# Alexander Gershunov

List of Publications by Year
in descending order

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|---|---|---|---|
| 86<br>papers | 7,043<br>citations | 100601<br>38<br>h-index | 71088<br>80<br>g-index |
| 88<br>all docs | 88<br>docs citations | 88<br>times ranked | 8412<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Winter wetâ€“dry weather patterns driving atmospheric rivers and Santa Ana winds provide evidence for increasing wildfire hazard in California. Climate Dynamics, 2023, 60, 1729-1749. | 1.7 | 7 |
| 2 | Extreme heat, preterm birth, and stillbirth: A global analysis across 14 lower-middle income countries. Environment International, 2022, 158, 106902. | 4.8 | 45 |
| 3 | Heat Waves and Emergency Department Visits Among the Homeless, San Diego, 2012â€“2019. American Journal of Public Health, 2022, 112, 98-106. | 1.5 | 15 |
| 4 | Smoke and COVID-19 case fatality ratios during California wildfires. Environmental Research Letters, 2022, 17, 014054. | 2.2 | 5 |
| 5 | Precipitation variability and risk of infectious disease in children under 5 years for 32 countries: a global analysis using Demographic and Health Survey data. Lancet Planetary Health, The, 2022, 6, e147-e155. | 5.1 | 7 |
| 6 | Atmospheric River Precipitation Enhanced by Climate Change: A Case Study of the Storm That Contributed to California's Oroville Dam Crisis. Earth's Future, 2022, 10, . | 2.4 | 18 |
| 7 | Global climatology of synoptically‐forced downslope winds. International Journal of Climatology, 2021, 41, 31-50. | 1.5 | 32 |
| 8 | Wildfire smoke impacts respiratory health more than fine particles from other sources: observational evidence from Southern California. Nature Communications, 2021, 12, 1493. | 5.8 | 230 |
| 9 | Fine Particles in Wildfire Smoke and Pediatric Respiratory Health in California. Pediatrics, 2021, 147, . | 1.0 | 45 |
| 10 | Racial/ethnic disparities in the association between fine particles and respiratory hospital admissions in San Diego county, CA. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 473-480. | 0.9 | 3 |
| 11 | Spatial variation in the joint effect of extreme heat events and ozone on respiratory hospitalizations in California. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 22 |
| 12 | Hot and cold flavors of southern Californiaâ€™s Santa Ana winds: their causes, trends, and links with wildfire. Climate Dynamics, 2021, 57, 2233-2248. | 1.7 | 14 |
| 13 | Ignitions explain more than temperature or precipitation in driving Santa Ana wind fires. Science Advances, 2021, 7, . | 4.7 | 11 |
| 14 | Strategies for reducing the burden of climate-sensitive diarrheal infections on young children. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 15 | Mobility data to aid assessment of human responses to extreme environmental conditions. Lancet Planetary Health, The, 2021, 5, e665-e667. | 5.1 | 7 |
| 16 | Increase in Pediatric Respiratory Visits Associated with Santa Ana Windâ€“Driven Wildfire Smoke and PM<sub>2.5</sub> Levels in San Diego County. Annals of the American Thoracic Society, 2020, 17, 313-320. | 1.5 | 52 |
| 17 | Four Atmospheric Circulation Regimes Over the North Pacific and Their Relationship to California Precipitation on Daily to Seasonal Timescales. Geophysical Research Letters, 2020, 47, e2020GL087609. | 1.5 | 8 |
| 18 | Santa Ana Winds of Southern California Impact PM<sub>2.5</sub> With and Without Smoke From Wildfires. GeoHealth, 2020, 4, e2019GH000225. | 1.9 | 25 |

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|---|---|---|---|
| 19 | Defining heat waves and extreme heat events using sub-regional meteorological data to maximize benefits of early warning systems to population health. Science of the Total Environment, 2020, 721, 137678. | 3.9 | 29 |
