J William Munger

List of Publications by Year in Descending Order

225 papers	29,412 citations	82 h-index	170 g-index
257 ext. papers	32,469 ext. citations	9.2 avg, IF	6.28 L-index

#	Paper	IF	Citations
225	The changing carbon balance of tundra ecosystems: results from a vertically-resolved peatland biosphere model. *Environmental Research Letters*, **2022**, 17, 014019	6.2	1
224	Ground-Based Platforms. *Springer Handbooks*, **2021**, 155-182	1.3	1
223	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. *Agricultural and Forest Meteorology*, **2021**, 301-302, 108350	5.8	43
222	Selected breakpoints of net forest carbon uptake at four eddy-covariance sites. *Tellus, Series B: Chemical and Physical Meteorology*, **2021**, 73, 1-12	3.3	4
221	Science to Commerce: A Commercial-Scale Protocol for Carbon Trading Applied to a 28-Year Record of Forest Carbon Monitoring at the Harvard Forest. *Land*, **2021**, 10, 163	3.5	5
220	Previously unaccounted atmospheric mercury deposition in a midlatitude deciduous forest. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	11
219	Peak radial growth of diffuse-porous species occurs during periods of lower water availability than for ring-porous and coniferous trees. *Tree Physiology*, **2021**,	4.2	2
218	Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032398	4.4	19
217	Precipitation extremes influence patterns and partitioning of evapotranspiration and transpiration in a deciduous boreal larch forest. *Agricultural and Forest Meteorology*, **2020**, 287, 107936	5.8	9
216	Dry Deposition of Ozone over Land: Processes, Measurement, and Modeling. *Reviews of Geophysics*, **2020**, 58, e2019RG000670	23.1	47
215	ECOSTRESS: NASAQ Next Generation Mission to Measure Evapotranspiration From the International Space Station. *Water Resources Research*, **2020**, 56, e2019WR026058	5.4	98
214	Evaluating ChinaQ anthropogenic CO₂ emissions inventories: a□northern China case study using continuous surface observations from 2005 to 2009. *Atmospheric Chemistry and Physics*, **2020**, 20, 3569-3588	6.8	2
213	Direct measurement forest carbon protocol: a commercial system-of-systems to incentivize forest restoration and management. *PeerJ*, **2020**, 8, e8891	3.1	3
212	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. *Scientific Data*, **2020**, 7, 225	8.2	256
211	Carbon budget of the Harvard Forest Long-Term Ecological Research site: pattern, process, and response to global change. *Ecological Monographs*, **2020**, 90, e01423	9	26
210	Global Importance of Hydroxymethanesulfonate in Ambient Particulate Matter: Implications for Air Quality. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032706	4.4	14
209	Listening to the Forest: An Artificial Neural Network-Based Model of Carbon Uptake at Harvard Forest. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 461-478	3.7	3

208	Possible heterogeneous chemistry of hydroxymethanesulfonate (HMS) in northern China winter haze. *Atmospheric Chemistry and Physics*, **2019**, 19, 1357-1371	6.8	63
207	Disentangling the role of photosynthesis and stomatal conductance on rising forest water-use efficiency. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16909-16914	11.5	91
206	Atmospheric measurements of the terrestrial O₂ : CO₂ exchange ratio of a midlatitude forest. *Atmospheric Chemistry and Physics*, **2019**, 19, 8687-8701	6.8	6
205	Spatiotemporal Controls on Observed Daytime Ozone Deposition Velocity Over Northeastern U.S. Forests During Summer. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 5612-5628	4.4	16
204	A Deep Learning Parameterization for Ozone Dry Deposition Velocities. *Geophysical Research Letters*, **2019**, 46, 983-989	4.9	12
203	Seasonal variation of source contributions to eddy-covariance CO2 measurements in a mixed hardwood-conifer forest. *Agricultural and Forest Meteorology*, **2018**, 253-254, 71-83	5.8	10
202	A novel correction for biases in forest eddy covariance carbon balance. *Agricultural and Forest Meteorology*, **2018**, 250-251, 90-101	5.8	21
