Christian W Dawson

List of Publications by Year
in descending order

32 papers	2,646 citations	567247 15 h-index	501174 28 g-index
32 all docs	32 docs citations	32 times ranked	2645 citing authors

#	ARTICLE	IF	CITATIONS
1	An artificial neural network approach to rainfall-runoff modelling. Hydrological Sciences Journal, 1998, 43, 47-66.	2.6	555
2	HydroTest: A web-based toolbox of evaluation metrics for the standardised assessment of hydrological forecasts. Environmental Modelling and Software, 2007, 22, 1034-1052.	4.5	405
3	The Statistical DownScaling Model: insights from one decade of application. International Journal of Climatology, 2013, 33, 1707-1719.	3.5	246
4	Two decades of anarchy? Emerging themes and outstanding challenges for neural network river forecasting. Progress in Physical Geography, 2012, 36, 480-513.	3.2	235
5	Flood estimation at ungauged sites using artificial neural networks. Journal of Hydrology, 2006, 319, 391-409.	5.4	210
6	Detection of conceptual model rainfall–runoff processes inside an artificial neural network. Hydrological Sciences Journal, 2003, 48, 163-181.	2.6	182
7	The effect of different basis functions on a radial basis function network for time series prediction: A comparative study. Neurocomputing, 2006, 69, 2161-2170.	5.9	136
8	Hydrological modelling using artificial neural networks. Progress in Physical Geography, 2001, 25, 80-108.	3.2	122
9	A review of genetic algorithms applied to training radial basis function networks. Neural Computing and Applications, 2004, 13, 193-201.	5.6	111
10	The Statistical DownScaling Model - Decision Centric (SDSM-DC): conceptual basis and applications. Climate Research, 2014, 61, 259-276.	1.1	110
11	Improved validation framework and R-package for artificial neural network models. Environmental Modelling and Software, 2017, 92, 82-106.	4.5	49
12	Neural network and GA approaches for dwelling fire occurrence prediction. Knowledge-Based Systems, 2006, 19, 213-219.	7.1	40
13	Symbiotic adaptive neuro-evolution applied to rainfall–runoff modelling in northern England. Neural Networks, 2006, 19, 236-247.	5.9	39
14	HydroTest: Further development of a web resource for the standardised assessment of hydrological models. Environmental Modelling and Software, 2010, 25, 1481-1482.	4.5	32
15	The search for orthogonal hydrological modelling metrics: a case study of 20 monitoring stations in Colombia. Journal of Hydroinformatics, 2011, 13, 429-442.	2.4	19
16	NEARLY TWO DECADES OF NEURAL NETWORK HYDROLOGIC MODELING. , 2010, , 267-346.		17
17	INDUCTIVE LEARNING APPROACHES TO RAINFALL-RUNOFF MODELLING. International Journal of Neural Systems, 2000, 10, 43-57.	5.2	16
18	The effect of a computer-based cartooning tool on children's cartoons and written stories. Computers and Education, 2008, 51, 900-925.	8.3	14

#	Article	IF	Citations
19	Ideal point error for model assessment in data-driven river flow forecasting. Hydrology and Earth System Sciences, 2012, 16, 3049-3060.	4.9	14
20	Legitimising data-driven models: exemplification of a new data-driven mechanistic modelling framework. Hydrology and Earth System Sciences, 2013, 17, 2827-2843.	4.9	14
21	Cartoons beyond clipart: A computer tool for storyboarding and storywriting. Computers and Education, 2009, 52, 188-200.	8.3	12
22	Sensitivity analysis for comparison, validation and physical legitimacy of neural network-based hydrological models. Journal of Hydroinformatics, 2014, 16, 407-424.	2.4	12
23	Generalised activity-on-the-node networks for managing uncertainty in projects. International Journal of Project Management, 1995, 13, 353-362.	5.6	11
24	DAMP: A protocol for contextualising goodness-of-fit statistics in sediment-discharge data-driven modelling. Journal of Hydrology, 2011, 409, 596-611.	5.4	10
25	Discussion of â€œEvapotranspiration modelling using support vector machinesâ€. Hydrological Sciences Journal, 2010, 55, 1442-1450.	2.6	9
26	Mimicking player strategies in fighting games. , 2011, , .		7
27	The need for operational reasoning in dataâ€driven rating curve prediction of suspended sediment. Hydrological Processes, 2012, 26, 3982-4000.	2.6	7
28	Effectiveness of a caseâ€based system in lesson planning. Journal of Computer Assisted Learning, 2014, 30, 408-424.	5.1	4
29	Software Development Process Models: A Technique for Evaluation and Decision-Making. Knowledge and Process Management, 2014, 21, 42-53.	4.4	4
30	Artefact generation in second life with case-based reasoning. Software Quality Journal, 2011, 19, 431-446.	2.2	2
31	Single Network Modelling Solutions. , 2004, , 39-59.		2
32	On the Physical and Operational Rationality of Data-Driven Models for Suspended Sediment Prediction in Rivers. , 2017, , 31-46.		0