| 20 | Extreme heat episodes and risk of preterm birth in California, 2005â€“2013. Environment International, 2020, 137, 105541. | 4.8 | 27 |
| 21 | Global and Regional Perspectives. , 2020, , 89-140. | | 3 |
| 22 | The health burden of fall, winter and spring extreme heat events in Southern California and contribution of Santa Ana Winds. Environmental Research Letters, 2020, 15, 054017. | 2.2 | 14 |
| 23 | Respiratory hospitalizations and wildfire smoke: a spatiotemporal analysis of an extreme firestorm in San Diego County, California. Environmental Epidemiology, 2020, 4, e114. | 1.4 | 13 |
| 24 | Floods due to Atmospheric Rivers along the U.S. West Coast: The Role of Antecedent Soil Moisture in a Warming Climate. Journal of Hydrometeorology, 2020, 21, 1827-1845. | 0.7 | 21 |
| 25 | Thermal thresholds heighten sensitivity of West Nile virus transmission to changing temperatures in coastal California. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201065. | 1.2 | 7 |
| 26 | Associations between ambient temperature and hepatobiliary and renal hospitalizations in California, 1999 to 2009. Environmental Research, 2019, 177, 108566. | 3.7 | 19 |
| 27 | Observed Impacts of Anthropogenic Climate Change on Wildfire in California. Earth's Future, 2019, 7, 892-910. | 2.4 | 540 |
| 28 | Precipitation regime change in Western North America: The role of Atmospheric Rivers. Scientific Reports, 2019, 9, 9944. | 1.6 | 153 |
| 29 | North American extreme precipitation events and related large-scale meteorological patterns: a review of statistical methods, dynamics, modeling, and trends. Climate Dynamics, 2019, 53, 6835-6875. | 1.7 | 61 |
| 30 | Atmospheric rivers impacting Northern California and their modulation by a variable climate. Climate Dynamics, 2019, 52, 6569-6583. | 1.7 | 42 |
| 31 | Atmospheric rivers impact California's coastal water quality via extreme precipitation. Science of the Total Environment, 2019, 671, 488-494. | 3.9 | 19 |
| 32 | Atmospheric rivers drive flood damages in the western United States. Science Advances, 2019, 5, eaax4631. | 4.7 | 104 |
| 33 | ARTMIP-early start comparison of atmospheric river detection tools: how many atmospheric rivers hit northern Californiaâ€™s Russian River watershed?. Climate Dynamics, 2019, 52, 4973-4994. | 1.7 | 63 |
| 34 | Climate Change Suppresses Santa Ana Winds of Southern California and Sharpens Their Seasonality. Geophysical Research Letters, 2019, 46, 2772-2780. | 1.5 | 50 |
| 35 | Heat wave probability in the changing climate of the Southwest US. Climate Dynamics, 2018, 50, 3853-3864. | 1.7 | 42 |
| 36 | California heat waves: their spatial evolution, variation, and coastal modulation by low clouds. Climate Dynamics, 2018, 50, 4285-4301. | 1.7 | 22 |

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|---|---|---|---|
| 37 | Outpatient clinic visits during heat waves: findings from a large family medicine clinical database. Family Practice, 2018, 35, 567-570. | 0.8 | 7 |
| 38 | Ambient temperature and added heat wave effects on hospitalizations in California from 1999 to 2009. Environmental Research, 2018, 160, 83-90. | 3.7 | 96 |
| 39 | Heat, Disparities, and Health Outcomes in San Diego County's Diverse Climate Zones. GeoHealth, 2018, 2, 212-223. | 1.9 | 29 |
| 40 | Atmospheric River Tracking Method Intercomparison Project (ARTMIP): project goals and experimental design. Geoscientific Model Development, 2018, 11, 2455-2474. | 1.3 | 221 |
| 41 | Circulation Drivers of Atmospheric Rivers at the North American West Coast. Geophysical Research Letters, 2018, 45, 12,576. | 1.5 | 30 |