201	Assessing the interplay between canopy energy balance and photosynthesis with cellulose 𝛥: large-scale patterns and independent ground-truthing. *Oecologia*, **2018**, 187, 995-1007	2.9	10
200	Carbon exchange in an Amazon forest: from hours to years. *Biogeosciences*, **2018**, 15, 4833-4848	4.6	11
199	Assessing biotic contributions to CO₂ fluxes in northern China using the Vegetation, Photosynthesis and Respiration Model (VPRM-CHINA) and observations from 2005 to 2009. *Biogeosciences*, **2018**, 15, 6713-6729	4.6	6
198	Possible heterogeneous hydroxymethanesulfonate (HMS) chemistry in northern China winter haze and implications for rapid sulfate formation **2018**,		2
197	Contribution of Hydroxymethane Sulfonate to Ambient Particulate Matter: A Potential Explanation for High Particulate Sulfur During Severe Winter Haze in Beijing. *Geophysical Research Letters*, **2018**, 45, 11,969	4.9	46
196	Synthetic ozone deposition and stomatal uptake at flux tower sites. *Biogeosciences*, **2018**, 15, 5395-5413	4.6	14
195	Warming-Induced Earlier Greenup Leads to Reduced Stream Discharge in a Temperate Mixed Forest Catchment. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 1960-1975	3.7	22
194	Increased water yield due to the hemlock woolly adelgid infestation in New England. *Geophysical Research Letters*, **2017**, 44, 2327-2335	4.9	24
193	Interannual variability in ozone removal by a temperate deciduous forest. *Geophysical Research Letters*, **2017**, 44, 542-552	4.9	41
192	Using multi-source data from lidar, radar, imaging spectroscopy, and national forest inventories to simulate forest carbon fluxes. *International Journal of Remote Sensing*, **2017**, 38, 5464-5486	3.1	
191	Chlorophyll fluorescence tracks seasonal variations of photosynthesis from leaf to canopy in a temperate forest. *Global Change Biology*, **2017**, 23, 2874-2886	11.4	88

190	Dynamics of canopy stomatal conductance, transpiration, and evaporation in a temperate deciduous forest, validated by carbonyl sulfide uptake. *Biogeosciences*, **2017**, 14, 389-401	4.6	64
189	Bayesian calibration of terrestrial ecosystem models: a study of advanced Markov chain Monte Carlo methods. *Biogeosciences*, **2017**, 14, 4295-4314	4.6	16
188	Atmospheric deposition, CO, and change in the land carbon sink. *Scientific Reports*, **2017**, 7, 9632	4.9	41
187	Ecosystem fluxes of hydrogen in a mid-latitude forest driven by soil microorganisms and plants. *Global Change Biology*, **2017**, 23, 906-919	11.4	11
186	Integrating a model with remote sensing observations by a data assimilation approach to improve the model simulation accuracy of carbon flux and evapotranspiration at two flux sites. *Science China Earth Sciences*, **2016**, 59, 337-348	4.6	7
185	Modelling bidirectional fluxes of methanol and acetaldehyde with the FORCAsT canopy exchange model. *Atmospheric Chemistry and Physics*, **2016**, 16, 15461-15484	6.8	6
184	Comparison of net ecosystem carbon exchange estimation in a mixed temperate forest using field eddy covariance and MODIS data. *SpringerPlus*, **2016**, 5, 491		1
183	Seasonality of temperate forest photosynthesis and daytime respiration. *Nature*, **2016**, 534, 680-3	50.4	147
182	Limited effect of ozone reductions on the 20-year photosynthesis trend at Harvard forest. *Global Change Biology*, **2016**, 22, 3750-3759	11.4	15
181	Canopy-scale biophysical controls of transpiration and evaporation in the Amazon Basin. *Hydrology and Earth System Sciences*, **2016**, 20, 4237-4264	5.5	32
180	Solar-induced chlorophyll fluorescence that correlates with canopy photosynthesis on diurnal and seasonal scales in a temperate deciduous forest. *Geophysical Research Letters*, **2015**, 42, 2977-2987	4.9	303
179	Influence of physiological phenology on the seasonal pattern of ecosystem respiration in deciduous forests. *Global Change Biology*, **2015**, 21, 363-76	11.4	41
178	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements. *Atmospheric Chemistry and Physics*, **2015**, 15, 2577-2613	6.8	25
177	A modified micrometeorological gradient method for estimating O₃ dry depositions over a forest canopy. *Atmospheric Chemistry and Physics*, **2015**, 15, 7487-7496	6.8	19
