

Alexander Gershunov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

4,957
citations

34
h-index

70
g-index

88
ext. papers

5,871
ext. citations

5.4
avg, IF

5.95
L-index

#	Paper	IF	Citations
85	Heat Waves and Emergency Department Visits Among the Homeless, San Diego, 2012-2019.. <i>American Journal of Public Health</i> , 2022 , 112, 98-106	5.1	2
84	Smoke and COVID-19 case fatality ratios during California wildfires. <i>Environmental Research Letters</i> , 2022 , 17, 014054	6.2	1
83	Precipitation variability and risk of infectious disease in children under 5 years for 32 countries: a global analysis using Demographic and Health Survey data.. <i>Lancet Planetary Health, The</i> , 2022 , 6, e147-e155	9.8	0
82	Mobility data to aid assessment of human responses to extreme environmental conditions. <i>Lancet Planetary Health, The</i> , 2021 , 5, e665-e667	9.8	2
81	Extreme heat, preterm birth, and stillbirth: A global analysis across 14 lower-middle income countries. <i>Environment International</i> , 2021 , 158, 106902	12.9	1
80	Wildfire smoke impacts respiratory health more than fine particles from other sources: observational evidence from Southern California. <i>Nature Communications</i> , 2021 , 12, 1493	17.4	49
79	Fine Particles in Wildfire Smoke and Pediatric Respiratory Health in California. <i>Pediatrics</i> , 2021 , 147,	7.4	9
78	Racial/ethnic disparities in the association between fine particles and respiratory hospital admissions in San Diego county, CA. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021 , 56, 473-480	2.3	2
77	Spatial variation in the joint effect of extreme heat events and ozone on respiratory hospitalizations in California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
76	Hot and cold flavors of southern California's Santa Ana winds: their causes, trends, and links with wildfire. <i>Climate Dynamics</i> , 2021 , 57, 1-16	4.2	0
75	Ignitions explain more than temperature or precipitation in driving Santa Ana wind fires. <i>Science Advances</i> , 2021 , 7,	14.3	2
74	Global climatology of synoptically-forced downslope winds. <i>International Journal of Climatology</i> , 2021 , 41, 31-50	3.5	16
73	Four Atmospheric Circulation Regimes Over the North Pacific and Their Relationship to California Precipitation on Daily to Seasonal Timescales. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087609	4.9	3
72	Santa Ana Winds of Southern California Impact PM With and Without Smoke From Wildfires. <i>GeoHealth</i> , 2020 , 4, e2019GH000225	5	13
71	Defining heat waves and extreme heat events using sub-regional meteorological data to maximize benefits of early warning systems to population health. <i>Science of the Total Environment</i> , 2020 , 721, 137678	10.2	10
70	Extreme heat episodes and risk of preterm birth in California, 2005-2013. <i>Environment International</i> , 2020 , 137, 105541	12.9	11
69	Floods due to Atmospheric Rivers along the U.S. West Coast: The Role of Antecedent Soil Moisture in a Warming Climate. <i>Journal of Hydrometeorology</i> , 2020 , 21, 1827-1845	3.7	10

68	Thermal thresholds heighten sensitivity of West Nile virus transmission to changing temperatures in coastal California. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201065	4.4	2
67	Global and Regional Perspectives 2020 , 89-140		2
66	The health burden fall, winter and spring extreme heat events in the in Southern California and contribution of Santa Ana Winds. <i>Environmental Research Letters</i> , 2020 , 15, 054017	6.2	5
65	Respiratory hospitalizations and wildfire smoke: a spatiotemporal analysis of an extreme firestorm in San Diego County, California. <i>Environmental Epidemiology</i> , 2020 , 4, e114	0.2	2
64	Increase in Pediatric Respiratory Visits Associated with Santa Ana Wind-Driven Wildfire Smoke and PM Levels in San Diego County. <i>Annals of the American Thoracic Society</i> , 2020 , 17, 313-320	4.7	23
63	Impact of El Niño on Weather and Climate Extremes. <i>Geophysical Monograph Series</i> , 2020 , 361-375	1.1	6
62	Atmospheric rivers impacting Northern California and their modulation by a variable climate. <i>Climate Dynamics</i> , 2019 , 52, 6569-6583	4.2	24
61	Atmospheric rivers impact California's coastal water quality via extreme precipitation. <i>Science of the Total Environment</i> , 2019 , 671, 488-494	10.2	12
60	Associations between ambient temperature and hepatobiliary and renal hospitalizations in California, 1999 to 2009. <i>Environmental Research</i> , 2019 , 177, 108566	7.9	6
59	Observed Impacts of Anthropogenic Climate Change on Wildfire in California. <i>Earth's Future</i> , 2019 , 7, 892-910	7.9	242
58	Precipitation regime change in Western North America: The role of Atmospheric Rivers. <i>Scientific Reports</i> , 2019 , 9, 9944	4.9	82
57	North American extreme precipitation events and related large-scale meteorological patterns: a review of statistical methods, dynamics, modeling, and trends. <i>Climate Dynamics</i> , 2019 , 53, 6835-6875	4.2	35
56	Climate Change Suppresses Santa Ana Winds of Southern California and Sharpens Their Seasonality. <i>Geophysical Research Letters</i> , 2019 , 46, 2772-2780	4.9	34
55	Atmospheric rivers drive flood damages in the western United States. <i>Science Advances</i> , 2019 , 5, eaax4631	11.3	51
54	ARTMIP-early start comparison of atmospheric river detection tools: how many atmospheric rivers hit northern California's Russian River watershed?. <i>Climate Dynamics</i> , 2019 , 52, 4973-4994	4.2	54
53	Heat wave probability in the changing climate of the Southwest US. <i>Climate Dynamics</i> , 2018 , 50, 3853-3864	4.4	29
52	California heat waves: their spatial evolution, variation, and coastal modulation by low clouds. <i>Climate Dynamics</i> , 2018 , 50, 4285-4301	4.2	15
51	Outpatient clinic visits during heat waves: findings from a large family medicine clinical database. <i>Family Practice</i> , 2018 , 35, 567-570	1.9	1

