

Edwin P Maurer

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

9,195
citations

87723

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161609

54
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docs citations

56
times ranked

7850
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States*. Journal of Climate, 2002, 15, 3237-3251. | 1.2 | 1,186 |
| 2 | Long-range experimental hydrologic forecasting for the eastern United States. Journal of Geophysical Research, 2002, 107, ACL 6-1. | 3.3 | 772 |
| 3 | Emissions pathways, climate change, and impacts on California. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12422-12427. | 3.3 | 709 |
| 4 | A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States: Update and Extensions. Journal of Climate, 2013, 26, 9384-9392. | 1.2 | 499 |
| 5 | Climate change scenarios for the California region. Climatic Change, 2008, 87, 21-42. | 1.7 | 483 |
| 6 | Utility of daily vs. monthly large-scale climate data: an intercomparison of two statistical downscaling methods. Hydrology and Earth System Sciences, 2008, 12, 551-563. | 1.9 | 418 |
| 7 | Technical Note: Bias correcting climate model simulated daily temperature extremes with quantile mapping. Hydrology and Earth System Sciences, 2012, 16, 3309-3314. | 1.9 | 405 |
| 8 | Fine-resolution climate projections enhance regional climate change impact studies. Eos, 2007, 88, 504-504. | 0.1 | 402 |
| 9 | Projected climate-induced faunal change in the Western Hemisphere. Ecology, 2009, 90, 588-597. | 1.5 | 349 |
| 10 | Uncertainty in hydrologic impacts of climate change in the Sierra Nevada, California, under two emissions scenarios. Climatic Change, 2007, 82, 309-325. | 1.7 | 338 |
| 11 | The utility of daily large-scale climate data in the assessment of climate change impacts on daily streamflow in California. Hydrology and Earth System Sciences, 2010, 14, 1125-1138. | 1.9 | 294 |
| 12 | Improved Bias Correction Techniques for Hydrological Simulations of Climate Change*. Journal of Hydrometeorology, 2015, 16, 2421-2442. | 0.7 | 220 |
| 13 | Regional climate change projections for the Northeast USA. Mitigation and Adaptation Strategies for Global Change, 2008, 13, 425-436. | 1.0 | 219 |
| 14 | Evaluation of the snow-covered area data product from MODIS. Hydrological Processes, 2003, 17, 59-71. | 1.1 | 180 |
| 15 | Detection of Intensification in Global- and Continental-Scale Hydrological Cycles: Temporal Scale of Evaluation. Journal of Climate, 2003, 16, 535-547. | 1.2 | 163 |
| 16 | Applied Climate-Change Analysis: The Climate Wizard Tool. PLoS ONE, 2009, 4, e8320. | 1.1 | 153 |
| 17 | Assessing reservoir operations risk under climate change. Water Resources Research, 2009, 45, . | 1.7 | 149 |
| 18 | Evaluation of the land surface water budget in NCEP/NCAR and NCEP/DOE reanalyses using an off-line hydrologic model. Journal of Geophysical Research, 2001, 106, 17841-17862. | 3.3 | 144 |

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|----|--|-----|-----------|
| 19 | Uncertainty in projections of streamflow changes due to climate change in California. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 139 |
| 20 | Projecting Water Withdrawal and Supply for Future Decades in the U.S. under Climate Change Scenarios. <i>Environmental Science & Technology</i> , 2012, 46, 2545-2556. | 4.6 | 139 |
| 21 | Probabilistic estimates of future changes in California temperature and precipitation using statistical and dynamical downscaling. <i>Climate Dynamics</i> , 2013, 40, 839-856. | 1.7 | 136 |
| 22 | Effects of climate change on stream temperature, dissolved oxygen, and sediment concentration in the Sierra Nevada in California. <i>Water Resources Research</i> , 2013, 49, 2765-2782. | 1.7 | 129 |
| 23 | Significance of model credibility in estimating climate projection distributions for regional hydroclimatological risk assessments. <i>Climatic Change</i> , 2008, 89, 371-394. | 1.7 | 128 |
| 24 | The Sensitivity of California Water Resources to Climate Change Scenarios. <i>Journal of the American Water Resources Association</i> , 2007, 43, 482-498. | 1.0 | 123 |
| 25 | Climate Change Impacts on Streamflow and Subbasin-Scale Hydrology in the Upper Colorado River Basin. <i>PLoS ONE</i> , 2013, 8, e71297. | 1.1 | 108 |
| 26 | Increases in flood magnitudes in California under warming climates. <i>Journal of Hydrology</i> , 2013, 501, 101-110. | 2.3 | 98 |
| 27 | The Key Role of Heavy Precipitation Events in Climate Model Disagreements of Future Annual Precipitation Changes in California. <i>Journal of Climate</i> , 2013, 26, 5879-5896. | 1.2 | 93 |
| 28 | Development and application of a hydroclimatological stream temperature model within the Soil and Water Assessment Tool. <i>Water Resources Research</i> , 2012, 48, . | 1.7 | 89 |
| 29 | Potential Effects of Long-Lead Hydrologic Predictability on Missouri River Main-Stem Reservoirs*. <i>Journal of Climate</i> , 2004, 17, 174-186. | 1.2 | 88 |
| 30 | Detection, attribution, and sensitivity of trends toward earlier streamflow in the Sierra Nevada. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 88 |
| 31 | Predictability of seasonal runoff in the Mississippi River basin. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 84 |
| 32 | Observed 1970â€“2005 Cooling of Summer Daytime Temperatures in Coastal California. <i>Journal of Climate</i> , 2009, 22, 3558-3573. | 1.2 | 79 |
| 33 | Variability and potential sources of predictability of North American runoff. <i>Water Resources Research</i> , 2004, 40, . | 1.7 | 66 |
| 34 | Effects of projected climate change on the hydrology in the Mono Lake Basin, California. <i>Climatic Change</i> , 2013, 116, 111-131. | 1.7 | 60 |
| 35 | Basinâ€“scale water system operations with uncertain future climate conditions: Methodology and case studies. <i>Water Resources Research</i> , 2010, 46, . | 1.7 | 58 |
| 36 | A spatially distributed model for the dynamic prediction of sediment erosion and transport in mountainous forested watersheds. <i>Water Resources Research</i> , 2006, 42, . | 1.7 | 51 |