176	On the ability of a global atmospheric inversion to constrain variations of CO₂ fluxes over Amazonia. *Atmospheric Chemistry and Physics*, **2015**, 15, 8423-8438	6.8	5
175	Seasonal fluxes of carbonyl sulfide in a midlatitude forest. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14162-7	11.5	54
174	Greenness indices from digital cameras predict the timing and seasonal dynamics of canopy-scale photosynthesis **2015**, 25, 99-115		100
173	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements **2015**, 15, 2577-2613		4

172	Imaging spectroscopy- and lidar-derived estimates of canopy composition and structure to improve predictions of forest carbon fluxes and ecosystem dynamics. *Geophysical Research Letters*, **2014**, 41, 2535-2542	4.9	44
171	Intercomparison of field measurements of nitrous acid (HONO) during the SHARP campaign. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 5583-5601	4.4	27
170	Tracking forest phenology and seasonal physiology using digital repeat photography: a critical assessment **2014**, 24, 1478-89		153
169	Net carbon uptake has increased through warming-induced changes in temperate forest phenology. *Nature Climate Change*, **2014**, 4, 598-604	21.4	442
168	CO₂, CO, and CH₄ measurements from tall towers in the NOAA Earth System Research Laboratory's Global Greenhouse Gas Reference Network: instrumentation, uncertainty analysis, and recommendations for future high-accuracy greenhouse gas monitoring efforts. *Atmospheric Measurement Techniques*, **2014**, 7, 647-687	4	147
167	Ecosystem fluxes of hydrogen: a comparison of flux-gradient methods. *Atmospheric Measurement Techniques*, **2014**, 7, 2787-2805	4	14
166	Keenan et al. reply. *Nature*, **2014**, 507, E2-3	50.4	4
165	Tree-ring δ13 C tracks flux tower ecosystem productivity estimates in a NE temperate forest. *Environmental Research Letters*, **2014**, 9, 074011	6.2	40
164	Increase in forest water-use efficiency as atmospheric carbon dioxide concentrations rise. *Nature*, **2013**, 499, 324-7	50.4	719
163	Carbonyl sulfide in the planetary boundary layer: Coastal and continental influences. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 8001-8009	4.4	17
162	Rate my data: quantifying the value of ecological data for the development of models of the terrestrial carbon cycle **2013**, 23, 273-86		63
161	Long-term eddy covariance measurements of the isotopic composition of the ecosystem–atmosphere exchange of CO2 in a temperate forest. *Agricultural and Forest Meteorology*, **2013**, 181, 69-84	5.8	31
160	Use of change-point detection for friction–velocity threshold evaluation in eddy-covariance studies. *Agricultural and Forest Meteorology*, **2013**, 171-172, 31-45	5.8	102
159	CO₂, CO and CH₄ measurements from the NOAA Earth System Research Laboratory's Tall Tower Greenhouse Gas Observing Network: instrumentation, uncertainty analysis and recommendations for future high-accuracy greenhouse gas monitoring efforts **2013**,		18
158	Soil respiration in a northeastern US temperate forest: a 22-year synthesis. *Ecosphere*, **2013**, 4, art140	3.1	61
157	Top-down estimate of China's black carbon emissions using surface observations: Sensitivity to observation representativeness and transport model error. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 5781-5795	4.4	22
156	Urban measurements of atmospheric nitrous acid: A caveat on the interpretation of the HONO photostationary state. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 12,274-12,281	4.4	30
155	Variations in Atmospheric CO2 Mixing Ratios across a Boston, MA Urban to Rural Gradient. *Land*, **2013**, 2, 304-327	3.5	44

154	Evaluating the agreement between measurements and models of net ecosystem exchange at different times and timescales using wavelet coherence: an example using data from the North American Carbon Program Site-Level Interim Synthesis. *Biogeosciences*, **2013**, 10, 6893-6909	4.6	25
153	Atmospheric variability and emissions of halogenated trace gases near New York City. *Atmospheric Environment*, **2012**, 47, 533-540	5.3	5
