

Robert J Moore

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,990
citations

430754

18
h-index

454834

30
g-index

32
all docs

32
docs citations

32
times ranked

2055
citing authors

#	ARTICLE	IF	CITATIONS
1	The probability-distributed principle and runoff production at point and basin scales. <i>Hydrological Sciences Journal</i> , 1985, 30, 273-297.	1.2	486
2	Rainfall and sampling uncertainties: A rain gauge perspective. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	356
3	A distribution function approach to rainfall runoff modeling. <i>Water Resources Research</i> , 1981, 17, 1367-1382.	1.7	164
4	Hydrological modelling using raingauge- and radar-based estimators of areal rainfall. <i>Journal of Hydrology</i> , 2008, 358, 159-181.	2.3	133
5	Use of soil data in a grid-based hydrological model to estimate spatial variation in changing flood risk across the UK. <i>Journal of Hydrology</i> , 2009, 377, 335-350.	2.3	105
6	Distributed hydrological modelling using weather radar in gauged and ungauged basins. <i>Advances in Water Resources</i> , 2009, 32, 1107-1120.	1.7	95
7	Forecasting for flood warning. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 203-217.	0.4	88
8	Use of high-resolution NWP rainfall and river flow forecasts for advance warning of the Carlisle flood, north-west England. <i>Meteorological Applications</i> , 2009, 16, 23-34.	0.9	68
9	Long-term assessment of bias adjustment in radar rainfall estimation. <i>Water Resources Research</i> , 2002, 38, 8-1-8-10.	1.7	67
10	How might climate change affect river flows across the Thames Basin? An area-wide analysis using the UKCP09 Regional Climate Model ensemble. <i>Journal of Hydrology</i> , 2012, 442-443, 89-104.	2.3	60
11	Use of a grid-based hydrological model and regional climate model outputs to assess changing flood risk. <i>International Journal of Climatology</i> , 2007, 27, 1657-1671.	1.5	56
12	Operational use of a grid-based model for flood forecasting. <i>Water Management</i> , 2012, 165, 65-77.	0.4	55
13	A distribution function approach to modelling basin sediment yield. <i>Journal of Hydrology</i> , 1983, 65, 239-257.	2.3	29
14	Using a 1-D mixing model to simulate the vertical flux of heat and oxygen in a lake subject to episodic mixing. <i>Ecological Modelling</i> , 2006, 190, 41-54.	1.2	28
15	A Dynamic Model of Basin Sediment Yield. <i>Water Resources Research</i> , 1984, 20, 89-103.	1.7	24
16	Estimating Potential Evaporation from Vegetated Surfaces for Water Management Impact Assessments Using Climate Model Output. <i>Journal of Hydrometeorology</i> , 2011, 12, 1127-1136.	0.7	22
17	Production, storage and output of coarse upland sediments: natural and artificial influences as revealed by research catchment studies. <i>Journal of the Geological Society</i> , 1986, 143, 921-926.	0.9	20
18	Use of a stochastic precipitation nowcast scheme for fluvial flood forecasting and warning. <i>Atmospheric Science Letters</i> , 2005, 6, 78-83.	0.8	19

#	ARTICLE	IF	CITATIONS
19	Algorithm AS 187: Derivatives of the Incomplete Gamma Integral. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 1982, 31, 330.	0.5	16
20	Modelling the effects of drought on the population of brown trout in Black Brows Beck. <i>Ecological Modelling</i> , 2000, 127, 141-159.	1.2	16
21	Risk assessment and drought management in the Thames basin. <i>Hydrological Sciences Journal</i> , 1989, 34, 705-717.	1.2	14
22	Real-time forecasts of flood hazard and impact: some UK experiences. <i>E3S Web of Conferences</i> , 2016, 7, 18015.	0.2	13
23	Developing an impact library for forecasting surface water flood risk. <i>Journal of Flood Risk Management</i> , 2020, 13, e12641.	1.6	13
24	Using a 1-D mixing model to assess the potential impact of year-to-year changes in weather on the habitat of vendace (<i>Coregonus albula</i>) in Bassenthwaite Lake, Cumbria. <i>Freshwater Biology</i> , 2006, 51, 1407-1416.	1.2	11
25	Towards operational joint river flow and precipitation ensemble verification: considerations and strategies given limited ensemble records. <i>Journal of Hydrology</i> , 2019, 577, 123966.	2.3	7
26	Interfacing an enhanced radar echo tracking algorithm with a rainfall-runoff model for real-time flood forecasting. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 1329-1333.	0.3	6
27	Some properties of variance reduction techniques where hydrological extremes are estimated by Monte Carlo Simulation. <i>Water Resources Research</i> , 1978, 14, 55-61.	1.7	5
28	Real-time flood inundation forecasting and mapping for key railway infrastructure: a UK case study. <i>E3S Web of Conferences</i> , 2016, 7, 18020.	0.2	5
29	Estimating snow water equivalent using cosmic-ray neutron sensors from the COSMOS-UK network. <i>Hydrological Processes</i> , 2021, 35, e14048.	1.1	5
30	River flow forecasting using a rainfall disaggregation model incorporating small-scale topographic effects. <i>Meteorological Applications</i> , 2001, 8, 297-305.	0.9	4
31	Weather Radar and Hydrology: Preface. <i>Hydrological Sciences Journal</i> , 2014, 59, 1275-1275.	1.2	0
32	Understanding the national performance of flood forecasting models to guide incident management and investment. <i>E3S Web of Conferences</i> , 2016, 7, 18007.	0.2	0