

Bobby Braswell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Recent patterns and mechanisms of carbon exchange by terrestrial ecosystems. <i>Nature</i> , 2001 , 414, 169-172	5.4	1018
58	Climatic, edaphic, and biotic controls over storage and turnover of carbon in soils. <i>Global Biogeochemical Cycles</i> , 1994 , 8, 279-293	5.9	723
57	Comprehensive comparison of gap-filling techniques for eddy covariance net carbon fluxes. <i>Agricultural and Forest Meteorology</i> , 2007 , 147, 209-232	5.8	645
56	Modeling gross primary production of temperate deciduous broadleaf forest using satellite images and climate data. <i>Remote Sensing of Environment</i> , 2004 , 91, 256-270	13.2	484
55	Use of digital webcam images to track spring green-up in a deciduous broadleaf forest. <i>Oecologia</i> , 2007 , 152, 323-34	2.9	415
54	The Response of Global Terrestrial Ecosystems to Interannual Temperature Variability. <i>Science</i> , 1997 , 278, 870-873	33.3	367
53	Digital repeat photography for phenological research in forest ecosystems. <i>Agricultural and Forest Meteorology</i> , 2012 , 152, 159-177	5.8	352
52	Near-surface remote sensing of spatial and temporal variation in canopy phenology 2009 , 19, 1417-28		340
51	NITROGEN DEPOSITION ONTO THE UNITED STATES AND WESTERN EUROPE: SYNTHESIS OF OBSERVATIONS AND MODELS 2005 , 15, 38-57		309
50	Spatial and Temporal Patterns in Terrestrial Carbon Storage Due to Deposition of Fossil Fuel Nitrogen 1996 , 6, 806-814		297
49	Spatial analysis of growing season length control over net ecosystem exchange. <i>Global Change Biology</i> , 2005 , 11, 1777-1787	11.4	277
48	Estimating diurnal to annual ecosystem parameters by synthesis of a carbon flux model with eddy covariance net ecosystem exchange observations. <i>Global Change Biology</i> , 2005 , 11, 335-355	11.4	275
47	Contemporary and pre-industrial global reactive nitrogen budgets. <i>Biogeochemistry</i> , 1999 , 46, 7-43	3.8	269
46	Variations in the predicted spatial distribution of atmospheric nitrogen deposition and their impact on carbon uptake by terrestrial ecosystems. <i>Journal of Geophysical Research</i> , 1997 , 102, 15849-15866		227
45	The MODIS (Collection V005) BRDF/albedo product: Assessment of spatial representativeness over forested landscapes. <i>Remote Sensing of Environment</i> , 2009 , 113, 2476-2498	13.2	208
44	Refining light-use efficiency calculations for a deciduous forest canopy using simultaneous tower-based carbon flux and radiometric measurements. <i>Agricultural and Forest Meteorology</i> , 2007 , 143, 64-79	5.8	202
43	Linking near-surface and satellite remote sensing measurements of deciduous broadleaf forest phenology. <i>Remote Sensing of Environment</i> , 2012 , 117, 307-321	13.2	201

42	Environmental variation is directly responsible for short- but not long-term variation in forest-atmosphere carbon exchange. <i>Global Change Biology</i> , 2007 , 13, 788-803	11.4	198
41	Estimating light absorption by chlorophyll, leaf and canopy in a deciduous broadleaf forest using MODIS data and a radiative transfer model. <i>Remote Sensing of Environment</i> , 2005 , 99, 357-371	13.2	161
40	CONTINENTAL SCALE VARIABILITY IN ECOSYSTEM PROCESSES: MODELS, DATA, AND THE ROLE OF DISTURBANCE. <i>Ecological Monographs</i> , 1997 , 67, 251-271	9	160
39	Integrating waveform lidar with hyperspectral imagery for inventory of a northern temperate forest. <i>Remote Sensing of Environment</i> , 2008 , 112, 1856-1870	13.2	155
38	Climate and nitrogen controls on the geography and timescales of terrestrial biogeochemical cycling. <i>Global Biogeochemical Cycles</i> , 1996 , 10, 677-692	5.9	145
37	The value of multiangle measurements for retrieving structurally and radiatively consistent properties of clouds, aerosols, and surfaces. <i>Remote Sensing of Environment</i> , 2005 , 97, 495-518	13.2	135
36	Equilibration of the terrestrial water, nitrogen, and carbon cycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 8280-3	11.5	130
35	Sensitivity of vegetation indices to atmospheric aerosols: continental-scale observations in Northern Asia. <i>Remote Sensing of Environment</i> , 2003 , 84, 385-392	13.2	130
34	Satellite observation of El Niño effects on Amazon Forest phenology and productivity. <i>Geophysical Research Letters</i> , 2000 , 27, 981-984	4.9	124
33	Prolonged suppression of ecosystem carbon dioxide uptake after an anomalously warm year. <i>Nature</i> , 2008 , 455, 383-6	50.4	120
32	Statistical properties of random CO ₂ flux measurement uncertainty inferred from model residuals. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 38-50	5.8	117
31	Ecological Research Needs from Multiangle Remote Sensing Data. <i>Remote Sensing of Environment</i> , 1998 , 63, 155-165	13.2	113
30	ECOLOGICAL RESEARCH IN THE LARGE-SCALE BIOSPHERE/ATMOSPHERE EXPERIMENT IN AMAZONIA: EARLY RESULTS 2004 , 14, 3-16		113
29	Comparing simple respiration models for eddy flux and dynamic chamber data. <i>Agricultural and Forest Meteorology</i> , 2006 , 141, 219-234	5.8	110
28	Predicting pre-Columbian anthropogenic soils in Amazonia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132475	4.4	89
27	Contemporary and pre-industrial global reactive nitrogen budgets. <i>Biogeochemistry</i> , 1999 , 46, 7-43	3.8	87
26	Model-data synthesis of diurnal and seasonal CO ₂ fluxes at Niwot Ridge, Colorado. <i>Global Change Biology</i> , 2006 , 12, 240-259	11.4	85
25	Amazon Forest Structure from IKONOS Satellite Data and the Automated Characterization of Forest Canopy Properties. <i>Biotropica</i> , 2008 , 40, 141-150	2.3	83

