David Robertson

List of Publications by Year
in descending order

53 papers	3,030 citations	159585 30 h-index	197818 49 g-index
65 all docs	65 docs citations	65 times ranked	2736 citing authors

#	Article	IF	Citations
1	A Data Censoring Approach for Predictive Error Modeling of Flow in Ephemeral Rivers. Water Resources Research, 2020, 56, e2019WR026128.	4.2	16
2	Using the Schaake shuffle when calibrating ensemble means can be problematic. Journal of Hydrology, 2020, 587, 124991.	5.4	0
3	Ensemble flood forecasting: Current status and future opportunities. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1432.	6.5	96
4	Calibrating Hourly Precipitation Forecasts with Daily Observations. Journal of Hydrometeorology, 2020, 21, 1655-1673.	1.9	14
5	A Bayesian hierarchical spatio-temporal rainfall model. Journal of Applied Statistics, 2019, 46, 217-229.	1.3	0
6	A Seasonally Coherent Calibration (SCC) Model for Postprocessing Numerical Weather Predictions. Monthly Weather Review, 2019, 147, 3633-3647.	1.4	23
7	Twenty-three unsolved problems in hydrology (UPH) â€" a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	474
8	A Bayesian modelling method for post-processing daily sub-seasonal to seasonal rainfall forecasts from global climate models and evaluation for 12ÂAustralian catchments. Hydrology and Earth System Sciences, 2018, 22, 1615-1628.	4.9	50
9	On the importance of soil moisture in calibration of rainfallâ€"runoff models: two case studies. Hydrological Sciences Journal, 2018, 63, 1292-1312.	2.6	16
10	Seasonal streamflow forecasting in the upper Indus Basin of Pakistan: an assessment of methods. Hydrology and Earth System Sciences, 2018, 22, 3533-3549.	4.9	17
11	Improved error modelling for streamflow forecasting at hourly time steps by splitting hydrographs into rising and falling limbs. Journal of Hydrology, 2017, 555, 586-599.	5.4	25
12	Assessment of an ensemble seasonal streamflow forecasting system for Australia. Hydrology and Earth System Sciences, 2017, 21, 6007-6030.	4.9	45
13	Complex relationship between seasonal streamflow forecast skill and value in reservoir operations. Hydrology and Earth System Sciences, 2017, 21, 4841-4859.	4.9	85
14	A comparison of the discrete cosine and wavelet transforms for hydrologic model input data reduction. Hydrology and Earth System Sciences, 2017, 21, 3827-3838.	4.9	8
15	Error reduction and representation in stages (ERRIS) in hydrological modelling for ensemble streamflow forecasting. Hydrology and Earth System Sciences, 2016, 20, 3561-3579.	4.9	49
16	Ensemble forecasting of shortâ€term system scale irrigation demands using realâ€time flow data and numerical weather predictions. Water Resources Research, 2016, 52, 4801-4822.	4.2	19
17	Reliable long-range ensemble streamflow forecasts: Combining calibrated climate forecasts with a conceptual runoff model and a staged error model. Water Resources Research, 2016, 52, 8238-8259.	4.2	64
18	Dual assimilation of satellite soil moisture to improve streamflow prediction in dataâ€scarce catchments. Water Resources Research, 2016, 52, 5357-5375.	4.2	49