152	Using model-data fusion to interpret past trends, and quantify uncertainties in future projections, of terrestrial ecosystem carbon cycling. *Global Change Biology*, **2012**, 18, 2555-2569	11.4	135
151	Effective line strengths of trans-nitrous acid near 1275 cm⁻¹ and cis-nitrous acid at 1660 cm⁻¹. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2012**, 113, 1905-1912	2.1	13
150	Measurement, Tower, and Site Design Considerations **2012**, 21-58		18
149	Data assimilation of photosynthetic light-use efficiency using multi-angular satellite data: II Model implementation and validation. *Remote Sensing of Environment*, **2012**, 121, 287-300	13.2	35
148	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. *New Phytologist*, **2012**, 194, 775-783	9.8	81
147	Estimating the net ecosystem exchange for the major forests in the northern United States by integrating MODIS and AmeriFlux data. *Agricultural and Forest Meteorology*, **2012**, 156, 75-84	5.8	35
146	Interannual and spatial impacts of phenological transitions, growing season length, and spring and autumn temperatures on carbon sequestration: A North America flux data synthesis. *Global and Planetary Change*, **2012**, 92-93, 179-190	4.2	54
145	A model-data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		239
144	Root niche separation can explain avoidance of seasonal drought stress and vulnerability of overstory trees to extended drought in a mature Amazonian forest. *Water Resources Research*, **2012**, 48,	5.4	50
143	The Amazon basin in transition. *Nature*, **2012**, 481, 321-8	50.4	729
142	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Site Synthesis. *Global Change Biology*, **2012**, 18, 566-584	11.4	481
141	Carbon monoxide and related trace gases and aerosols over the Amazon Basin during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2012**, 12, 6041-6065	6.8	62
140	Nitrogen deposition to the United States: distribution, sources, and processes. *Atmospheric Chemistry and Physics*, **2012**, 12, 4539-4554	6.8	212
139	Combining tower mixing ratio and community model data to estimate regional-scale net ecosystem carbon exchange by boundary layer inversion over four flux towers in the United States. *Journal of Geophysical Research*, **2011**, 116,		7
138	Black carbon and its correlation with trace gases at a rural site in Beijing: Top-down constraints from ambient measurements on bottom-up emissions. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		37
137	Characterizing the performance of ecosystem models across time scales: A spectral analysis of the North American Carbon Program site-level synthesis. *Journal of Geophysical Research*, **2011**, 116,		66

136	The potential of carbonyl sulfide as a proxy for gross primary production at flux tower sites. *Journal of Geophysical Research*, **2011**, 116,		40
135	Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. *Agricultural and Forest Meteorology*, **2011** , 151, 60-69	5.8	145
134	Quantification of terrestrial ecosystem carbon dynamics in the conterminous United States combining a process-based biogeochemical model and MODIS and AmeriFlux data. *Biogeosciences*, **2011**, 8, 2665-2688	4.6	22
133	Controls on winter ecosystem respiration in temperate and boreal ecosystems. *Biogeosciences*, **2011**, 8, 2009-2025	4.6	35
132	Emissions of isoprenoids and oxygenated biogenic volatile organic compounds from a New England mixed forest. *Atmospheric Chemistry and Physics*, **2011**, 11, 4807-4831	6.8	45
131	Reactive Chemistry in Aircraft Exhaust: Implications for Air Quality. *Transportation Research Record*, **2011**, 2206, 19-23	1.7	1
130	Evaluating the calculated dry deposition velocities of reactive nitrogen oxides and ozone from two community models over a temperate deciduous forest. *Atmospheric Environment*, **2011**, 45, 2663-2674	5.3	53
129	Simultaneous measurements of atmospheric HONO and NO2 via absorption spectroscopy using tunable mid-infrared continuous-wave quantum cascade lasers. *Applied Physics B: Lasers and Optics*, **2011**, 102, 417-423	1.9	44
