

Ankur R Desai

List of Publications by Year in descending order

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Version: 2024-02-01

189
papers

13,497
citations

24978

57
h-index

25716

108
g-index

250
all docs

250
docs citations

250
times ranked

12525
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil moisture as an essential component for delineating and forecasting agricultural rather than meteorological drought. <i>Remote Sensing of Environment</i> , 2022, 269, 112833.	4.6	31
2	Statement of Contribution to Diversity, Equity, and Inclusion for <i>JGR: Biogeosciences</i>. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	5
3	How High to Fly? Mapping Evapotranspiration from Remotely Piloted Aircrafts at Different Elevations. <i>Remote Sensing</i> , 2022, 14, 1660.	1.8	5
4	Letter of Appreciation to Our 2021 Reviewers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	1
5	Diagnosing discrepancies between observations and models of surface energy fluxes in a mid-latitude lake. <i>Journal of Hydrometeorology</i> , 2022, , .	0.7	0
6	Evaluation of Satellite-Derived Signatures for Three Verified Hailstorms in Central Argentina. <i>Meteorology</i> , 2022, 1, 183-210.	0.6	1
7	Clusterâ€Enhanced Ensemble Learning for Mapping Global Monthly Surface Ozone From 2003 to 2019. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
8	Unraveling Forest Complexity: Resource Use Efficiency, Disturbance, and the Structureâ€Function Relationship. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	10
9	Past to Present: An Update to the Aims and Scope of <i>JGR</i> : <i>Biogeosciences</i>. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	1
10	Growing season carbon dynamics differ in intermediate wheatgrass monoculture versus biculture with red clover. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109062.	1.9	5
11	Beyond ecosystem modeling: A roadmap to community cyberinfrastructure for ecological dataâ€model integration. <i>Global Change Biology</i> , 2021, 27, 13-26.	4.2	44
12	Simultaneous Measurements of O₃ and HCOOH Vertical Fluxes Indicate Rapid Inâ€Canopy Terpene Chemistry Enhances O₃ Removal Over Mixed Temperate Forests. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090996.	1.5	11
13	Aircraft-based inversions quantify the importance of wetlands and livestock for Upper Midwest methane emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 951-971.	1.9	14
14	Evaluation of a CONUS-Wide ECOSTRESS DisALEXI Evapotranspiration Product. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 10117-10133.	2.3	6
15	Connecting Landâ€Atmosphere Interactions to Surface Heterogeneity in CHEESEHEAD19. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E421-E445.	1.7	40
16	Substantial hysteresis in emergent temperature sensitivity of global wetland CH4 emissions. <i>Nature Communications</i> , 2021, 12, 2266.	5.8	34
17	Warming homogenizes apparent temperature sensitivity of ecosystem respiration. <i>Science Advances</i> , 2021, 7, .	4.7	28
18	Letter of Appreciation to Our 2020 Reviewers in the Time of COVIDâ€19. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006261.	1.3	0

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19	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	1.9	125
20	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
21	Characterization of field-scale soil variation using a stepwise multi-sensor fusion approach and a cost-benefit analysis. <i>Catena</i> , 2021, 201, 105190.	2.2	26
22	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	3.7	65
23	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
24	Conservation slows down emission increase from a tropical peatland in Indonesia. <i>Nature Geoscience</i> , 2021, 14, 484-490.	5.4	35
25	Significant Reductions in Crop Yields From Air Pollution and Heat Stress in the United States. <i>Earth's Future</i> , 2021, 9, e2021EF002000.	2.4	18
26	Evaluation of prediction and forecasting models for evapotranspiration of agricultural lands in the Midwest U.S. <i>Journal of Hydrology</i> , 2021, 600, 126579.	2.3	21
27	Integrating continuous atmospheric boundary layer and tower-based flux measurements to advance understanding of land-atmosphere interactions. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108509.	1.9	31
28	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021, 598, 468-472.	13.7	99
29	Multi-Sensor Approach for High Space and Time Resolution Land Surface Temperature. <i>Earth and Space Science</i> , 2021, 8, e2021EA001842.	1.1	14
30	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
31	Seasonality in aerodynamic resistance across a range of North American ecosystems. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108613.	1.9	14
32	Lagged Wetland CH ₄ Flux Response in a Historically Wet Year. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006458.	1.3	6
33	Novel approach to observing system simulation experiments improves information gain of surface-atmosphere field measurements. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6929-6954.	1.2	3
34	The Importance of Spring Mixing in Evaluating Carbon Dioxide and Methane Flux From a Small North-Temperate Lake in Wisconsin, United States. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006537.	1.3	7
35	Tree Cover and Diversity Modulate the Response of Carbon Storage to Precipitation Variability in an Indian Semi-Arid Forest. <i>Current Science</i> , 2021, 119, 1517.	0.4	0
36	Site Characteristics Mediate the Relationship Between Forest Productivity and Satellite Measured Solar Induced Fluorescence. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	4

