Christian W Dawson

List of Publications by Citations

32 papers	2,120 citations	15 h-index	32 g-index
32 ext. papers	2,330 ext. citations	4.7 avg, IF	4.89 L-index

#	Paper	IF	Citations
32	An artificial neural network approach to rainfall-runoff modelling. *Hydrological Sciences Journal*, **1998**, 43, 47-66	3.5	454
31	HydroTest: A web-based toolbox of evaluation metrics for the standardised assessment of hydrological forecasts. *Environmental Modelling and Software*, **2007**, 22, 1034-1052	5.2	327
30	Two decades of anarchy? Emerging themes and outstanding challenges for neural network river forecasting. *Progress in Physical Geography*, **2012**, 36, 480-513	3.5	193
29	The Statistical DownScaling Model: insights from one decade of application. *International Journal of Climatology*, **2013**, 33, 1707-1719	3.5	183
28	Flood estimation at ungauged sites using artificial neural networks. *Journal of Hydrology*, **2006**, 319, 391409	6	167
27	Detection of conceptual model rainfallrunoff processes inside an artificial neural network. *Hydrological Sciences Journal*, **2003**, 48, 163-181	3.5	155
26	The effect of different basis functions on a radial basis function network for time series prediction: A comparative study. *Neurocomputing*, **2006**, 69, 2161-2170	5.4	113
25	The Statistical DownScaling Model - Decision Centric (SDSM-DC): conceptual basis and applications. *Climate Research*, **2014**, 61, 259-276	1.6	91
24	A review of genetic algorithms applied to training radial basis function networks. *Neural Computing and Applications*, **2004**, 13, 193-201	4.8	89
23	Hydrological modelling using artificial neural networks. *Progress in Physical Geography*, **2001**, 25, 80-108	3.5	81
22	Improved validation framework and R-package for artificial neural network models. *Environmental Modelling and Software*, **2017**, 92, 82-106	5.2	35
21	Symbiotic adaptive neuro-evolution applied to rainfall-runoff modelling in northern England. *Neural Networks*, **2006**, 19, 236-47	9.1	35
20	Neural network and GA approaches for dwelling fire occurrence prediction. *Knowledge-Based Systems*, **2006**, 19, 213-219	7.3	33
19	HydroTest: Further development of a web resource for the standardised assessment of hydrological models. *Environmental Modelling and Software*, **2010**, 25, 1481-1482	5.2	27
18	The search for orthogonal hydrological modelling metrics: a case study of 20 monitoring stations in Colombia. *Journal of Hydroinformatics*, **2011**, 13, 429-442	2.6	16
17	Ideal point error for model assessment in data-driven river flow forecasting. *Hydrology and Earth System Sciences*, **2012**, 16, 3049-3060	5.5	13
16	NEARLY TWO DECADES OF NEURAL NETWORK HYDROLOGIC MODELING **2010**, 267-346		13

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15	Sensitivity analysis for comparison, validation and physical legitimacy of neural network-based hydrological models. *Journal of Hydroinformatics*, **2014**, 16, 407-424	2.6	12
14	Legitimising data-driven models: exemplification of a new data-driven mechanistic modelling framework. *Hydrology and Earth System Sciences*, **2013**, 17, 2827-2843	5.5	12
13	Inductive learning approaches to rainfall-runoff modelling. *International Journal of Neural Systems*, **2000**, 10, 43-57	6.2	12
12	Generalised activity-on-the-node networks for managing uncertainty in projects. *International Journal of Project Management*, **1995**, 13, 353-362	7.6	11
11	DAMP: A protocol for contextualising goodness-of-fit statistics in sediment-discharge data-driven modelling. *Journal of Hydrology*, **2011**, 409, 596-611	6	10
10	The effect of a computer-based cartooning tool on children cartoons and written stories. *Computers and Education*, **2008**, 51, 900-925	9.5	9
9	Discussion of Evapotranspiration modelling using support vector machines View all notes. *Hydrological Sciences Journal*, **2010**, 55, 1442-1450	3.5	8
8	The need for operational reasoning in data-driven rating curve prediction of suspended sediment. *Hydrological Processes*, **2012**, 26, 3982-4000	3.3	7
7	Mimicking player strategies in fighting games **2011**,		5
6	Cartoons beyond clipart: A computer tool for storyboarding and storywriting. *Computers and Education*, **2009**, 52, 188-200	9.5	3
5	Effectiveness of a case-based system in lesson planning. *Journal of Computer Assisted Learning*, **2014**, 30, 408-424	3.8	2
4	Artefact generation in second life with case-based reasoning. *Software Quality Journal*, **2011**, 19, 431-446	1.2	2
3	Software Development Process Models: A Technique for Evaluation and Decision-Making. *Knowledge and Process Management*, **2014**, 21, 42-53	1.8	1
2	Single Network Modelling Solutions **2004**, 39-59		1
1	On the Physical and Operational Rationality of Data-Driven Models for Suspended Sediment Prediction in Rivers **2017**, 31-46		