128	Measurements of nitrous acid in commercial aircraft exhaust at the Alternative Aviation Fuel Experiment. *Environmental Science & Technology*, **2011**, 45, 7648-54	10.3	18
127	A new model of net ecosystem carbon exchange for the deciduous-dominated forest by integrating MODIS and flux data. *Ecological Engineering*, **2011**, 37, 1567-1571	3.9	18
126	Observed increase in local cooling effect of deforestation at higher latitudes. *Nature*, **2011**, 479, 384-7	50.4	403
125	Year round measurements of O3 and CO at a rural site near Beijing: variations in their correlations. *Tellus, Series B: Chemical and Physical Meteorology*, **2010**, 62, 228-241	3.3	11
124	Climate control of terrestrial carbon exchange across biomes and continents. *Environmental Research Letters*, **2010**, 5, 034007	6.2	116
123	CO₂ and its correlation with CO at a rural site near Beijing: implications for combustion efficiency in China. *Atmospheric Chemistry and Physics*, **2010**, 10, 8881-8897	6.8	103
122	Influence of spring and autumn phenological transitions on forest ecosystem productivity. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 3227-46	5.8	594
121	Responses of terrestrial ecosystems and carbon budgets to current and future environmental variability. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 8275-80	11.5	86
120	Interannual, seasonal, and diel variation in soil respiration relative to ecosystem respiration at a wetland to upland slope at Harvard Forest. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		48
119	A continuous measure of gross primary production for the conterminous United States derived from MODIS and AmeriFlux data. *Remote Sensing of Environment*, **2010**, 114, 576-591	13.2	183

118	Comparison of multiple models for estimating gross primary production using MODIS and eddy covariance data in Harvard Forest. *Remote Sensing of Environment*, **2010**, 114, 2925-2939	13.2	117
117	Influence of spring phenology on seasonal and annual carbon balance in two contrasting New England forests. *Tree Physiology*, **2009**, 29, 321-31	4.2	263
116	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. *Global Change Biology*, **2009**, 15, 2905-2920	11.4	84
115	The MODIS (Collection V005) BRDF/albedo product: Assessment of spatial representativeness over forested landscapes. *Remote Sensing of Environment*, **2009**, 113, 2476-2498	13.2	208
114	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO2. *Agricultural and Forest Meteorology*, **2009**, 149, 1919-1930	5.8	87
113	Toward a consistency cross-check of eddy covariance flux-based and biometric estimates of ecosystem carbon balance. *Global Biogeochemical Cycles*, **2009**, 23, n/a-n/a	5.9	51
112	Modeling the carbon balance of Amazonian rain forests: resolving ecological controls on net ecosystem productivity. *Ecological Monographs*, **2009**, 79, 445-463	9	27
111	Mechanistic scaling of ecosystem function and dynamics in space and time: Ecosystem Demography model version 2. *Journal of Geophysical Research*, **2009**, 114,		336
110	Phenology of Forest-Atmosphere Carbon Exchange for Deciduous and Coniferous Forests in Southern and Northern New England **2009**, 119-141		10
109	Ozone air quality during the 2008 Beijing Olympics: effectiveness of emission restrictions. *Atmospheric Chemistry and Physics*, **2009**, 9, 5237-5251	6.8	168
108	A satellite-based biosphere parameterization for net ecosystem CO2 exchange: Vegetation Photosynthesis and Respiration Model (VPRM). *Global Biogeochemical Cycles*, **2008**, 22, n/a-n/a	5.9	167
107	Resolving systematic errors in estimates of net ecosystem exchange of CO2 and ecosystem respiration in a tropical forest biome. *Agricultural and Forest Meteorology*, **2008**, 148, 1266-1279	5.8	43
106	Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. *Agricultural and Forest Meteorology*, **2008**, 148, 1827-1847	5.8	191
105	Canopy nitrogen, carbon assimilation, and albedo in temperate and boreal forests: Functional relations and potential climate feedbacks. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 19336-41	11.5	275