50	Ambient temperature and added heat wave effects on hospitalizations in California from 1999 to 2009. <i>Environmental Research</i> , 2018 , 160, 83-90	7.9	59
49	Heat, Disparities, and Health Outcomes in San Diego County's Diverse Climate Zones. <i>GeoHealth</i> , 2018 , 2, 212-223	5	15
48	Atmospheric River Tracking Method Intercomparison Project (ARTMIP): project goals and experimental design. <i>Geoscientific Model Development</i> , 2018 , 11, 2455-2474	6.3	144
47	Atmospheric River Tracking Method Intercomparison Project (ARTMIP): Project Goals and Experimental Design 2018 ,		1
46	Circulation Drivers of Atmospheric Rivers at the North American West Coast. <i>Geophysical Research Letters</i> , 2018 , 45, 12,576	4.9	21
45	Human health implications of extreme precipitation events and water quality in California, USA: a canonical correlation analysis. <i>Lancet Planetary Health</i> , <i>The</i> , 2018 , 2, S9	9.8	3
44	Precipitation in a warming world: Assessing projected hydro-climate changes in California and other Mediterranean climate regions. <i>Scientific Reports</i> , 2017 , 7, 10783	4.9	167
43	Assessing the climate-scale variability of atmospheric rivers affecting western North America. <i>Geophysical Research Letters</i> , 2017 , 44, 7900-7908	4.9	125
42	Daily variability of California coastal low cloudiness: A balancing act between stability and subsidence. <i>Geophysical Research Letters</i> , 2017 , 44, 3330-3338	4.9	9
41	Santa Ana Winds of Southern California: Their climatology, extremes, and behavior spanning six and a half decades. <i>Geophysical Research Letters</i> , 2016 , 43, 2827-2834	4.9	34
40	The northward march of summer low cloudiness along the California coast. <i>Geophysical Research Letters</i> , 2016 , 43, 1287-1295	4.9	25
39	North American extreme temperature events and related large scale meteorological patterns: a review of statistical methods, dynamics, modeling, and trends. <i>Climate Dynamics</i> , 2016 , 46, 1151-1184	4.2	142
38	Probabilistic tail dependence of intense precipitation on spatiotemporal scale in observations, reanalyses, and GCMs. <i>Climate Dynamics</i> , 2015 , 45, 2965-2975	4.2	5
37	Climate change intensification of horizontal water vapor transport in CMIP5. <i>Geophysical Research Letters</i> , 2015 , 42, 5617-5625	4.9	88
36	The probability distribution of intense daily precipitation. <i>Geophysical Research Letters</i> , 2015 , 42, 1560-1567	4.9	49
35	Interannual variability in associations between seasonal climate, weather, and extremes: wintertime temperature over the Southwestern United States. <i>Environmental Research Letters</i> , 2015 , 10, 124023	6.2	4
34	The key role of dry days in changing regional climate and precipitation regimes. <i>Scientific Reports</i> , 2014 , 4, 4364	4.9	178
33	North American west coast summer low cloudiness: Broad-scale variability associated with sea surface temperature. <i>Geophysical Research Letters</i> , 2014 , 41, 3307-3314	4.9	25