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37	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
38	COSORE: A community database for continuous soil respiration and other soil-atmosphere greenhouse gas flux data. <i>Global Change Biology</i> , 2020, 26, 7268-7283.	4.2	50
39	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	2.4	646
40	Thank You to Our 2019 Reviewers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005700.	1.3	0
41	Comparing Spatial and Temporal Variation of Lake-atmosphere Carbon Dioxide Fluxes Using Multiple Methods. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005623.	1.3	8
42	Retrieving Heterogeneous Surface Soil Moisture at 100 m Across the Globe via Fusion of Remote Sensing and Land Surface Parameters. <i>Frontiers in Water</i> , 2020, 2, .	1.0	11
43	Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020, 12, 3605.	1.8	4
44	Satellite Determination of Peatland Water Table Temporal Dynamics by Localizing Representative Pixels of A SWIR-Based Moisture Index. <i>Remote Sensing</i> , 2020, 12, 2936.	1.8	16
45	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020, 10, 555-560.	8.1	106
46	Increasing Dairy Sustainability with Integrated Crop-Livestock Farming. <i>Sustainability</i> , 2020, 12, 765.	1.6	13
47	Impact of forest plantation on methane emissions from tropical peatland. <i>Global Change Biology</i> , 2020, 26, 2477-2495.	4.2	34
48	Synoptic Meteorology Explains Temperate Forest Carbon Uptake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005476.	1.3	4
49	Using the red chromatic coordinate to characterize the phenology of forest canopy photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2020, 285-286, 107910.	1.9	27
50	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. <i>Water Resources Research</i> , 2020, 56, e2019WR026058.	1.7	220
51	Can Data Mining Help Eddy Covariance See the Landscape? A Large-Eddy Simulation Study. <i>Boundary-Layer Meteorology</i> , 2020, 176, 85-103.	1.2	15
52	Geospatial coherence of surface-atmosphere fluxes in the upper Great Lakes region. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108188.	1.9	3
53	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020, 15, 104004.	2.2	31
54	Automated Integration of Continental-Scale Observations in Near-Real Time for Simulation and Analysis of Biosphere-atmosphere Interactions. <i>Communications in Computer and Information Science</i> , 2020, , 204-225.	0.4	1

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55	Diagnosing the Influence of a Receding Snow Boundary on Simulated Midlatitude Cyclones Using Piecewise Potential Vorticity Inversion. <i>Monthly Weather Review</i> , 2020, 148, 4479-4495.	0.5	1
56	Growth and opportunities in networked synthesis through AmeriFlux. <i>New Phytologist</i> , 2019, 222, 1685-1687.	3.5	6
57	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
58	Large Spatial and Temporal Variability of Carbon Dioxide and Methane in a Eutrophic Lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2248-2266.	1.3	39
59	PEATâ€œCLSM: A Specific Treatment of Peatland Hydrology in the NASA Catchment Land Surface Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2130-2162.	1.3	40
60	The eddy-covariance storage term in air: Consistent community resources improve flux measurement reliability. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107734.	1.9	13
61	Wind Sheltering Impacts on Land-Atmosphere Fluxes Over Fens. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	8
62	Comparing in-situ leaf observations in early spring with flux tower CO2 exchange, MODIS EVI and modeled LAI in a northern mixed forest. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107673.	1.9	17
63	Size distribution of particulate matter in runoff from different leaf surfaces during controlled rainfall processes. <i>Environmental Pollution</i> , 2019, 255, 113234.	3.7	28
64	Evaluation of Low-Cost, Automated Lake Ice Thickness Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 527-534.	0.5	4
65	Trade-Offs in Flux Disaggregation: A Large-Eddy Simulation Study. <i>Boundary-Layer Meteorology</i> , 2019, 170, 69-93.	1.2	13
66	Solarâ€œinduced 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
67	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
68	Carbon sink and source dynamics of a eutrophic deep lake using multiple flux observations over multiple years. <i>Limnology and Oceanography Letters</i> , 2018, 3, 285-292.	1.6	27
69	Carbon Flux Phenology from the Sky: Evaluation for Maize and Soybean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 877-892.	0.5	3
70	Wetland flux controls: how does interacting water table levels and temperature influence carbon dioxide and methane fluxes in northern Wisconsin?. <i>Biogeochemistry</i> , 2018, 137, 15-25.	1.7	40
71	The AmeriFlux network: A coalition of the willing. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 444-456.	1.9	140
72	Using imaging spectroscopy to detect variation in terrestrial ecosystem productivity across a waterâ€œstressed landscape. <i>Ecological Applications</i> , 2018, 28, 1313-1324.	1.8	32

