# A J Jakeman

## List of Publications by Year
in descending order

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|---|---|---|---|
| **26**<br>papers | **1,797**<br>citations | 567281<br>**15**<br>h-index | 677142<br>**22**<br>g-index |
| **26**<br>all docs | **26**<br>docs citations | **26**<br>times ranked | **1763**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | How much complexity is warranted in a rainfall-runoff model?. Water Resources Research, 1993, 29, 2637-2649. | 4.2 | 896 |
| 2 | Performance of conceptual rainfall-runoff models in low-yielding ephemeral catchments. Water Resources Research, 1997, 33, 153-166. | 4.2 | 218 |
| 3 | Climate Change Impacts on Urban Flooding. Climatic Change, 2000, 47, 91-115. | 3.6 | 126 |
| 4 | A review of nitrogen and phosphorus export to waterways: context for catchment modelling. Marine and Freshwater Research, 2006, 57, 757. | 1.3 | 94 |
| 5 | Model development for integrated assessment of water allocation options. Water Resources Research, 2004, 40, . | 4.2 | 54 |
| 6 | Modeling Water Quality in Watersheds: From Here to the Next Generation. Water Resources Research, 2020, 56, e2020WR027721. | 4.2 | 54 |
| 7 | Abel type integral equations in stereology: I. General discussion. Journal of Microscopy, 1975, 105, 121-133. | 1.8 | 50 |
| 8 | Abel type integral equations in stereology. II. Computational methods of solution and the random spheres approximation. Journal of Microscopy, 1975, 105, 135-153. | 1.8 | 50 |
| 9 | Predictions in catchment hydrology: an Australian perspective. Marine and Freshwater Research, 2001, 52, 65. | 1.3 | 38 |
| 10 | Estimation of possible climate change impacts on water availability, extreme flow events and soil moisture in the Goulburn and Ovens Basins, Victoria. Climatic Change, 1996, 34, 513-546. | 3.6 | 37 |
| 11 | The role of ?top-down? modelling for Prediction in Ungauged Basins (PUB). Hydrological Processes, 2003, 17, 1673-1679. | 2.6 | 31 |
| 12 | On the decoupling of system and noise model parameter estimation in time-series analysis. International Journal of Control, 1981, 34, 423-431. | 1.9 | 23 |
| 13 | MODELLING RAINFALL-RUNOFF FROM LARGE CATCHMENT TO BASIN SCALE: THE GOULBURN VALLEY, VICTORIA. Hydrological Processes, 1996, 10, 863-876. | 2.6 | 23 |
| 14 | Methods for the analysis of trends in streamflow response due to changes in catchment condition. Environmetrics, 2001, 12, 613-630. | 1.4 | 20 |
| 15 | Bayesian inference of uncertainties in precipitationâ€streamflow modeling in a snow affected catchment. Water Resources Research, 2012, 48, . | 4.2 | 17 |
| 16 | Use of the IHACRES rainfall-runoff model in arid and semi-arid regions. , 2007, , 41-48. | | 15 |
| 17 | Solute Transport in a Streamâ€aquifer system: 2. Application of model identification to the River Murray. Water Resources Research, 1989, 25, 2177-2185. | 4.2 | 14 |
| 18 | Solute transport in a streamâ€aquifer system: 1. Derivation of a dynamic model. Water Resources Research, 1989, 25, 2171-2176. | 4.2 | 12 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | System identification and validation for output prediction of a dynamic hydrologic process. Journal of Forecasting, 1991, 10, 319-346. | 2.8 | 7 |
| 20 | Systems Identification and Estimation for Convolution Integral Equations. , 1980, , 235-255. | | 7 |
| 21 | A simulation approach to assess air pollution from road transport. IEEE Transactions on Systems, Man, and Cybernetics, 1984, SMC-14, 726-736. | 0.9 | 4 |
| 22 | Reply [to â€œComment on â€˜How much complexity is warranted in a rainfall-runoff model?â€™â€ by A. J. Jakeman and G. M. Hornbergerâ€]. Water Resources Research, 1994, 30, 3567-3567. | 4.2 | 4 |
| 23 | The performance of different loss models in the simulation of streamflow. Environmetrics, 1995, 6, 479-484. | 1.4 | 2 |
| 24 | An Overview of Methods to Identify and Manage Uncertainty for Modelling Problems in the Waterâ€"Environmentâ€"Agriculture Cross-Sector. Mathematics for Industry, 2018, , 147-171. | 0.4 | 1 |
| 25 | Risk assessment for atmospheric environmental management: a case study in the Hunter Region of New South Wales, Australia. Environmental Management, 1985, 9, 217-230. | 2.7 | 0 |
| 26 | The disaggregation of monthly streamflow for ungauged sub-catchments of a gauged irrigated catchment in northern Thailand. , 2005, , 742-755. | | 0 |