32	The Impact of Recent Heat Waves on Human Health in California. <i>Journal of Applied Meteorology and Climatology</i> , 2014 , 53, 3-19	2.7	68
31	Climate change and infectious diseases: Can we meet the needs for better prediction?. <i>Climatic Change</i> , 2013 , 118, 625-640	4.5	65
30	Natural climate variability and teleconnections to precipitation over the Pacific-North American region in CMIP3 and CMIP5 models. <i>Geophysical Research Letters</i> , 2013 , 40, 2296-2301	4.9	52
29	Human Health 2013 , 312-339		5
28	Future Climate: Projected Average 2013 , 101-125		23
27	Future Climate: Projected Extremes 2013 , 126-147		12
26	Climate change and microbiological water quality at California beaches. <i>EcoHealth</i> , 2012 , 9, 293-7	3.1	4
25	California heat waves in the present and future. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	45
24	Climatic control of upwelling variability along the western North-American coast. <i>PLoS ONE</i> , 2012 , 7, e30436	3.7	34
23	Recent warm and cold daily winter temperature extremes in the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	65
22	Future dryness in the southwest US and the hydrology of the early 21st century drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21271-6	11.5	476
21	Interannual variability of human plague occurrence in the Western United States explained by tropical and North Pacific Ocean climate variability. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010 , 83, 624-32	3.2	30
20	The Great 2006 Heat Wave over California and Nevada: Signal of an Increasing Trend. <i>Journal of Climate</i> , 2009 , 22, 6181-6203	4.4	141
19	North Pacific cyclonic and anticyclonic transients in a global warming context: possible consequences for Western North American daily precipitation and temperature extremes. <i>Climate Dynamics</i> , 2009 , 32, 969-987	4.2	33
18	Human plague in the USA: the importance of regional and local climate. <i>Biology Letters</i> , 2008 , 4, 737-40	3.6	51
17	Testing Exponentiality Versus Pareto Distribution via Likelihood Ratio. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2008 , 38, 118-139	0.6	21
16	Climatic Influences on Midwest Drought during the Twentieth Century. <i>Journal of Climate</i> , 2008 , 21, 517-531	4.4	12
15	Prediction of Summer Maximum and Minimum Temperature over the Central and Western United States: The Roles of Soil Moisture and Sea Surface Temperature. <i>Journal of Climate</i> , 2006 , 19, 1407-1421	4.4	59

14	Extra-tropical cyclonic/anticyclonic activity in North-Eastern Pacific and air temperature extremes in Western North America. <i>Climate Dynamics</i> , 2006 , 26, 617-629	4.2	47
13	Coupling of latent heat flux and the greenhouse effect by large-scale tropical/subtropical dynamics diagnosed in a set of observations and model simulations. <i>Climate Dynamics</i> , 2004 , 22, 205-222	4.2	10
12	Forecasting Australian drought using Southern Hemisphere modes of sea-surface temperature variability. <i>International Journal of Climatology</i> , 2004 , 24, 1911-1927	3.5	23
11	Heavy Daily Precipitation Frequency over the Contiguous United States: Sources of Climatic Variability and Seasonal Predictability. <i>Journal of Climate</i> , 2003 , 16, 2752-2765	4.4	92
10	Long lead statistical forecasts of area burned in western U.S. wildfires by ecosystem province. <i>International Journal of Wildland Fire</i> , 2002 , 11, 257	3.2	62
9	Low-Frequency Modulation of the ENSO-Indian Monsoon Rainfall Relationship: Signal or Noise?. <i>Journal of Climate</i> , 2001 , 14, 2486-2492	4.4	206
8	North Pacific Decadal Climate Variability since 1661. <i>Journal of Climate</i> , 2001 , 14, 5-10	4.4	413
7	Predicting and Downscaling ENSO Impacts on Intraseasonal Precipitation Statistics in California: The 1997/98 Event. <i>Journal of Hydrometeorology</i> , 2000 , 1, 201-210	3.7	17
6	North Pacific interdecadal oscillation seen as factor in ENSO-related North American climate anomalies. <i>Eos</i> , 1999 , 80, 25	1.5	66
5	Interdecadal Modulation of ENSO Teleconnections. <i>Bulletin of the American Meteorological Society</i> , 1998 , 79, 2715-2725	6.1	655
4	ENSO Influence on Intraseasonal Extreme Rainfall and Temperature Frequencies in the Contiguous United States: Observations and Model Results. <i>Journal of Climate</i> , 1998 , 11, 1575-1586	4.4	201
3	ENSO Influence on Intraseasonal Extreme Rainfall and Temperature Frequencies in the Contiguous United States: Implications for Long-Range Predictability. <i>Journal of Climate</i> , 1998 , 11, 3192-3203	4.4	104
2	Extensive summer hot and cold extremes under current and possible future climatic conditions: Europe and North America74-98		9
1	The key role of dry days in changing regional climate and precipitation regimes		1