104	Variations of O₃ and CO in summertime at a rural site near Beijing. *Atmospheric Chemistry and Physics*, **2008**, 8, 6355-6363	6.8	67
103	Factors controlling CO2 exchange on timescales from hourly to decadal at Harvard Forest. *Journal of Geophysical Research*, **2007**, 112,		388
102	Seasonal controls on the exchange of carbon and water in an Amazonian rain forest. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		155
101	CO2 balance of boreal, temperate, and tropical forests derived from a global database. *Global Change Biology*, **2007**, 13, 2509-2537	11.4	744

100	What are the instrumentation requirements for measuring the isotopic composition of net ecosystem exchange of CO2 using eddy covariance methods?. *Isotopes in Environmental and Health Studies*, **2006**, 42, 115-33	1.5	29
99	Evaluation of remote sensing based terrestrial productivity from MODIS using regional tower eddy flux network observations. *IEEE Transactions on Geoscience and Remote Sensing*, **2006**, 44, 1908-1925	8.1	475
98	Anthropogenic emissions of nonmethane hydrocarbons in the northeastern United States: Measured seasonal variations from 1992–1996 and 1999–2001. *Journal of Geophysical Research*, **2006**, 111,		26
97	Preface to special section on New Approaches to Quantifying Exchanges of Carbon and Energy Across a Range of Scales. *Journal of Geophysical Research*, **2006**, 111,		6
96	A multi-site analysis of random error in tower-based measurements of carbon and energy fluxes. *Agricultural and Forest Meteorology*, **2006**, 136, 1-18	5.8	361
95	Atmospheric reactive nitrogen concentration and flux budgets at a Northeastern U.S. forest site. *Agricultural and Forest Meteorology*, **2006**, 136, 159-174	5.8	35
94	Comparing simple respiration models for eddy flux and dynamic chamber data. *Agricultural and Forest Meteorology*, **2006**, 141, 219-234	5.8	110
93	What can tracer observations in the continental boundary layer tell us about surface-atmosphere fluxes?. *Atmospheric Chemistry and Physics*, **2006**, 6, 539-554	6.8	54
92	What have we learned from intensive atmospheric sampling field programmes of CO2?. *Tellus, Series B: Chemical and Physical Meteorology*, **2006**, 58, 331-343	3.3	28
91	Estimating regional carbon exchange in New England and Quebec by combining atmospheric, ground-based and satellite data. *Tellus, Series B: Chemical and Physical Meteorology*, **2006**, 58, 344-358	3.3	65
90	Atmospheric reactive nitrogen concentration and flux budgets at a Northeastern U.S. forest site. *Agricultural and Forest Meteorology*, **2005**, 133, 210-225	5.8	33
89	Wind-induced error in the measurement of soil respiration using closed dynamic chambers. *Agricultural and Forest Meteorology*, **2005**, 131, 225-232	5.8	72
88	Climatic variability and vegetation vulnerability in Amazonia. *Geophysical Research Letters*, **2005**, 32,	4.9	87
87	Canopy-scale δ13C of photosynthetic and respiratory CO2 fluxes: observations in forest biomes across the United States. *Global Change Biology*, **2005**, 11, 633-643	11.4	64
86	Post-Field Data Quality Control **2004**, 181-208		185
85	Regional carbon dioxide fluxes from mixing ratio data. *Tellus, Series B: Chemical and Physical Meteorology*, **2004**, 56, 301-311	3.3	11
84	Regional carbon dioxide fluxes from mixing ratio data. *Tellus, Series B: Chemical and Physical Meteorology*, **2004**, 56, 301-311	3.3	63
83	Export of NOy from the North American boundary layer: Reconciling aircraft observations and global model budgets. *Journal of Geophysical Research*, **2004**, 109,		67

82	Fluxes of nitrogen oxides over a temperate deciduous forest. *Journal of Geophysical Research*, **2004**, 109,		59
81	A nonparametric method for separating photosynthesis and respiration components in CO2 flux measurements. *Geophysical Research Letters*, **2004**, 31, n/a-n/a	4.9	21
80	A major regional air pollution event in the northeastern United States caused by extensive forest fires in Quebec, Canada. *Journal of Geophysical Research*, **2004**, 109,		97
