Edwin P Maurer

List of Publications by Year
in descending order

54 papers	9,195 citations	87888 38 h-index	161849 54 g-index
56 all docs	56 docs citations	56 times ranked	7850 citing authors

#	Article	IF	Citations
1	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.	3.5	11
2	The Mesoamerican mid-summer drought: the impact of its definition on occurrences and recent changes. Hydrology and Earth System Sciences, 2022, 26, 1425-1437.	4.9	5
3	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, .	2.6	23
4	Climate variability and vadose zone controls on damping of transient recharge. Journal of Hydrology, 2018, 561, 1094-1104.	5.4	19
5	Projected twenty-first-century changes in the Central American mid-summer drought using statistically downscaled climate projections. Regional Environmental Change, 2017, 17, 2421-2432.	2.9	21
6	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.	2.7	25
7	Improved Bias Correction Techniques for Hydrological Simulations of Climate Change*. Journal of Hydrometeorology, 2015, 16, 2421-2442.	1.9	220
8	Probabilistic estimates of future changes in California temperature and precipitation using statistical and dynamical downscaling. Climate Dynamics, 2013, 40, 839-856.	3.8	136
9	Increases in flood magnitudes in California under warming climates. Journal of Hydrology, 2013, 501, 101-110.	5.4	98
10	Snowpack and runoff response to climate change in Owens Valley and Mono Lake watersheds. Climatic Change, 2013, 116, 97-109.	3.6	21
11	Effects of projected climate change on the hydrology in the Mono Lake Basin, California. Climatic Change, 2013, 116, 111-131.	3.6	60
12	The Key Role of Heavy Precipitation Events in Climate Model Disagreements of Future Annual Precipitation Changes in California. Journal of Climate, 2013, 26, 5879-5896.	3.2	93
13	Using a Gridded Global Dataset to Characterize Regional Hydroclimate in Central Chile. Journal of Hydrometeorology, 2013, 14, 251-265.	1.9	21
14	Effects of climate change on stream temperature, dissolved oxygen, and sediment concentration in the Sierra Nevada in California. Water Resources Research, 2013, 49, 2765-2782.	4.2	129
15	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.	3.2	499
16	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.	4.9	41
17	Climate Change Impacts on Streamflow and Subbasin-Scale Hydrology in the Upper Colorado River Basin. PLoS ONE, 2013, 8, e71297.	2.5	108
18	Tools for Assessing Climate Impacts on Fish and Wildlife. Journal of Fish and Wildlife Management, 2013, 4, 220-241.	0.9	10

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19	Development and application of a hydroclimatological stream temperature model within the Soil and Water Assessment Tool. Water Resources Research, 2012, 48, .	4.2	89
20	Projections of 21st Century Sierra Nevada Local Hydrologic Flow Components Using an Ensemble of General Circulation Models¹. Journal of the American Water Resources Association, 2012, 48, 1104-1125.	2.4	30
21	Projecting Water Withdrawal and Supply for Future Decades in the U.S. under Climate Change Scenarios. Environmental Science & Technology, 2012, 46, 2545-2556.	10.0	139
22	Technical Note: Bias correcting climate model simulated daily temperature extremes with quantile mapping. Hydrology and Earth System Sciences, 2012, 16, 3309-3314.	4.9	405
23	Contrasting Lumped and Distributed Hydrology Models for Estimating Climate Change Impacts on California Watersheds¹. Journal of the American Water Resources Association, 2010, 46, 1024-1035.	2.4	47
24	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.	4.9	294
25	Basinâ€scale water system operations with uncertain future climate conditions: Methodology and case studies. Water Resources Research, 2010, 46, .	4.2	58
26	Ecosystem adaptation to climate change: Small mammal migration pathways in the Great Lakes states. Journal of Great Lakes Research, 2010, 36, 86-93.	1.9	10
27	Observed 1970â€“2005 Cooling of Summer Daytime Temperatures in Coastal California. Journal of Climate, 2009, 22, 3558-3573.	3.2	79
28	Assessing reservoir operations risk under climate change. Water Resources Research, 2009, 45, .	4.2	149
29	Projected climateâ€induced faunal change in the Western Hemisphere. Ecology, 2009, 90, 588-597.	3.2	349
30	Applied Climate-Change Analysis: The Climate Wizard Tool. PLoS ONE, 2009, 4, e8320.	2.5	153
31	Climate change scenarios for the California region. Climatic Change, 2008, 87, 21-42.	3.6	483
32	Significance of model credibility in estimating climate projection distributions for regional hydroclimatological risk assessments. Climatic Change, 2008, 89, 371-394.	3.6	128
33	Regional climate change projections for the Northeast USA. Mitigation and Adaptation Strategies for Global Change, 2008, 13, 425-436.	2.1	219
34	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.	4.9	418
35	Detection, attribution, and sensitivity of trends toward earlier streamflow in the Sierra Nevada. Journal of Geophysical Research, 2007, 112, .	3.3	88
36	Fineâ€resolution climate projections enhance regional climate change impact studies. Eos, 2007, 88, 504-504.	0.1	402

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37	The Sensitivity of California Water Resources to Climate Change Scenarios. Journal of the American Water Resources Association, 2007, 43, 482-498.	2.4	123
38	Uncertainty in hydrologic impacts of climate change in the Sierra Nevada, California, under two emissions scenarios. Climatic Change, 2007, 82, 309-325.	3.6	338
39	A spatially distributed model for the dynamic prediction of sediment erosion and transport in mountainous forested watersheds. Water Resources Research, 2006, 42, .	4.2	51
40	Amplification of streamflow impacts of El NiÃ±o by increased atmospheric greenhouse gases. Geophysical Research Letters, 2006, 33, .	4.0	1
41	Using Radar Data to Partition Precipitation into Rain and Snow in a Hydrologic Model. Journal of Hydrologic Engineering - ASCE, 2006, 11, 214-221.	1.9	13
42	Evaluating Uncertainty in Regional Hydrologic Impacts of Climate Change Using Different Global Models: A California Case Study. , 2005, , 1.		1
43	Detection Time for Plausible Changes in Annual Precipitation, Evapotranspiration, and Streamflow in Three Mississippi River Sub-Basins. Climatic Change, 2005, 72, 17-36.	3.6	42
44	Uncertainty in projections of streamflow changes due to climate change in California. Geophysical Research Letters, 2005, 32, .	4.0	139
45	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.	7.1	709
46	Variability and potential sources of predictability of North American runoff. Water Resources Research, 2004, 40, .	4.2	66
47	Potential Effects of Long-Lead Hydrologic Predictability on Missouri River Main-Stem Reservoirs*. Journal of Climate, 2004, 17, 174-186.	3.2	88
48	Evaluation of the snow-covered area data product from MODIS. Hydrological Processes, 2003, 17, 59-71.	2.6	180
49	Predictability of seasonal runoff in the Mississippi River basin. Journal of Geophysical Research, 2003, 108, .	3.3	84
50	Detection of Intensification in Global- and Continental-Scale Hydrological Cycles: Temporal Scale of Evaluation. Journal of Climate, 2003, 16, 535-547.	3.2	163
51	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States*. Journal of Climate, 2002, 15, 3237-3251.	3.2	1,186
52	Long-range experimental hydrologic forecasting for the eastern United States. Journal of Geophysical Research, 2002, 107, ACL 6-1.	3.3	772
53	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
54	A SIMPLIFIED MODEL FOR PREDICTING DAILY TRANSMISSION LOSSES IN A STREAM CHANNEL. Journal of the American Water Resources Association, 1996, 32, 1139-1146.	2.4	9