# Christian W Dawson

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Improved validation framework and R-package for artificial neural network models. *Environmental Modelling and Software*, **2017**, 92, 82-106 | 5.2 | 35 |
| 31 | On the Physical and Operational Rationality of Data-Driven Models for Suspended Sediment Prediction in Rivers **2017**, 31-46 | | |
| 30 | Software Development Process Models: A Technique for Evaluation and Decision-Making. *Knowledge and Process Management*, **2014**, 21, 42-53 | 1.8 | 1 |
| 29 | Sensitivity analysis for comparison, validation and physical legitimacy of neural network-based hydrological models. *Journal of Hydroinformatics*, **2014**, 16, 407-424 | 2.6 | 12 |
| 28 | The Statistical DownScaling Model - Decision Centric (SDSM-DC): conceptual basis and applications. *Climate Research*, **2014**, 61, 259-276 | 1.6 | 91 |
| 27 | Effectiveness of a case-based system in lesson planning. *Journal of Computer Assisted Learning*, **2014**, 30, 408-424 | 3.8 | 2 |
| 26 | The Statistical DownScaling Model: insights from one decade of application. *International Journal of Climatology*, **2013**, 33, 1707-1719 | 3.5 | 183 |
| 25 | 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 |
| 24 | The need for operational reasoning in data-driven rating curve prediction of suspended sediment. *Hydrological Processes*, **2012**, 26, 3982-4000 | 3.3 | 7 |
| 23 | 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 |
| 22 | Ideal point error for model assessment in data-driven river flow forecasting. *Hydrology and Earth System Sciences*, **2012**, 16, 3049-3060 | 5.5 | 13 |
| 21 | DAMP: A protocol for contextualising goodness-of-fit statistics in sediment-discharge data-driven modelling. *Journal of Hydrology*, **2011**, 409, 596-611 | 6 | 10 |
| 20 | Artefact generation in second life with case-based reasoning. *Software Quality Journal*, **2011**, 19, 431-446 | 1.2 | 2 |
| 19 | Mimicking player strategies in fighting games **2011**, | | 5 |
| 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 | Discussion of Evapotranspiration modelling using support vector machines View all notes. *Hydrological Sciences Journal*, **2010**, 55, 1442-1450 | 3.5 | 8 |
| 16 | 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 |

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|---|---|---|---|
| 15 | NEARLY TWO DECADES OF NEURAL NETWORK HYDROLOGIC MODELING **2010**, 267-346 | | 13 |
| 14 | Cartoons beyond clipart: A computer tool for storyboarding and storywriting. *Computers and Education*, **2009**, 52, 188-200 | 9.5 | 3 |
| 13 | The effect of a computer-based cartooning tool on children's cartoons and written stories. *Computers and Education*, **2008**, 51, 900-925 | 9.5 | 9 |
| 12 | 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 |
| 11 | 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 |
| 10 | Flood estimation at ungauged sites using artificial neural networks. *Journal of Hydrology*, **2006**, 319, 391-409 | | 167 |
| 9 | Symbiotic adaptive neuro-evolution applied to rainfall-runoff modelling in northern England. *Neural Networks*, **2006**, 19, 236-47 | 9.1 | 35 |
| 8 | Neural network and GA approaches for dwelling fire occurrence prediction. *Knowledge-Based Systems*, **2006**, 19, 213-219 | 7.3 | 33 |
| 7 | A review of genetic algorithms applied to training radial basis function networks. *Neural Computing and Applications*, **2004**, 13, 193-201 | 4.8 | 89 |
| 6 | Single Network Modelling Solutions **2004**, 39-59 | | 1 |
| 5 | Detection of conceptual model rainfall-runoff processes inside an artificial neural network. *Hydrological Sciences Journal*, **2003**, 48, 163-181 | 3.5 | 155 |
| 4 | Hydrological modelling using artificial neural networks. *Progress in Physical Geography*, **2001**, 25, 80-108 | 3.5 | 81 |
| 3 | Inductive learning approaches to rainfall-runoff modelling. *International Journal of Neural Systems*, **2000**, 10, 43-57 | 6.2 | 12 |
| 2 | An artificial neural network approach to rainfall-runoff modelling. *Hydrological Sciences Journal*, **1998**, 43, 47-66 | 3.5 | 454 |
| 1 | Generalised activity-on-the-node networks for managing uncertainty in projects. *International Journal of Project Management*, **1995**, 13, 353-362 | 7.6 | 11 |