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73	Time dependency of eddy covariance site energy balance. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 467-478.	1.9	23
74	Surface-atmosphere exchange in a box: Space-time resolved storage and net vertical fluxes from tower-based eddy covariance. <i>Agricultural and Forest Meteorology</i> , 2018, 255, 81-91.	1.9	19
75	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. <i>Nature Climate Change</i> , 2018, 8, 1092-1096.	8.1	145
76	Toward a Social-Ecological Theory of Forest Macrosystems for Improved Ecosystem Management. <i>Forests</i> , 2018, 9, 200.	0.9	9
77	Quantifying the effect of forest age in annual net forest carbon balance. <i>Environmental Research Letters</i> , 2018, 13, 124018.	2.2	67
78	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
79	Assessing the interplay between canopy energy balance and photosynthesis with cellulose $\delta^{18}O$: large-scale patterns and independent ground-truthing. <i>Oecologia</i> , 2018, 187, 995-1007.	0.9	13
80	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
81	Temporal Dynamics of Aerodynamic Canopy Height Derived From Eddy Covariance Momentum Flux Data Across North American Flux Networks. <i>Geophysical Research Letters</i> , 2018, 45, 9275-9287.	1.5	31
82	It's So UnFAIR!. <i>Eos</i> , 2018, 99, .	0.1	0
83	Direct and indirect climate change effects on carbon dioxide fluxes in a thawing boreal forest-wetland landscape. <i>Global Change Biology</i> , 2017, 23, 3231-3248.	4.2	65
84	A Numerical Case Study of the Implications of Secondary Circulations to the Interpretation of Eddy-Covariance Measurements Over Small Lakes. <i>Boundary-Layer Meteorology</i> , 2017, 165, 311-332.	1.2	24
85	Interspecific and interannual variation in the duration of spring phenophases in a northern mixed forest. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 55-67.	1.9	29
86	Large Uncertainty in Estimating CO_2 From Carbonate Equilibria in Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2909-2924.	1.3	39
87	The SMAP Level 4 Carbon Product for Monitoring Ecosystem Land-Atmosphere CO ₂ Exchange. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6517-6532.	2.7	69
88	The value of soil respiration measurements for interpreting and modeling terrestrial carbon cycling. <i>Plant and Soil</i> , 2017, 413, 1-25.	1.8	81
89	Upscaling tower-observed turbulent exchange at fine spatio-temporal resolution using environmental response functions. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 10-22.	1.9	57
90	Quantifying Seasonal Patterns in Disparate Environmental Variables Using the PolarMetrics R Package. , 2017, , .		1

