

Edwin P Maurer

List of Publications by Citations

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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.

52
papers

7,727
citations

38
h-index

56
g-index

56
ext. papers

8,420
ext. citations

4.4
avg, IF

5.91
L-index

#	Paper	IF	Citations
52	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States*. <i>Journal of Climate</i> , 2002 , 15, 3237-3251	4.4	1079
51	Long-range experimental hydrologic forecasting for the eastern United States. <i>Journal of Geophysical Research</i> , 2002 , 107, ACL 6-1		649
50	Emissions pathways, climate change, and impacts on California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12422-7	11.5	605
49	Climate change scenarios for the California region. <i>Climatic Change</i> , 2008 , 87, 21-42	4.5	422
48	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States: Update and Extensions. <i>Journal of Climate</i> , 2013 , 26, 9384-9392	4.4	411
47	Utility of daily vs. monthly large-scale climate data: an intercomparison of two statistical downscaling methods. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 551-563	5.5	348
46	Fine-resolution climate projections enhance regional climate change impact studies. <i>Eos</i> , 2007 , 88, 504-504	5.4	342
45	Projected climate-induced faunal change in the Western Hemisphere. <i>Ecology</i> , 2009 , 90, 588-97	4.6	304
44	Uncertainty in hydrologic impacts of climate change in the Sierra Nevada, California, under two emissions scenarios. <i>Climatic Change</i> , 2007 , 82, 309-325	4.5	300
43	Technical Note: Bias correcting climate model simulated daily temperature extremes with quantile mapping. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 3309-3314	5.5	249
42	The utility of daily large-scale climate data in the assessment of climate change impacts on daily streamflow in California. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 1125-1138	5.5	242
41	Regional climate change projections for the Northeast USA. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2008 , 13, 425-436	3.9	184
40	Evaluation of the snow-covered area data product from MODIS. <i>Hydrological Processes</i> , 2003 , 17, 59-71	3.3	161
39	Detection of Intensification in Global- and Continental-Scale Hydrological Cycles: Temporal Scale of Evaluation. <i>Journal of Climate</i> , 2003 , 16, 535-547	4.4	145
38	Improved Bias Correction Techniques for Hydrological Simulations of Climate Change*. <i>Journal of Hydrometeorology</i> , 2015 , 16, 2421-2442	3.7	144
37	Assessing reservoir operations risk under climate change. <i>Water Resources Research</i> , 2009 , 45,	5.4	125
36	Applied climate-change analysis: the climate wizard tool. <i>PLoS ONE</i> , 2009 , 4, e8320	3.7	124

35	Projecting water withdrawal and supply for future decades in the U.S. under climate change scenarios. <i>Environmental Science & Technology</i> , 2012 , 46, 2545-56	10.3	118
34	Evaluation of the land surface water budget in NCEP/NCAR and NCEP/DOE reanalyses using an off-line hydrologic model. <i>Journal of Geophysical Research</i> , 2001 , 106, 17841-17862		117
33	Probabilistic estimates of future changes in California temperature and precipitation using statistical and dynamical downscaling. <i>Climate Dynamics</i> , 2013 , 40, 839-856	4.2	115
32	Uncertainty in projections of streamflow changes due to climate change in California. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	115
31	Significance of model credibility in estimating climate projection distributions for regional hydroclimatological risk assessments. <i>Climatic Change</i> , 2008 , 89, 371-394	4.5	113
30	The Sensitivity of California Water Resources to Climate Change Scenarios ¹ . <i>Journal of the American Water Resources Association</i> , 2007 , 43, 482-498	2.1	108
29	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	5.4	98
28	Climate change impacts on streamflow and subbasin-scale hydrology in the Upper Colorado River Basin. <i>PLoS ONE</i> , 2013 , 8, e71297	3.7	88
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	4.4	82
26	Increases in flood magnitudes in California under warming climates. <i>Journal of Hydrology</i> , 2013 , 501, 101-110	6	81
25	Detection, attribution, and sensitivity of trends toward earlier streamflow in the Sierra Nevada. <i>Journal of Geophysical Research</i> , 2007 , 112,		80
24	Potential Effects of Long-Lead Hydrologic Predictability on Missouri River Main-Stem Reservoirs*. <i>Journal of Climate</i> , 2004 , 17, 174-186	4.4	77
23	Predictability of seasonal runoff in the Mississippi River basin. <i>Journal of Geophysical Research</i> , 2003 , 108,		75
22	Development and application of a hydroclimatological stream temperature model within the Soil and Water Assessment Tool. <i>Water Resources Research</i> , 2012 , 48,	5.4	70
21	Variability and potential sources of predictability of North American runoff. <i>Water Resources Research</i> , 2004 , 40,	5.4	59
20	Observed 1970-2005 Cooling of Summer Daytime Temperatures in Coastal California. <i>Journal of Climate</i> , 2009 , 22, 3558-3573	4.4	58
19	Effects of projected climate change on the hydrology in the Mono Lake Basin, California. <i>Climatic Change</i> , 2013 , 116, 111-131	4.5	54
18	Basin-scale water system operations with uncertain future climate conditions: Methodology and case studies. <i>Water Resources Research</i> , 2010 , 46,	5.4	53