79	Scaling Gross Primary Production (GPP) over boreal and deciduous forest landscapes in support of MODIS GPP product validation. *Remote Sensing of Environment*, **2003**, 88, 256-270	13.2	245
78	Atmospheric science: Ultraviolet light and leaf emission of NO(x). *Nature*, **2003**, 422, 134	50.4	36
77	Emission and long-range transport of gaseous mercury from a large-scale Canadian boreal forest fire. *Environmental Science & Technology*, **2003**, 37, 4343-7	10.3	109
76	Carbon in Amazon forests: unexpected seasonal fluxes and disturbance-induced losses. *Science*, **2003**, 302, 1554-7	33.3	556
75	Response of a deciduous forest to the Mount Pinatubo eruption: enhanced photosynthesis. *Science*, **2003**, 299, 2035-8	33.3	475
74	Seasonality of ecosystem respiration and gross primary production as derived from FLUXNET measurements. *Agricultural and Forest Meteorology*, **2002**, 113, 53-74	5.8	540
73	Phase and amplitude of ecosystem carbon release and uptake potentials as derived from FLUXNET measurements. *Agricultural and Forest Meteorology*, **2002**, 113, 75-95	5.8	136
72	Environmental controls over carbon dioxide and water vapor exchange of terrestrial vegetation. *Agricultural and Forest Meteorology*, **2002**, 113, 97-120	5.8	965
71	Factors controlling long- and short-term sequestration of atmospheric CO2 in a mid-latitude forest. *Science*, **2001**, 294, 1688-91	33.3	472
70	FLUXNET: A New Tool to Study the Temporal and Spatial Variability of Ecosystem–Scale Carbon Dioxide, Water Vapor, and Energy Flux Densities. *Bulletin of the American Meteorological Society*, **2001**, 82, 2415-2434	6.1	2615
69	A survey of thunderstorm flash rates compared to cloud top height using TRMM satellite data. *Journal of Geophysical Research*, **2001**, 106, 24089-24095		81
68	Investigation of the nighttime decay of isoprene. *Journal of Geophysical Research*, **2001**, 106, 24335-24346		43
67	Gap filling strategies for defensible annual sums of net ecosystem exchange. *Agricultural and Forest Meteorology*, **2001**, 107, 43-69	5.8	1381
66	Gap filling strategies for long term energy flux data sets. *Agricultural and Forest Meteorology*, **2001**, 107, 71-77	5.8	417
65	ATMOSPHERIC CHEMISTRY: Enhanced: The NO2 Flux Conundrum. *Science*, **2000**, 289, 2291-2293	33.3	83

64	Increasing background ozone in surface air over the United States. *Geophysical Research Letters*, **2000**, 27, 3465-3468	4.9	76
63	Nitric acid and ammonia at a rural northeastern U.S. site. *Journal of Geophysical Research*, **1999**, 104, 1645-1661		64
62	Influence of biotic exchange and combustion sources on atmospheric CO2 concentrations in New England from observations at a forest flux tower. *Journal of Geophysical Research*, **1999**, 104, 9561-9569		61
61	Concentrations and snow-atmosphere fluxes of reactive nitrogen at Summit, Greenland. *Journal of Geophysical Research*, **1999**, 104, 13721-13734		39
60	Seasonal budgets of reactive nitrogen species and ozone over the United States, and export fluxes to the global atmosphere. *Journal of Geophysical Research*, **1998**, 103, 13435-13450		142
59	Air-snow exchange of HNO3 and NO y at Summit, Greenland. *Journal of Geophysical Research*, **1998**, 103, 3475-3486		106
58	Regional budgets for nitrogen oxides from continental sources: Variations of rates for oxidation and deposition with season and distance from source regions. *Journal of Geophysical Research*, **1998**, 103, 8355-8368		85
57	Harvard Forest regional-scale air mass composition by Patterns in Atmospheric Transport History (PATH). *Journal of Geophysical Research*, **1998**, 103, 13181-13194		56
56	Seasonal course of isoprene emissions from a midlatitude deciduous forest. *Journal of Geophysical Research*, **1998**, 103, 31045-31056		90
55	Sensitivity of boreal forest carbon balance to soil thaw. *Science*, **1998**, 279, 214-7	33.3	651
54	Physiological responses of a black spruce forest to weather. *Journal of Geophysical Research*, **1997**, 102, 28987-28996		283
53	Climatologies of NOxx and NOy: A comparison of data and models. *Atmospheric Environment*, **1997**, 31, 1851-1904	5.3	99
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