#	ARTICLE	IF	CITATIONS
19	Calibrating hourly rainfall-runoff models with daily forcings for streamflow forecasting applications in meso-scale catchments. Environmental Modelling and Software, 2016, 76, 20-36.	4.5	40
20	Improving operational flood ensemble prediction by the assimilation of satellite soil moisture: comparison between lumped and semi-distributed schemes. Hydrology and Earth System Sciences, 2015, 19, 1659-1676.	4.9	98
21	A strategy to overcome adverse effects of autoregressive updating of streamflow forecasts. Hydrology and Earth System Sciences, 2015, 19, 1-15.	4.9	48
22	Quantifying predictive uncertainty of streamflow forecasts based on a Bayesian joint probability model. Journal of Hydrology, 2015, 528, 329-340.	5.4	49
23	Improving Precipitation Forecasts by Generating Ensembles through Postprocessing. Monthly Weather Review, 2015, 143, 3642-3663.	1.4	61
24	Engendering stakeholder ownership in scenario planning. Technological Forecasting and Social Change, 2015, 91, 250-263.	11.6	23
25	The challenge of forecasting high streamflows 1â€"3 months in advance with lagged climate indices in southeast Australia. Natural Hazards and Earth System Sciences, 2014, 14, 219-233.	3.6	21
26	The impacts of assimilating satellite soil moisture into a rainfallâ€"runoff model in a semi-arid catchment. Journal of Hydrology, 2014, 519, 2763-2774.	5.4	72
27	Seasonal Forecasts of Australian Rainfall through Calibration and Bridging of Coupled GCM Outputs. Monthly Weather Review, 2014, 142, 1758-1770.	1.4	52
28	An integrated error parameter estimation and lag-aware data assimilation scheme for real-time flood forecasting. Journal of Hydrology, 2014, 519, 2722-2736.	5.4	42
29	A System for Continuous Hydrological Ensemble Forecasting (SCHEF) to lead times of 9 days. Journal of Hydrology, 2014, 519, 2832-2846.	5.4	56
30	Ensemble dressing for hydrological applications. Hydrological Processes, 2013, 27, 106-116.	2.6	55
31	Seasonal Forecasts of Unregulated Inflows into the Murray River, Australia. Water Resources Management, 2013, 27, 2747-2769.	3.9	17
32	The value of model averaging and dynamical climate model predictions for improving statistical seasonal streamflow forecasts over Australia. Water Resources Research, 2013, 49, 6671-6687.	4.2	16
33	Effective use of general circulation model outputs for forecasting monthly rainfalls to long lead times. Water Resources Research, 2013, 49, 5427-5436.	4.2	46
34	Improving statistical forecasts of seasonal streamflows using hydrological model output. Hydrology and Earth System Sciences, 2013, 17, 579-593.	4.9	57
35	Evaluation of numerical weather prediction model precipitation forecasts for short-term streamflow forecasting purpose. Hydrology and Earth System Sciences, 2013, 17, 1913-1931.	4.9	103
36	A Bayesian joint probability post-processor for reducing errors and quantifying uncertainty in monthly streamflow predictions. Hydrology and Earth System Sciences, 2013, 17, 795-804.	4.9	17

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37	Post-processing rainfall forecasts from numerical weather prediction models for short-term streamflow forecasting. Hydrology and Earth System Sciences, 2013, 17, 3587-3603.	4.9	120
38	A Bayesian Approach to Predictor Selection for Seasonal Streamflow Forecasting. Journal of Hydrometeorology, 2012, 13, 155-171.	1.9	78
39	A log–sinh transformation for data normalization and variance stabilization. Water Resources Research, 2012, 48, .	4.2	127
40	Combining the strengths of statistical and dynamical modeling approaches for forecasting Australian seasonal rainfall. Journal of Geophysical Research, 2012, 117, .	3.3	50
41	Evidence for Using Lagged Climate Indices to Forecast Australian Seasonal Rainfall. Journal of Climate, 2012, 25, 1230-1246.	3.2	115
42	Merging Seasonal Rainfall Forecasts from Multiple Statistical Models through Bayesian Model Averaging. Journal of Climate, 2012, 25, 5524-5537.	3.2	88
43	Multisite probabilistic forecasting of seasonal flows for streams with zero value occurrences. Water Resources Research, 2011, 47, .	4.2	146
44	Monthly versus daily water balance models in simulating monthly runoff. Journal of Hydrology, 2011, 404, 166-175.	5.4	77
45	A dual-pass error-correction technique for forecasting streamflow. Journal of Hydrology, 2011, 405, 367-381.	5.4	30
46	A Bayesian network approach to knowledge integration and representation of farm irrigation: 2. Model validation. Water Resources Research, 2009, 45, .	4.2	5
47	A Bayesian network approach to knowledge integration and representation of farm irrigation: 3. Spatial application. Water Resources Research, 2009, 45, .	4.2	4
48	A Bayesian joint probability modeling approach for seasonal forecasting of streamflows at multiple sites. Water Resources Research, 2009, 45, .	4.2	195
49	A Bayesian network approach to knowledge integration and representation of farm irrigation: 1. Model development. Water Resources Research, 2009, 45, .	4.2	25
50	Estimating hydraulic parameters for a surface irrigation model from field conditions. Australian Journal of Experimental Agriculture, 2004, 44, 173.	1.0	13
51	Bayesian networks for decision analyses – an application to irrigation system selection. Australian Journal of Experimental Agriculture, 2004, 44, 145.	1.0	19
52	A qualitative approach to improve the effectiveness of products of research findings for users: a case study of the Analytical Irrigation Model. Australian Journal of Experimental Agriculture, 2004, 44, 207.	1.0	0
53	Estimating Lake Mulwala diversions for calibration of a semi-distributed hydrologic model of the Murray River. , 0, , .		0