17	Contrasting Lumped and Distributed Hydrology Models for Estimating Climate Change Impacts on California Watersheds ¹ . <i>Journal of the American Water Resources Association</i> , 2010 , 46, 1024-1035	2.1	41
16	A spatially distributed model for the dynamic prediction of sediment erosion and transport in mountainous forested watersheds. <i>Water Resources Research</i> , 2006 , 42,	5.4	38
15	Detection Time for Plausible Changes in Annual Precipitation, Evapotranspiration, and Streamflow in Three Mississippi River Sub-Basins. <i>Climatic Change</i> , 2005 , 72, 17-36	4.5	38
14	Errors in climate model daily precipitation and temperature output: time invariance and implications for bias correction. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 2147-2159	5.5	33
13	Projections of 21st Century Sierra Nevada Local Hydrologic Flow Components Using an Ensemble of General Circulation Models ¹ . <i>Journal of the American Water Resources Association</i> , 2012 , 48, 1104-1125 ¹	2.1	28
12	Adjusting Flood Peak Frequency Changes to Account for Climate Change Impacts in the Western United States. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 05017025	2.8	21
11	Assessing differences in snowmelt-dependent hydrologic projections using CMIP3 and CMIP5 climate forcing data for the western United States 2016 , 47, 483-500		20
10	Snowpack and runoff response to climate change in Owens Valley and Mono Lake watersheds. <i>Climatic Change</i> , 2013 , 116, 97-109	4.5	17
9	Using a Gridded Global Dataset to Characterize Regional Hydroclimate in Central Chile. <i>Journal of Hydrometeorology</i> , 2013 , 14, 251-265	3.7	17
8	Projected twenty-first-century changes in the Central American mid-summer drought using statistically downscaled climate projections. <i>Regional Environmental Change</i> , 2017 , 17, 2421-2432	4.3	16
7	Climate variability and vadose zone controls on damping of transient recharge. <i>Journal of Hydrology</i> , 2018 , 561, 1094-1104	6	13
6	Using Radar Data to Partition Precipitation into Rain and Snow in a Hydrologic Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2006 , 11, 214-221	1.8	12
5	Tools for Assessing Climate Impacts on Fish and Wildlife. <i>Journal of Fish and Wildlife Management</i> , 2013 , 4, 220-241	0.7	10
4	Ecosystem adaptation to climate change: Small mammal migration pathways in the Great Lakes states. <i>Journal of Great Lakes Research</i> , 2010 , 36, 86-93	3	9
3	A SIMPLIFIED MODEL FOR PREDICTING DAILY TRANSMISSION LOSSES IN A STREAM CHANNEL ¹ . <i>Journal of the American Water Resources Association</i> , 1996 , 32, 1139-1146	2.1	9
2	Amplification of streamflow impacts of El Niño by increased atmospheric greenhouse gases. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	1
1	Evaluating Uncertainty in Regional Hydrologic Impacts of Climate Change Using Different Global Models: A California Case Study 2005 , 1		1