

Oliver Elison Timm

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,393
citations

201674

27
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

3457
citing authors

#	ARTICLE	IF	CITATIONS
1	The Holocene temperature conundrum. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3501-5.	7.1	344
2	Rapid decline of snow and ice in the tropical Andes – Impacts, uncertainties and challenges ahead. Earth-Science Reviews, 2018, 176, 195-213.	9.1	203
3	A unified proxy for ENSO and PDO variability since 1650. Climate of the Past, 2010, 6, 1-17.	3.4	179
4	Modulation of the bipolar seesaw in the Southeast Pacific during Termination 1. Earth and Planetary Science Letters, 2007, 259, 400-413.	4.4	155
5	Deconstructing the Last Glacial termination: the role of millennial and orbital-scale forcings. Quaternary Science Reviews, 2011, 30, 1155-1172.	3.0	124
6	Nonlinear climate sensitivity and its implications for future greenhouse warming. Science Advances, 2016, 2, e1501923.	10.3	112
7	Statistical downscaling of rainfall changes in Hawaii based on the CMIP5 global model projections. Journal of Geophysical Research D: Atmospheres, 2015, 120, 92-112.	3.3	98
8	Reconstructing seawater $\delta^{18}O$ from paired coral $\delta^{18}O$ and Sr/Ca ratios: Methods, error analysis and problems, with examples from Tahiti (French Polynesia) and Timor (Indonesia). Geochimica Et Cosmochimica Acta, 2008, 72, 2841-2853.	3.9	96
9	Simulation of the Last 21 000 Years Using Accelerated Transient Boundary Conditions*. Journal of Climate, 2007, 20, 4377-4401.	3.2	90
10	Synoptic-Statistical Approach to Regional Downscaling of IPCC Twenty-First-Century Climate Projections: Seasonal Rainfall over the Hawaiian Islands*. Journal of Climate, 2009, 22, 4261-4280.	3.2	78
11	Inferred changes in El Niño–Southern Oscillation variance over the past six centuries. Climate of the Past, 2013, 9, 2269-2284.	3.4	75
12	The Roles of CO ₂ and Orbital Forcing in Driving Southern Hemispheric Temperature Variations during the Last 21 000 Yr*. Journal of Climate, 2009, 22, 1626-1640.	3.2	72
13	Downscaling of Climate Change in the Hawaii Region Using CMIP5 Results: On the Choice of the Forcing Fields*. Journal of Climate, 2013, 26, 10006-10030.	3.2	57
14	Scale-Dependent Reconstruction of the NAO Index. Journal of Climate, 2004, 17, 2157-2169.	3.2	52
15	Assessing divergent SST behavior during the last 21 ka derived from alkenones and $^{231}Pu/^{235}U$ in the equatorial Pacific. Paleoceanography, 2014, 29, 680-696.	3.0	52
16	Modeling Obliquity and CO ₂ Effects on Southern Hemisphere Climate during the Past 408 ka*. Journal of Climate, 2014, 27, 1863-1875.	3.2	49
17	Asymmetric Modulation of ENSO Teleconnections by the Interdecadal Pacific Oscillation. Journal of Climate, 2018, 31, 7337-7361.	3.2	48
18	Deglacial ice sheet meltdown: orbital pacemaking and CO ₂ effects. Climate of the Past, 2014, 10, 1567-1579.	3.4	40

#	ARTICLE	IF	CITATIONS
19	The Influence of ENSO on the Generation of Decadal Variability in the North Pacific*. <i>Journal of Climate</i> , 2007, 20, 667-680.	3.2	39
20	Mechanisms for the Onset of the African Humid Period and Sahara Greening 14.5â€“11 ka BP*. <i>Journal of Climate</i> , 2010, 23, 2612-2633.	3.2	39
21	Seasonal temperatures and hydrological conditions improve the prediction of West Nile virus infection rates in <i>Culex</i> mosquitoes and human case counts in New York and Connecticut. <i>PLoS ONE</i> , 2019, 14, e0217854.	2.5	39
22	Effects of Salt Compensation on the Climate Model Response in Simulations of Large Changes of the Atlantic Meridional Overturning Circulation*. <i>Journal of Climate</i> , 2007, 20, 5912-5928.	3.2	35
23	Western Indian Ocean marine and terrestrial records of climate variability: a review and new concepts on landâ€“ocean interactions since AD 1660. <i>International Journal of Earth Sciences</i> , 2009, 98, 115-133.	1.8	35
24	The mechanism behind internally generated centennial-to-millennial scale climate variability in an earth system model of intermediate complexity. <i>Geoscientific Model Development</i> , 2010, 3, 377-389.	3.6	33
25	Projections of the future disappearance of the Quelccaya Ice Cap in the Central Andes. <i>Scientific Reports</i> , 2018, 8, 15564.	3.3	33
26	CO2 radiative forcing and Intertropical Convergence Zone influences on western Pacific warm pool climate over the past 400ka. <i>Quaternary Science Reviews</i> , 2014, 86, 24-34.	3.0	32
27	Towards a quantitative understanding of millennial-scale Antarctic warming events. <i>Quaternary Science Reviews</i> , 2010, 29, 74-85.	3.0	31
28	Paired coral Sr/Ca and $\delta^{18}O$ records from the Chagos Archipelago: Late twentieth century warming affects rainfall variability in the tropical Indian Ocean. <i>Geology</i> , 2006, 34, 1069.	4.4	28
29	The influence of ENSO, PDO and PNA on secular rainfall variations in Hawaiiâ€“i. <i>Climate Dynamics</i> , 2018, 51, 2127-2140.	3.8	25
30	Will a warmer and wetter future cause extinction of native Hawaiian forest birds?. <i>Global Change Biology</i> , 2015, 21, 4342-4352.	9.5	23
31	A proposed framework for the development and qualitative evaluation of West Nile virus models and their application to local public health decision-making. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009653.	3.0	22
32	Future warming rates over the Hawaiian Islands based on elevationâ€“dependent scaling factors. <i>International Journal of Climatology</i> , 2017, 37, 1093-1104.	3.5	21
33	On the relation between largeâ€“scale circulation pattern and heavy rain events over the Hawaiian Islands: Recent trends and future changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4129-4141.	3.3	15
34	West Nile virus is predicted to be more geographically widespread in New York State and Connecticut under future climate change. <i>Global Change Biology</i> , 2021, 27, 5430-5445.	9.5	11
35	On the changing relationship between North Pacific climate variability and synoptic activity over the Hawaiian Islands. <i>International Journal of Climatology</i> , 2021, 41, E1566.	3.5	4
36	Central Pacific hydroclimate over the last 45,000 years: Molecular-isotopic evidence from leaf wax in a Hawaiian peatland. <i>Quaternary Science Reviews</i> , 2021, 253, 106744.	3.0	3

#	ARTICLE	IF	CITATIONS
37	Description and validation of the Simple, Efficient, Dynamic, Global, Ecological Simulator (SEDGES) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	1