Nicholas Siler

List of Publications by Year
in descending order

20	693	623734	752698
papers	citations	14 h-index	20 g-index

21	21	21	1127
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Responses and impacts of atmospheric rivers to climate change. Nature Reviews Earth & Environment, 2020, 1, 143-157.	29.7	171
2	Global mean surface temperature and climate sensitivity of the early Eocene Climatic Optimum (EECO), Paleoceneâ€“Eocene Thermal Maximum (PETM), and latest Paleocene. Climate of the Past, 2020, 16, 1953-1968.	3.4	71
3	How will orographic precipitation respond to surface warming? An idealized thermodynamic perspective. Geophysical Research Letters, 2014, 41, 2606-2613.	4.0	60
4	Simulating Miocene Warmth: Insights From an Opportunistic Multiâ€Model Ensemble (MioMIP1). Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004054.	2.9	52
5	On the Dynamical Causes of Variability in the Rain-Shadow Effect: A Case Study of the Washington Cascades. Journal of Hydrometeorology, 2013, 14, 122-139.	1.9	44
6	Meridional Atmospheric Heat Transport Constrained by Energetics and Mediated by Large-Scale Diffusion. Journal of Climate, 2019, 32, 3655-3680.	3.2	44
7	The interplay of internal and forced modes of Hadley Cell expansion: lessons from the global warming hiatus. Climate Dynamics, 2018, 51, 305-319.	3.8	42
8	Natural Variability Has Slowed the Decline in Western U.S. Snowpack Since the 1980s. Geophysical Research Letters, 2019, 46, 346-355.	4.0	38
9	Tropical Ocean Contributions to Californiaâ€™s Surprisingly Dry El NiÃ±o of 2015/16. Journal of Climate, 2017, 30, 10067-10079.	3.2	29
10	Insights into the Zonal-Mean Response of the Hydrologic Cycle to Global Warming from a Diffusive Energy Balance Model. Journal of Climate, 2018, 31, 7481-7493.	3.2	28
11	Sources of Uncertainty in the Meridional Pattern of Climate Change. Geophysical Research Letters, 2018, 45, 9131-9140.	4.0	26
12	What Causes Weak Orographic Rain Shadows? Insights from Case Studies in the Cascades and Idealized Simulations. Journals of the Atmospheric Sciences, 2016, 73, 4077-4099.	1.7	18
13	Revisiting the surface-energy-flux perspective on the sensitivity of global precipitation to climate change. Climate Dynamics, 2019, 52, 3983-3995.	3.8	17
14	Variability in modeled cloud feedback tied to differences in the climatological spatial pattern of clouds. Climate Dynamics, 2018, 50, 1209-1220.	3.8	16
15	Assessing the Impact of the Tropopause on Mountain Waves and Orographic Precipitation Using Linear Theory and Numerical Simulations. Journals of the Atmospheric Sciences, 2015, 72, 803-820.	1.7	12
16	Understanding drivers of glacier-length variability over the last millennium. Cryosphere, 2021, 15, 1645-1662.	3.9	7
17	Enhancing Understanding of the Hydrological Cycle via Pairing of Processâ€Oriented and Isotope Ratio Tracers. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002648.	3.8	7
18	Identifying Dynamically Induced Variability in Glacier Mass-Balance Records. Journal of Climate, 2016, 29, 8915-8929.	3.2	5

#	Article	IF	Citations
19	The large-scale, long-term coupling of temperature, hydrology, and water isotopes. Journal of Climate, 2021, , 1-51.	3.2	3
20	Spatial patterns of extreme precipitation and their changes under ~â€‰2ÂÂ°C global warming: a large-ensemble study of the western USA. Climate Dynamics, 2022, 59, 2363-2379.	3.8	3