Bobby Braswell

List of Publications by Year in Descending Order

59 papers	9,618 citations	42 h-index	61 g-index
61 ext. papers	10,420 ext. citations	9.8 avg, IF	5.69 L-index

#	Paper	IF	Citations
59	Ancient Amazonian populations left lasting impacts on forest structure. *Ecosphere*, **2017**, 8, e02035	3.1	28
58	Evaluating multiple causes of persistent low microwave backscatter from Amazon forests after the 2005 drought. *PLoS ONE*, **2017**, 12, e0183308	3.7	6
57	Attribution of net carbon change by disturbance type across forest lands of the conterminous United States. *Carbon Balance and Management*, **2016**, 11, 24	3.6	36
56	Predicting pre-Columbian anthropogenic soils in Amazonia. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132475	4.4	89
55	Joint data assimilation of satellite reflectance and net ecosystem exchange data constrains ecosystem carbon fluxes at a high-elevation subalpine forest. *Agricultural and Forest Meteorology*, **2014**, 195-196, 73-88	5.8	15
54	Moderate-Resolution Remote Sensing and Geospatial Analyses of Microclimates, Mounds, and Maize in the Northern Great Lakes. *Advances in Archaeological Practice*, **2014**, 2, 195-207	1.1	4
53	Linking near-surface and satellite remote sensing measurements of deciduous broadleaf forest phenology. *Remote Sensing of Environment*, **2012**, 117, 307-321	13.2	201
52	Digital repeat photography for phenological research in forest ecosystems. *Agricultural and Forest Meteorology*, **2012**, 152, 159-177	5.8	352
51	Storm intensity and old-growth forest disturbances in the Amazon region. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	46
50	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
49	Near-surface remote sensing of spatial and temporal variation in canopy phenology **2009**, 19, 1417-28		340
48	Prolonged suppression of ecosystem carbon dioxide uptake after an anomalously warm year. *Nature*, **2008**, 455, 383-6	50.4	120
47	Statistical properties of random CO2 flux measurement uncertainty inferred from model residuals. *Agricultural and Forest Meteorology*, **2008**, 148, 38-50	5.8	117
46	Trends in wintertime climate in the northeastern United States: 19652005. *Journal of Geophysical Research*, **2008**, 113,		62
45	Integrating waveform lidar with hyperspectral imagery for inventory of a northern temperate forest. *Remote Sensing of Environment*, **2008**, 112, 1856-1870	13.2	155
44	Amazon Forest Structure from IKONOS Satellite Data and the Automated Characterization of Forest Canopy Properties. *Biotropica*, **2008**, 40, 141-150	2.3	83
43	Environmental variation is directly responsible for short- but not long-term variation in forest-atmosphere carbon exchange. *Global Change Biology*, **2007**, 13, 788-803	11.4	198

42	Use of digital webcam images to track spring green-up in a deciduous broadleaf forest. *Oecologia*, **2007**, 152, 323-34	2.9	415
41	Refining light-use efficiency calculations for a deciduous forest canopy using simultaneous tower-based carbon flux and radiometric measurements. *Agricultural and Forest Meteorology*, **2007**, 143, 64-79	5.8	202
40	Comprehensive comparison of gap-filling techniques for eddy covariance net carbon fluxes. *Agricultural and Forest Meteorology*, **2007**, 147, 209-232	5.8	645
39	Environmental variation is directly responsible for short- but not long-term variation in forest-atmosphere carbon exchange. *Global Change Biology*, **2007**, 070621084512023-???	11.4	
38	Statistical uncertainty of eddy flux-based estimates of gross ecosystem carbon exchange at Howland Forest, Maine. *Journal of Geophysical Research*, **2006**, 111,		74
37	Comparing CO2 retrieved from Atmospheric Infrared Sounder with model predictions: Implications for constraining surface fluxes and lower-to-upper troposphere transport. *Journal of Geophysical Research*, **2006**, 111,		38
36	Comparing simple respiration models for eddy flux and dynamic chamber data. *Agricultural and Forest Meteorology*, **2006**, 141, 219-234	5.8	110
35	Model-data synthesis of diurnal and seasonal CO2 fluxes at Niwot Ridge, Colorado. *Global Change Biology*, **2006**, 12, 240-259	11.4	85
34	Characterization of seasonal variation of forest canopy in a temperate deciduous broadleaf forest, using daily MODIS data. *Remote Sensing of Environment*, **2006**, 105, 189-203	13.2	60
33	Remembrance of Weather Past: Ecosystem Responses to Climate Variability **2005**, 350-368		4
32	The value of multiangle measurements for retrieving structurally and radiatively consistent properties of clouds, aerosols, and surfaces. *Remote Sensing of Environment*, **2005**, 97, 495-518	13.2	135
31	Estimating light absorption by chlorophyll, leaf and canopy in a deciduous broadleaf forest using MODIS data and a radiative transfer model. *Remote Sensing of Environment*, **2005**, 99, 357-371	13.2	161
30	Spatial analysis of growing season length control over net ecosystem exchange. *Global Change Biology*, **2005**, 11, 1777-1787	11.4	277
29	Estimating diurnal to annual ecosystem parameters by synthesis of a carbon flux model with eddy covariance net ecosystem exchange observations. *Global Change Biology*, **2005**, 11, 335-355	11.4	275
28	NITROGEN DEPOSITION ONTO THE UNITED STATES AND WESTERN EUROPE: SYNTHESIS OF OBSERVATIONS AND MODELS **2005**, 15, 38-57		309
27	The Role of Mid-latitude Mountains in the Carbon Cycle: Global Perspective and a Western US Case Study. *Advances in Global Change Research*, **2005**, 449-456	1.2	10
26	ECOLOGICAL RESEARCH IN THE LARGE-SCALE BIOSPHERE□ATMOSPHERE EXPERIMENT IN AMAZONIA: EARLY RESULTS **2004**, 14, 3-16		113
25	Short- and long-term greenhouse gas and radiative forcing impacts of changing water management in Asian rice paddies. *Global Change Biology*, **2004**, 10, 1180-1196	11.4	43