| 42 | Human health implications of extreme precipitation events and water quality in California, USA: a canonical correlation analysis. Lancet Planetary Health, The, 2018, 2, S9. | 5.1 | 5 |
| 43 | Precipitation in a warming world: Assessing projected hydro-climate changes in California and other Mediterranean climate regions. Scientific Reports, 2017, 7, 10783. | 1.6 | 238 |
| 44 | Assessing the climateâ€scale variability of atmospheric rivers affecting western North America. Geophysical Research Letters, 2017, 44, 7900-7908. | 1.5 | 194 |
| 45 | Daily variability of California coastal low cloudiness: A balancing act between stability and subsidence. Geophysical Research Letters, 2017, 44, 3330-3338. | 1.5 | 14 |
| 46 | Santa Ana Winds of Southern California: Their climatology, extremes, and behavior spanning six and a half decades. Geophysical Research Letters, 2016, 43, 2827-2834. | 1.5 | 51 |
| 47 | The northward march of summer low cloudiness along the California coast. Geophysical Research Letters, 2016, 43, 1287-1295. | 1.5 | 34 |
| 48 | North American extreme temperature events and related large scale meteorological patterns: a review of statistical methods, dynamics, modeling, and trends. Climate Dynamics, 2016, 46, 1151-1184. | 1.7 | 199 |
| 49 | The probability distribution of intense daily precipitation. Geophysical Research Letters, 2015, 42, 1560-1567. | 1.5 | 69 |
| 50 | Interannual variability in associations between seasonal climate, weather, and extremes: wintertime temperature over the Southwestern United States. Environmental Research Letters, 2015, 10, 124023. | 2.2 | 5 |
| 51 | Probabilistic tail dependence of intense precipitation on spatiotemporal scale in observations, reanalyses, and GCMs. Climate Dynamics, 2015, 45, 2965-2975. | 1.7 | 8 |
| 52 | Climate change intensification of horizontal water vapor transport in CMIP5. Geophysical Research Letters, 2015, 42, 5617-5625. | 1.5 | 127 |
| 53 | The Impact of Recent Heat Waves on Human Health in California. Journal of Applied Meteorology and Climatology, 2014, 53, 3-19. | 0.6 | 83 |
| 54 | North American west coast summer low cloudiness: Broadscale variability associated with sea surface temperature. Geophysical Research Letters, 2014, 41, 3307-3314. | 1.5 | 32 |

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|---|---|---|---|
| 55 | The key role of dry days in changing regional climate and precipitation regimes. Scientific Reports, 2014, 4, 4364. | 1.6 | 255 |
| 56 | Climate change and infectious diseases: Can we meet the needs for better prediction?. Climatic Change, 2013, 118, 625-640. | 1.7 | 88 |
| 57 | Natural climate variability and teleconnections to precipitation over the Pacificâ€North American region in CMIP3 and CMIP5 models. Geophysical Research Letters, 2013, 40, 2296-2301. | 1.5 | 58 |
| 58 | Human Health. , 2013, , 312-339. | | 6 |
| 59 | Future Climate: Projected Average. , 2013, , 101-125. | | 34 |
| 60 | Future Climate: Projected Extremes. , 2013, , 126-147. | | 20 |
| 61 | Climate Change and Microbiological Water Quality at California Beaches. EcoHealth, 2012, 9, 293-297. | 0.9 | 7 |
| 62 | California heat waves in the present and future. Geophysical Research Letters, 2012, 39, . | 1.5 | 63 |
| 63 | Climatic Control of Upwelling Variability along the Western North-American Coast. PLoS ONE, 2012, 7, e30436. | 1.1 | 44 |
| 64 | Recent warm and cold daily winter temperature extremes in the Northern Hemisphere. Geophysical Research Letters, 2011, 38, n/a-n/a. | 1.5 | 78 |
| 65 | Future dryness in the southwest US and the hydrology of the early 21st century drought. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21271-21276. | 3.3 | 567 |
