

# Stewart W Franks

## List of Publications by Year in descending order

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34  
papers

3,528  
citations

218381  
26  
h-index

395343  
33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding predictive uncertainty in hydrologic modeling: The challenge of identifying input and structural errors. <i>Water Resources Research</i> , 2010, 46, .	1.7	589
2	Bayesian analysis of input uncertainty in hydrological modeling: 1. Theory. <i>Water Resources Research</i> , 2006, 42, .	1.7	318
3	Multi-decadal variability of flood risk. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	259
4	On constraining the predictions of a distributed model: The incorporation of fuzzy estimates of saturated areas into the calibration process. <i>Water Resources Research</i> , 1998, 34, 787-797.	1.7	196
5	Multidecadal variability of rainfall and streamflow: Eastern Australia. <i>Water Resources Research</i> , 2004, 40, .	1.7	195
6	Bayesian analysis of input uncertainty in hydrological modeling: 2. Application. <i>Water Resources Research</i> , 2006, 42, .	1.7	193
7	Toward a reliable decomposition of predictive uncertainty in hydrological modeling: Characterizing rainfall errors using conditional simulation. <i>Water Resources Research</i> , 2011, 47, .	1.7	172
8	Long-term behaviour of ENSO: Interactions with the PDO over the past 400 years inferred from paleoclimate records. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	170
9	Multi-decadal variability of drought risk, eastern Australia. <i>Hydrological Processes</i> , 2004, 18, 2039-2050.	1.1	150
10	Confronting input uncertainty in environmental modelling. <i>Water Science and Application</i> , 2003, , 49-68.	0.3	126
11	Flood frequency analysis: Evidence and implications of secular climate variability, New South Wales. <i>Water Resources Research</i> , 2002, 38, 20-1-20-7.	1.7	107
12	Bayesian estimation of uncertainty in land surface-atmosphere flux predictions. <i>Journal of Geophysical Research</i> , 1997, 102, 23991-23999.	3.3	105
13	On the identification of ENSO-induced rainfall and runoff variability: a comparison of methods and indices. <i>Hydrological Sciences Journal</i> , 2001, 46, 715-727.	1.2	103
14	Calibration of conceptual hydrological models revisited: 1. Overcoming numerical artefacts. <i>Journal of Hydrology</i> , 2006, 320, 173-186.	2.3	101
15	Uncertainty-based assessment of tracer selection, tracer non-conservativeness and multiple solutions in sediment fingerprinting using synthetic and field data. <i>Journal of Soils and Sediments</i> , 2015, 15, 2101-2116.	1.5	88
16	Indian Ocean sea surface temperature variability and winter rainfall: Eastern Australia. <i>Water Resources Research</i> , 2005, 41, .	1.7	84
17	On ENSO impacts on European wintertime rainfalls and their modulation by the NAO and the Pacific multi-decadal variability described through the PDO index. <i>International Journal of Climatology</i> , 2008, 28, 995-1006.	1.5	73
18	Multidecadal variability in coastal eastern Australian flood data. <i>Journal of Hydrology</i> , 2006, 327, 219-225.	2.3	72

#	ARTICLE	IF	CITATIONS
19	Multi-decadal variability of forest fire risk - eastern Australia. <i>International Journal of Wildland Fire</i> , 2004, 13, 165.	1.0	63
20	Calibration of conceptual hydrological models revisited: 2. Improving optimisation and analysis. <i>Journal of Hydrology</i> , 2006, 320, 187-201.	2.3	55
21	Semidistributed hydrological modeling: A "saturation path" perspective on TOPMODEL and VIC. <i>Water Resources Research</i> , 2003, 39, .	1.7	53
22	Conditioning a multiple-patch SVAT Model using uncertain time-space estimates of latent heat fluxes as inferred from remotely sensed data. <i>Water Resources Research</i> , 1999, 35, 2751-2761.	1.7	38
23	Hydrological implications of the Southern Oscillation: variability of the rainfall-runoff relationship. <i>Hydrological Sciences Journal</i> , 2001, 46, 73-88.	1.2	38
24	Assessing hydrological change: deterministic general circulation models or spurious solar correlation?. <i>Hydrological Processes</i> , 2002, 16, 559-564.	1.1	38
25	Climate-informed stochastic hydrological modeling: Incorporating decadal-scale variability using paleo data. <i>Water Resources Research</i> , 2011, 47, .	1.7	38
26	On the recent warming in the Murray-Darling Basin: Land surface interactions misunderstood. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	29
27	Bayesian sediment fingerprinting provides a robust tool for environmental forensic geoscience applications. <i>Geological Society Special Publication</i> , 2004, 232, 207-213.	0.8	20
28	Influence of Indian Ocean sea surface temperature variability on southwest Western Australian winter rainfall. <i>Water Resources Research</i> , 2006, 42, .	1.7	19
29	A new stochastic model for simulating daily solar radiation from sunshine hours. <i>International Journal of Climatology</i> , 2015, 35, 1090-1106.	1.5	11
30	On the role of soil moisture in daytime evolution of temperatures. <i>Hydrological Processes</i> , 2013, 27, 3896-3904.	1.1	10
31	Disaggregation of Environmental Factors Affecting Sewer Pipe Failures. <i>Journal of Infrastructure Systems</i> , 1999, 5, 150-158.	1.0	9
32	Flood frequency censoring errors associated with daily-read flood observations. <i>Water Resources Research</i> , 2005, 41, .	1.7	4
33	Reply to the comment of Cai et al. on the paper "On the recent warming in the Murray-Darling Basin: Land surface interactions misunderstood" by Lockart et al.. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	2
34	Flood Risk in Eastern Australia " Climate Variability and Change. , 2014, , 605-624.		0