

Gretchen Keppel-Aleks

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,401
citations

516710

16
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

3288
citing authors

#	ARTICLE	IF	CITATIONS
1	Can Land Surface Models Capture the Observed Soil Moisture Control of Water and Carbon Fluxes in Temperate to Boreal Forests?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005999.	3.0	7
2	Addressing biases in Arctic boreal carbon cycling in the Community Land Model Version 5. <i>Geoscientific Model Development</i> , 2021, 14, 3361-3382.	3.6	14
3	Interannual and Seasonal Drivers of Carbon Cycle Variability Represented by the Community Earth System Model (CESM2). <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007034.	4.9	9
4	Contrasting Regional Carbon Cycle Responses to Seasonal Climate Anomalies Across the East-West Divide of Temperate North America. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006598.	4.9	12
5	Influence of Vertical Heterogeneities in the Canopy Microenvironment on Interannual Variability of Carbon Uptake in Temperate Deciduous Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005658.	3.0	10
6	Siberian and temperate ecosystems shape Northern Hemisphere atmospheric CO ₂ seasonal amplification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21079-21087.	7.1	27
7	Leveraging the signature of heterotrophic respiration on atmospheric CO ₂ for model benchmarking. <i>Biogeosciences</i> , 2020, 17, 1293-1308.	3.3	8
8	Satellite observations reveal seasonal redistribution of northern ecosystem productivity in response to interannual climate variability. <i>Remote Sensing of Environment</i> , 2020, 242, 111755.	11.0	23
9	Satellite Monitoring of Natural Reforestation Efforts in China's Drylands. <i>One Earth</i> , 2020, 2, 98-108.	6.8	24
10	A Geostatistical Framework for Quantifying the Imprint of Mesoscale Atmospheric Transport on Satellite Trace Gas Retrievals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9773-9795.	3.3	12
11	The Community Land Model Version 5: Description of New Features, Benchmarking, and Impact of Forcing Uncertainty. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4245-4287.	3.8	692
12	Behavioral adaptation to climate change in wildfire-prone forests. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2018, 9, e553.	8.1	22
13	The International Land Model Benchmarking (ILAMB) System: Design, Theory, and Implementation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2731-2754.	3.8	175
14	A Functional Response Metric for the Temperature Sensitivity of Tropical Ecosystems. <i>Earth Interactions</i> , 2018, 22, 1-20.	1.5	3
15	Drivers of multi-century trends in the atmospheric CO ₂ mean annual cycle in a prognostic ESM. <i>Biogeosciences</i> , 2017, 14, 1383-1401.	3.3	8
16	The effect of atmospheric sulfate reductions on diffuse radiation and photosynthesis in the United States during 1995-2013. <i>Geophysical Research Letters</i> , 2016, 43, 9984-9993.	4.0	22
17	Separating the influence of temperature, drought, and fire on interannual variability in atmospheric CO ₂ . <i>Global Biogeochemical Cycles</i> , 2014, 28, 1295-1310.	4.9	33
18	Atmospheric Carbon Dioxide Variability in the Community Earth System Model: Evaluation and Transient Dynamics during the Twentieth and Twenty-First Centuries. <i>Journal of Climate</i> , 2013, 26, 4447-4475.	3.2	48

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19	Towards constraints on fossil fuel emissions from total column carbon dioxide. Atmospheric Chemistry and Physics, 2013, 13, 4349-4357.	4.9	79
20	The covariation of Northern Hemisphere summertime CO ₂ with surface temperature in boreal regions. Atmospheric Chemistry and Physics, 2013, 13, 9447-9459.	4.9	42
21	The imprint of surface fluxes and transport on variations in total column carbon dioxide. Biogeosciences, 2012, 9, 875-891.	3.3	98
22	A method for evaluating bias in global measurements of CO ₂ total columns from space. Atmospheric Chemistry and Physics, 2011, 11, 12317-12337.	4.9	279
23	Sources of variations in total column carbon dioxide. Atmospheric Chemistry and Physics, 2011, 11, 3581-3593.	4.9	149
24	Total column CO ₂ measurements at Darwin, Australia – site description and calibration against in situ aircraft profiles. Atmospheric Measurement Techniques, 2010, 3, 947-958.	3.1	131
25	Calibration of the Total Carbon Column Observing Network using aircraft profile data. Atmospheric Measurement Techniques, 2010, 3, 1351-1362.	3.1	441