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91	eddy4RÂ0.2.0: a DevOps model for community-extensible processing and analysis of eddy-covariance data based on R, Git, Docker, and HDF5. <i>Geoscientific Model Development</i> , 2017, 10, 3189-3206.	1.3	33
92	Thawing Permafrost: Monitored, Quantified, Predicted. <i>Eos</i> , 2017, 98, .	0.1	0
93	Montane ecosystem productivity responds more to global circulation patterns than climatic trends. <i>Environmental Research Letters</i> , 2016, 11, 024013.	2.2	19
94	Short-term favorable weather conditions are an important control of interannual variability in carbon and water fluxes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2186-2198.	1.3	60
95	Lake ice measurements from soil water content reflectometer sensors. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 224-230.	1.0	4
96	Warm spring reduced carbon cycle impact of the 2012 US summer drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5880-5885.	3.3	340
97	Carbonyl sulfide exchange in soils for better estimates of ecosystem carbon uptake. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3711-3726.	1.9	54
98	Response and biophysical regulation of carbon dioxide fluxes to climate variability and anomaly in contrasting ecosystems in northwestern Ohio, USA. <i>Agricultural and Forest Meteorology</i> , 2016, 220, 50-68.	1.9	17
99	Your Science Is Your (Openly Shared) Data. <i>Eos</i> , 2016, 97, .	0.1	2
100	Peer review report 2 On "Climate change, phenology, and phenological control of vegetation feedbacks to the climate system" <i>Agricultural and Forest Meteorology</i> , 2015, 201, 213.	1.9	0
101	Peer review report 2 On "Measuring soil frost depth in forest ecosystems with ground penetrating radar" <i>Agricultural and Forest Meteorology</i> , 2015, 201, 454.	1.9	0
102	Peer review report 2 On "Synthesis on the carbon budget and cycling in a Danish, temperate deciduous forest" <i>Agricultural and Forest Meteorology</i> , 2015, 201, 256-257.	1.9	0
103	Observations of $^{14}\text{CO}_2$ in ecosystem respiration from a temperate deciduous forest in Northern Wisconsin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 600-616.	1.3	7
104	Peer reviewer recognition for 2014. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1471-1474.	1.3	0
105	Model-data assimilation of multiple phenological observations to constrain and predict leaf area index. <i>Ecological Applications</i> , 2015, 25, 546-558.	1.8	30
106	Non-invasive hyperspectral imaging approach for fruit quality control application and classification: case study of apple, chikoo, guava fruits. <i>Journal of Food Science and Technology</i> , 2015, 52, 6978-6989.	1.4	22
107	The uncertain climate footprint of wetlands under human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4594-4599.	3.3	171
108	Assessing Interactions Among Changing Climate, Management, and Disturbance in Forests: A Macrosystems Approach. <i>BioScience</i> , 2015, 65, 263-274.	2.2	38

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109	Climatic variability, hydrologic anomaly, and methane emission can turn productive freshwater marshes into net carbon sources. <i>Global Change Biology</i> , 2015, 21, 1165-1181.	4.2	53
110	Remotely estimating photosynthetic capacity, and its response to temperature, in vegetation canopies using imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2015, 167, 78-87.	4.6	137
111	Seasonal variations in phenology and productivity of a tropical dry deciduous forest from MODIS and Hyperion. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 91-105.	1.9	20
112	Landscape-level terrestrial methane flux observed from a very tall tower. <i>Agricultural and Forest Meteorology</i> , 2015, 201, 61-75.	1.9	61
113	Measurements, Modeling, and Scaling of Inland Water Gas Exchange. <i>Eos</i> , 2015, 96, .	0.1	4
114	CO ₂ , CO, and CH ₄ 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. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 647-687.	1.2	199
115	Quantifying the effects of harvesting on carbon fluxes and stocks in northern temperate forests. <i>Biogeosciences</i> , 2014, 11, 6667-6682.	1.3	18
116	Comparison of multiple models for remote sensing of carbon exchange using MODIS data in conifer-dominated forests. <i>International Journal of Remote Sensing</i> , 2014, 35, 8252-8271.	1.3	1
117	Data-based perfect-deficit approach to understanding climate extremes and forest carbon assimilation capacity. <i>Environmental Research Letters</i> , 2014, 9, 065002.	2.2	13
118	Relationship between Snow Extent and Midlatitude Disturbance Centers. <i>Journal of Climate</i> , 2014, 27, 2971-2982.	1.2	13
119	Influence and predictive capacity of climate anomalies on daily to decadal extremes in canopy photosynthesis. <i>Photosynthesis Research</i> , 2014, 119, 31-47.	1.6	31
120	Can EVI-derived land-surface phenology be used as a surrogate for phenology of canopy photosynthesis?. <i>International Journal of Remote Sensing</i> , 2014, 35, 1162-1174.	1.3	52
121	Data-driven diagnostics of terrestrial carbon dynamics over North America. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 142-157.	1.9	88
122	Drought and Deforestation: Has Land Cover Change Influenced Recent Precipitation Extremes in the Amazon?. <i>Journal of Climate</i> , 2014, 27, 345-361.	1.2	160
123	A quantitative assessment of a terrestrial biosphere model's data needs across North American biomes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 286-300.	1.3	92
124	Characterizing the diurnal patterns of errors in the prediction of evapotranspiration by several land-surface models: An NACP analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1458-1473.	1.3	69
125	The spatial scale dependence of water vapor variability inferred from observations from a very tall tower. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9822-9837.	1.2	6
126	How is water-use efficiency of terrestrial ecosystems distributed and changing on Earth?. <i>Scientific Reports</i> , 2014, 4, 7483.	1.6	181