24	Modeling gross primary production of temperate deciduous broadleaf forest using satellite images and climate data. *Remote Sensing of Environment*, **2004**, 91, 256-270	13.2	484
23	IKONOS imagery for the Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA). *Remote Sensing of Environment*, **2003**, 88, 111-127	13.2	36
22	A multivariable approach for mapping sub-pixel land cover distributions using MISR and MODIS: Application in the Brazilian Amazon region. *Remote Sensing of Environment*, **2003**, 87, 243-256	13.2	73
21	Sensitivity of vegetation indices to atmospheric aerosols: continental-scale observations in Northern Asia. *Remote Sensing of Environment*, **2003**, 84, 385-392	13.2	130
20	Determination of subpixel fractions of nonforested area in the Amazon using multiresolution satellite sensor data. *Journal of Geophysical Research*, **2002**, 107, LBA 16-1		9
19	Detecting and predicting spatial and interannual patterns of temperate forest springtime phenology in the eastern U.S.. *Geophysical Research Letters*, **2002**, 29, 54-1-54-4	4.9	40
18	. *Tellus, Series B: Chemical and Physical Meteorology*, **2001**, 53, 150-170	3.3	33
17	Recent patterns and mechanisms of carbon exchange by terrestrial ecosystems. *Nature*, **2001**, 414, 169-72	30.4	1018
16	A diagnostic study of temperature controls on global terrestrial carbon exchange. *Tellus, Series B: Chemical and Physical Meteorology*, **2001**, 53, 150-170	3.3	21
15	Satellite observation of El Niño effects on Amazon Forest phenology and productivity. *Geophysical Research Letters*, **2000**, 27, 981-984	4.9	124
14	Contemporary and pre-industrial global reactive nitrogen budgets **1999**, 7-43		24
13	Contemporary and pre-industrial global reactive nitrogen budgets. *Biogeochemistry*, **1999**, 46, 7-43	3.8	269
12	Contemporary and pre-industrial global reactive nitrogen budgets. *Biogeochemistry*, **1999**, 46, 7-43	3.8	87
11	Ecological Research Needs from Multiangle Remote Sensing Data. *Remote Sensing of Environment*, **1998**, 63, 155-165	13.2	113
10	CONTINENTAL SCALE VARIABILITY IN ECOSYSTEM PROCESSES: MODELS, DATA, AND THE ROLE OF DISTURBANCE. *Ecological Monographs*, **1997**, 67, 251-271	9	160
9	Equilibration of the terrestrial water, nitrogen, and carbon cycles. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 8280-3	11.5	130
8	The Response of Global Terrestrial Ecosystems to Interannual Temperature Variability. *Science*, **1997**, 278, 870-873	33.3	367
7	Variations in the predicted spatial distribution of atmospheric nitrogen deposition and their impact on carbon uptake by terrestrial ecosystems. *Journal of Geophysical Research*, **1997**, 102, 15849-15866		227

6	Climate and nitrogen controls on the geography and timescales of terrestrial biogeochemical cycling. *Global Biogeochemical Cycles*, **1996**, 10, 677-692	5.9	145
5	Extracting ecological and biophysical information from AVHRR optical data: An integrated algorithm based on inverse modeling. *Journal of Geophysical Research*, **1996**, 101, 23335-23348		39
4	Spatial and Temporal Patterns in Terrestrial Carbon Storage Due to Deposition of Fossil Fuel Nitrogen **1996**, 6, 806-814		297
3	Process controls and similarity in the us continental-scale hydrological cycle from eof analysis of regional climate model simulations. *Hydrological Processes*, **1995**, 9, 437-444	3.3	9
2	The lifetime of excess atmospheric carbon dioxide. *Global Biogeochemical Cycles*, **1994**, 8, 23-38	5.9	43
1	Climatic, edaphic, and biotic controls over storage and turnover of carbon in soils. *Global Biogeochemical Cycles*, **1994**, 8, 279-293	5.9	723