24	Statistical uncertainty of eddy flux-based estimates of gross ecosystem carbon exchange at Howland Forest, Maine. <i>Journal of Geophysical Research</i> , 2006 , 111,		74
23	A multivariable approach for mapping sub-pixel land cover distributions using MISR and MODIS: Application in the Brazilian Amazon region. <i>Remote Sensing of Environment</i> , 2003 , 87, 243-256	13.2	73
22	Trends in wintertime climate in the northeastern United States: 1965-2005. <i>Journal of Geophysical Research</i> , 2008 , 113,		62
21	Characterization of seasonal variation of forest canopy in a temperate deciduous broadleaf forest, using daily MODIS data. <i>Remote Sensing of Environment</i> , 2006 , 105, 189-203	13.2	60
20	Storm intensity and old-growth forest disturbances in the Amazon region. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	46
19	Short- and long-term greenhouse gas and radiative forcing impacts of changing water management in Asian rice paddies. <i>Global Change Biology</i> , 2004 , 10, 1180-1196	11.4	43
18	The lifetime of excess atmospheric carbon dioxide. <i>Global Biogeochemical Cycles</i> , 1994 , 8, 23-38	5.9	43
17	Detecting and predicting spatial and interannual patterns of temperate forest springtime phenology in the eastern U.S.. <i>Geophysical Research Letters</i> , 2002 , 29, 54-1-54-4	4.9	40
16	Extracting ecological and biophysical information from AVHRR optical data: An integrated algorithm based on inverse modeling. <i>Journal of Geophysical Research</i> , 1996 , 101, 23335-23348		39
15	Comparing CO ₂ retrieved from Atmospheric Infrared Sounder with model predictions: Implications for constraining surface fluxes and lower-to-upper troposphere transport. <i>Journal of Geophysical Research</i> , 2006 , 111,		38
14	IKONOS imagery for the Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA). <i>Remote Sensing of Environment</i> , 2003 , 88, 111-127	13.2	36
13	Attribution of net carbon change by disturbance type across forest lands of the conterminous United States. <i>Carbon Balance and Management</i> , 2016 , 11, 24	3.6	36
12	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001 , 53, 150-170	3.3	33
11	Ancient Amazonian populations left lasting impacts on forest structure. <i>Ecosphere</i> , 2017 , 8, e02035	3.1	28
10	Contemporary and pre-industrial global reactive nitrogen budgets 1999 , 7-43		24
9	A diagnostic study of temperature controls on global terrestrial carbon exchange. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001 , 53, 150-170	3.3	21
8	Joint data assimilation of satellite reflectance and net ecosystem exchange data constrains ecosystem carbon fluxes at a high-elevation subalpine forest. <i>Agricultural and Forest Meteorology</i> , 2014 , 195-196, 73-88	5.8	15
7	The Role of Mid-latitude Mountains in the Carbon Cycle: Global Perspective and a Western US Case Study. <i>Advances in Global Change Research</i> , 2005 , 449-456	1.2	10

6	Determination of subpixel fractions of nonforested area in the Amazon using multiresolution satellite sensor data. <i>Journal of Geophysical Research</i> , 2002 , 107, LBA 16-1		9
5	Process controls and similarity in the us continental-scale hydrological cycle from eof analysis of regional climate model simulations. <i>Hydrological Processes</i> , 1995 , 9, 437-444	3.3	9
4	Evaluating multiple causes of persistent low microwave backscatter from Amazon forests after the 2005 drought. <i>PLoS ONE</i> , 2017 , 12, e0183308	3.7	6
3	Moderate-Resolution Remote Sensing and Geospatial Analyses of Microclimates, Mounds, and Maize in the Northern Great Lakes. <i>Advances in Archaeological Practice</i> , 2014 , 2, 195-207	1.1	4
2	Remembrance of Weather Past: Ecosystem Responses to Climate Variability 2005 , 350-368		4
1	Environmental variation is directly responsible for short- but not long-term variation in forest-atmosphere carbon exchange. <i>Global Change Biology</i> , 2007 , 070621084512023-???	11.4	