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127	Persistent reduced ecosystem respiration after insect disturbance in high elevation forests. <i>Ecology Letters</i> , 2013, 16, 731-737.	3.0	90
128	Sustained Analgesia Achieved Through Esterase-Activated Morphine Prodrugs Complexed with PAMAM Dendrimer. <i>Pharmaceutical Research</i> , 2013, 30, 247-256.	1.7	16
129	Positive impacts of precipitation intensity on monthly CO ₂ fluxes in North America. <i>Global and Planetary Change</i> , 2013, 100, 204-214.	1.6	11
130	Monitoring the seasonal and interannual variation of the carbon sequestration in a temperate deciduous forest with MODIS time series data. <i>Forest Ecology and Management</i> , 2013, 306, 150-160.	1.4	12
131	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
132	Modeling Soil and Biomass Carbon Responses to Declining Water Table in a Wetland-Rich Landscape. <i>Ecosystems</i> , 2013, 16, 491-507.	1.6	22
133	Biological and physical influences on soil $\delta^{14}\text{C}$ and $\delta^{13}\text{C}$ in CO ₂ fluxes: seasonal dynamics in a temperate hardwood forest. <i>Biogeosciences</i> , 2013, 10, 7999-8012.	1.3	28
134	Effects of land cover change on moisture availability and potential crop yield in the world's breadbaskets. <i>Environmental Research Letters</i> , 2012, 7, 014009.	2.2	69
135	Assessing filtering of mountaintop CO ₂ mole fractions for application to inverse models of biosphere-atmosphere carbon exchange. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2099-2115.	1.9	20
136	Partitioning of Net Fluxes. , 2012, , 263-289.		33
137	Remote sensing of canopy light use efficiency in temperate and boreal forests of North America using MODIS imagery. <i>Remote Sensing of Environment</i> , 2012, 118, 60-72.	4.6	49
138	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	3.5	111
139	Estimating the net ecosystem exchange for the major forests in the northern United States by integrating MODIS and AmeriFlux data. <i>Agricultural and Forest Meteorology</i> , 2012, 156, 75-84.	1.9	41
140	Evaluation of leaf-to-canopy upscaling methodologies against carbon flux data in North America. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	92
141	Impact of hydrological variations on modeling of peatland CO ₂ fluxes: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
142	A model-data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	274
143	Lake-size dependency of wind shear and convection as controls on gas exchange. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	199
144	The imprint of surface fluxes and transport on variations in total column carbon dioxide. <i>Biogeosciences</i> , 2012, 9, 875-891.	1.3	98

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145	Modelling contrasting responses of wetland productivity to changes in water table depth. <i>Biogeosciences</i> , 2012, 9, 4215-4231.	1.3	31
146	Effects of biotic disturbances on forest carbon cycling in the United States and Canada. <i>Global Change Biology</i> , 2012, 18, 7-34.	4.2	418
147	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Synthesis. <i>Global Change Biology</i> , 2012, 18, 566-584.	4.2	583
148	Redefinition and global estimation of basal ecosystem respiration rate. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	43
149	Seasonal pattern of regional carbon balance in the central Rocky Mountains from surface and airborne measurements. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	33
150	The potential of carbonyl sulfide as a proxy for gross primary production at flux tower sites. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	46
151	Thermal adaptation of net ecosystem exchange. <i>Biogeosciences</i> , 2011, 8, 1453-1463.	1.3	30
152	First direct measurements of formaldehyde flux via eddy covariance: implications for missing in-canopy formaldehyde sources. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10565-10578.	1.9	101
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