| 66 | Interannual Variability of Human Plague Occurrence in the Western United States Explained by Tropical and North Pacific Ocean Climate Variability. American Journal of Tropical Medicine and Hygiene, 2010, 83, 624-632. | 0.6 | 35 |
| 67 | The Great 2006 Heat Wave over California and Nevada: Signal of an Increasing Trend. Journal of Climate, 2009, 22, 6181-6203. | 1.2 | 163 |
| 68 | North Pacific cyclonic and anticyclonic transients in a global warming context: possible consequences for Western North American daily precipitation and temperature extremes. Climate Dynamics, 2009, 32, 969-987. | 1.7 | 33 |
| 69 | Human plague in the USA: the importance of regional and local climate. Biology Letters, 2008, 4, 737-740. | 1.0 | 60 |
| 70 | Testing Exponentiality Versus Pareto Distribution via Likelihood Ratio. Communications in Statistics Part B: Simulation and Computation, 2008, 38, 118-139. | 0.6 | 24 |
| 71 | Climatic Influences on Midwest Drought during the Twentieth Century. Journal of Climate, 2008, 21, 517-531. | 1.2 | 13 |
| 72 | Extensive summer hot and cold extremes under current and possible future climatic conditions: Europe and North America. , 2008, , 74-98. | | 14 |

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|---|---|---|---|
| 73 | Prediction of Summer Maximum and Minimum Temperature over the Central and Western United States: The Roles of Soil Moisture and Sea Surface Temperature. Journal of Climate, 2006, 19, 1407-1421. | 1.2 | 74 |
| 74 | Extra-tropical cyclonic/anticyclonic activity in North-Eastern Pacific and air temperature extremes in Western North America. Climate Dynamics, 2006, 26, 617-629. | 1.7 | 56 |
| 75 | Coupling of latent heat flux and the greenhouse effect by large-scale tropical/subtropical dynamics diagnosed in a set of observations and model simulations. Climate Dynamics, 2004, 22, 205-222. | 1.7 | 10 |
| 76 | Forecasting Australian drought using Southern Hemisphere modes of sea-surface temperature variability. International Journal of Climatology, 2004, 24, 1911-1927. | 1.5 | 25 |
| 77 | Heavy Daily Precipitation Frequency over the Contiguous United States: Sources of Climatic Variability and Seasonal Predictability. Journal of Climate, 2003, 16, 2752-2765. | 1.2 | 107 |
| 78 | Long lead statistical forecasts of area burned in western U.S. wildfires by ecosystem province. International Journal of Wildland Fire, 2002, 11, 257. | 1.0 | 72 |
| 79 | Low-Frequency Modulation of the ENSOâ€“Indian Monsoon Rainfall Relationship: Signal or Noise?. Journal of Climate, 2001, 14, 2486-2492. | 1.2 | 219 |
| 80 | North Pacific Decadal Climate Variability since 1661. Journal of Climate, 2001, 14, 5-10. | 1.2 | 474 |
| 81 | Predicting and Downscaling ENSO Impacts on Intraseasonal Precipitation Statistics in California: The 1997/98 Event. Journal of Hydrometeorology, 2000, 1, 201-210. | 0.7 | 18 |
| 82 | North Pacific interdecadal oscillation seen as factor in ENSO-related North American climate anomalies. Eos, 1999, 80, 25. | 0.1 | 86 |
| 83 | Interdecadal Modulation of ENSO Teleconnections. Bulletin of the American Meteorological Society, 1998, 79, 2715-2725. | 1.7 | 749 |
| 84 | ENSO Influence on Intraseasonal Extreme Rainfall and Temperature Frequencies in the Contiguous United States: Observations and Model Results. Journal of Climate, 1998, 11, 1575-1586. | 1.2 | 223 |
| 85 | ENSO Influence on Intraseasonal Extreme Rainfall and Temperature Frequencies in the Contiguous United States: Implications for Long-Range Predictability. Journal of Climate, 1998, 11, 3192-3203. | 1.2 | 127 |
| 86 | The key role of dry days in changing regional climate and precipitation regimes. , 0, . | | 1 |