36
125	Wind speed modeling using a vector autoregressive process with a time-dependent intercept term. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 77, 91-99.	3.3	24
126	Constraining ecosystem model with adaptive Metropolis algorithm using boreal forest site eddy covariance measurements. <i>Nonlinear Processes in Geophysics</i> , 2016, 23, 447-465.	0.6	4

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127	Carbon dioxide and energy fluxes over a small boreal lake in Southern Finland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1296-1314.	1.3	64
128	Studying the spatial variability of methane flux with five eddy covariance towers of varying height. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 456-472.	1.9	27
129	Effects of water clarity on lake stratification and lake-atmosphere heat exchange. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7412-7428.	1.2	77
130	Intercomparison of fast response commercial gas analysers for nitrous oxide flux measurements under field conditions. <i>Biogeosciences</i> , 2015, 12, 415-432.	1.3	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. <i>Environmental Science & Technology</i> , 2015, 49, 11388-11394.	4.6	20
132	Evaluating the performance of commonly used gas analysers for methane eddy covariance flux measurements: the InGOS inter-comparison field experiment. <i>Biogeosciences</i> , 2014, 11, 3163-3186.	1.3	38
133	Sorption-Caused Attenuation and Delay of Water Vapor Signals in Eddy-Covariance Sampling Tubes and Filters. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 2629-2649.	0.5	11
134	Precipitation and net ecosystem exchange are the most important drivers of DOC flux in upland boreal catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1861-1878.	1.3	27
135	Latent heat exchange in the boreal and arctic biomes. <i>Global Change Biology</i> , 2014, 20, 3439-3456.	4.2	52
136	Comparison between static chamber and tunable diode laser-based eddy covariance techniques for measuring nitrous oxide fluxes from a cotton field. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 9-19.	1.9	97
137	Evolution of the nocturnal decoupled layer in a pine forest canopy. <i>Agricultural and Forest Meteorology</i> , 2013, 174-175, 15-27.	1.9	33
138	Interannual variability of net ecosystem productivity in forests is explained by carbon flux phenology in autumn. <i>Global Ecology and Biogeography</i> , 2013, 22, 994-1006.	2.7	144
139	Representing Land Surface Heterogeneity: Offline Analysis of the Tiling Method. <i>Journal of Hydrometeorology</i> , 2013, 14, 850-867.	0.7	11
140	Field intercomparison of four methane gas analyzers suitable for eddy covariance flux measurements. <i>Biogeosciences</i> , 2013, 10, 3749-3765.	1.3	42
141	Ozone deposition into a boreal forest over a decade of observations: evaluating deposition partitioning and driving variables. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 12165-12182.	1.9	72
142	Characterization of a boreal convective boundary layer and its impact on atmospheric chemistry during HUMPPA-COPEC-2010. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9335-9353.	1.9	45
143	Combined effects of surface conditions, boundary layer dynamics and chemistry on diurnal SOA evolution. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6827-6843.	1.9	27
144	Long-term energy flux measurements and energy balance over a small boreal lake using eddy covariance technique. <i>Journal of Geophysical Research</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5591-5601.	1.9	31
146	Long-term aerosol particle flux observations. Part II: Particle size statistics and deposition velocities. <i>Atmospheric Environment</i> , 2011, 45, 3794-3805.	1.9	25
147	Challenges for evaluating process-based models of gas exchange. <i>Forest Systems</i> , 2011, 20, 389.	0.1	20
148	Greenhouse gas fluxes in a drained peatland forest during spring frost-thaw event. <i>Biogeosciences</i> , 2010, 7, 1715-1727.	1.3	39
149	A case study of eddy covariance flux of N ₂ O measured within forest ecosystems: quality control and flux error analysis. <i>Biogeosciences</i> , 2010, 7, 427-440.	1.3	45
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