Abigail L S Swann

List of Publications by Year
in descending order

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34 papers	2,370 citations	257450 24 h-index	395702 33 g-index
45 all docs	45 docs citations	45 times ranked	4327 citing authors

#	Article	IF	Citations
1	Plant responses to increasing CO ₂ reduce estimates of climate impacts on drought severity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10019-10024.	7.1	399
2	Changes in Arctic vegetation amplify high-latitude warming through the greenhouse effect. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1295-1300.	7.1	228
3	Advances in understanding largeâ€scale responses of the water cycle to climate change. Annals of the New York Academy of Sciences, 2020, 1472, 49-75.	3.8	226
4	Mid-latitude afforestation shifts general circulation and tropical precipitation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 712-716.	7.1	219
5	Critical impact of vegetation physiology on the continental hydrologic cycle in response to increasing CO ₂. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4093-4098.	7.1	179
6	Future deforestation in the Amazon and consequences for South American climate. Agricultural and Forest Meteorology, 2015, 214-215, 12-24.	4.8	100
7	ISS observations offer insights into plant function. Nature Ecology and Evolution, 2017, 1, 194.	7.8	94
8	Benchmarking and parameter sensitivity of physiological and vegetation dynamics using the Functionally Assembled Terrestrial Ecosystem Simulator (FATES) at Barro Colorado Island, Panama. Biogeosciences, 2020, 17, 3017-3044.	3.3	82
9	Forest response to rising CO2 drives zonally asymmetric rainfall change over tropical land. Nature Climate Change, 2018, 8, 434-440.	18.8	80
10	Plants and Drought in a Changing Climate. Current Climate Change Reports, 2018, 4, 192-201.	8.6	66
11	The biophysics, ecology, and biogeochemistry of functionally diverse, vertically and horizontally heterogeneous ecosystems: the Ecosystem Demography model, version 2.2 â€“ Part 1: Model description. Geoscientific Model Development, 2019, 12, 4309-4346.	3.6	62
12	Sensitivity of stable water isotopic values to convective parameterization schemes. Geophysical Research Letters, 2009, 36, .	4.0	53
13	Toward accounting for ecoclimate teleconnections: intra- and inter-continental consequences of altered energy balance after vegetation change. Landscape Ecology, 2016, 31, 181-194.	4.2	53
14	Remote Vegetation Feedbacks and the Mid-Holocene Green Sahara. Journal of Climate, 2014, 27, 4857-4870.	3.2	51
15	Separating the Impact of Individual Land Surface Properties on the Terrestrial Surface Energy Budget in both the Coupled and Uncoupled Landâ€“Atmosphere System. Journal of Climate, 2019, 32, 5725-5744.	3.2	50
16	A Direct Estimate of the Seasonal Cycle of Evapotranspiration over the Amazon Basin. Journal of Hydrometeorology, 2017, 18, 2173-2185.	1.9	48
17	Maize yield under a changing climate: The hidden role of vapor pressure deficit. Agricultural and Forest Meteorology, 2019, 279, 107692.	4.8	44
18	Synergistic Ecoclimate Teleconnections from Forest Loss in Different Regions Structure Global Ecological Responses. PLoS ONE, 2016, 11, e0165042.	2.5	39

#	Article	IF	Citations
19	Continental-scale consequences of tree die-offs in North America: identifying where forest loss matters most. Environmental Research Letters, 2018, 13, 055014.	5.2	39
20	Progressive Midlatitude Afforestation: Impacts on Clouds, Global Energy Transport, and Precipitation. Journal of Climate, 2016, 29, 5561-5573.	3.2	35
21	Empirically Derived Sensitivity of Vegetation to Climate across Global Gradients of Temperature and Precipitation. Journal of Climate, 2017, 30, 5835-5849.	3.2	31
22	Past Variance and Future Projections of the Environmental Conditions Driving Western U.S. Summertime Wildfire Burn Area. Earth's Future, 2021, 9, e2020EF001645.	6.3	30
23	The biophysics, ecology, and biogeochemistry of functionally diverse, vertically and horizontally heterogeneous ecosystems: the Ecosystem Demography model, version 2.2 â€“ Part 2: Model evaluation for tropical South America. Geoscientific Model Development, 2019, 12, 4347-4374.	3.6	29
24	Leaf Trait Acclimation Amplifies Simulated Climate Warming in Response to Elevated Carbon Dioxide. Global Biogeochemical Cycles, 2018, 32, 1437-1448.	4.9	26
25	Reframing tropical savannization: linking changes in canopy structure to energy balance alterations that impact climate. Ecosphere, 2020, 11, e03231.	2.2	24
26	Plant Physiological Responses to Rising CO₂ Modify Simulated Daily Runoff Intensity With Implications for Globalâ€Scale Flood Risk Assessment. Geophysical Research Letters, 2018, 45, 12,457.	4.0	23
27	Plant Physiology Increases the Magnitude and Spread of the Transient Climate Response to CO2 in CMIP6 Earth System Models. Journal of Climate, 2020, 33, 8561-8578.	3.2	20
28	Sensitivity of Leaf Area to Interannual Climate Variation as a Diagnostic of Ecosystem Function in CMIP5 Carbon Cycle Models. Journal of Climate, 2018, 31, 8607-8625.	3.2	8
29	Leaf Trait Plasticity Alters Competitive Ability and Functioning of Simulated Tropical Trees in Response to Elevated Carbon Dioxide. Global Biogeochemical Cycles, 2021, 35, e2020GB006807.	4.9	6
30	Radiative feedbacks on land surface change and associated tropical precipitation shifts. Journal of Climate, 2021, , 1-63.	3.2	6
31	Prototype campaign assessment of disturbanceâ€induced tree loss effects on surface properties for atmospheric modeling. Ecosphere, 2017, 8, e01698.	2.2	5
32	Evaporative Resistance is of Equal Importance as Surface Albedo in Highâ€Latitude Surface Temperatures Due to Cloud Feedbacks. Geophysical Research Letters, 2020, 47, e2019GL085663.	4.0	5
33	Response of Tropical Rainfall to Reduced Evapotranspiration Depends on Continental Extent. Journal of Climate, 2021, 34, 9221-9234.	3.2	5
34	Climatic Consequences of Afforestation. , 2011, , .		1