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|----|---|-----|-----------|
| 37 | Contrasting Lumped and Distributed Hydrology Models for Estimating Climate Change Impacts on California Watersheds. Journal of the American Water Resources Association, 2010, 46, 1024-1035. | 1.0 | 47 |
| 38 | Detection Time for Plausible Changes in Annual Precipitation, Evapotranspiration, and Streamflow in Three Mississippi River Sub-Basins. Climatic Change, 2005, 72, 17-36. | 1.7 | 42 |
| 39 | Errors in climate model daily precipitation and temperature output: time invariance and implications for bias correction. Hydrology and Earth System Sciences, 2013, 17, 2147-2159. | 1.9 | 41 |
| 40 | Projections of 21st Century Sierra Nevada Local Hydrologic Flow Components Using an Ensemble of General Circulation Models. Journal of the American Water Resources Association, 2012, 48, 1104-1125. | 1.0 | 30 |
| 41 | Assessing differences in snowmelt-dependent hydrologic projections using CMIP3 and CMIP5 climate forcing data for the western United States. Hydrology Research, 2016, 47, 483-500. | 1.1 | 25 |
| 42 | Adjusting Flood Peak Frequency Changes to Account for Climate Change Impacts in the Western United States. Journal of Water Resources Planning and Management - ASCE, 2018, 144, . | 1.3 | 23 |
| 43 | Snowpack and runoff response to climate change in Owens Valley and Mono Lake watersheds. Climatic Change, 2013, 116, 97-109. | 1.7 | 21 |
| 44 | Using a Gridded Global Dataset to Characterize Regional Hydroclimate in Central Chile. Journal of Hydrometeorology, 2013, 14, 251-265. | 0.7 | 21 |
| 45 | Projected twenty-first-century changes in the Central American mid-summer drought using statistically downscaled climate projections. Regional Environmental Change, 2017, 17, 2421-2432. | 1.4 | 21 |
| 46 | Climate variability and vadose zone controls on damping of transient recharge. Journal of Hydrology, 2018, 561, 1094-1104. | 2.3 | 19 |
| 47 | Using Radar Data to Partition Precipitation into Rain and Snow in a Hydrologic Model. Journal of Hydrologic Engineering - ASCE, 2006, 11, 214-221. | 0.8 | 13 |
| 48 | Recent evidence for warmer and drier growing seasons in climate sensitive regions of Central America from multiple global datasets. International Journal of Climatology, 2022, 42, 1399-1417. | 1.5 | 11 |
| 49 | Ecosystem adaptation to climate change: Small mammal migration pathways in the Great Lakes states. Journal of Great Lakes Research, 2010, 36, 86-93. | 0.8 | 10 |
| 50 | Tools for Assessing Climate Impacts on Fish and Wildlife. Journal of Fish and Wildlife Management, 2013, 4, 220-241. | 0.4 | 10 |
| 51 | A SIMPLIFIED MODEL FOR PREDICTING DAILY TRANSMISSION LOSSES IN A STREAM CHANNEL. Journal of the American Water Resources Association, 1996, 32, 1139-1146. | 1.0 | 9 |
| 52 | The Mesoamerican mid-summer drought: the impact of its definition on occurrences and recent changes. Hydrology and Earth System Sciences, 2022, 26, 1425-1437. | 1.9 | 5 |
| 53 | Evaluating Uncertainty in Regional Hydrologic Impacts of Climate Change Using Different Global Models: A California Case Study. , 2005, , 1. | | 1 |
| 54 | Amplification of streamflow impacts of El Niño by increased atmospheric greenhouse gases. Geophysical Research Letters, 2006, 33, . | 1.5 | 1 |