

David J Mcinerney

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,319
citations

394421

19
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1781
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Robust Climate Policies Under Uncertainty: A Comparison of Robust Decision Making and Infoâ€™Gap Methods. Risk Analysis, 2012, 32, 1657-1672. | 2.7 | 221 |
| 2 | Comparison of joint versus postprocessor approaches for hydrological uncertainty estimation accounting for error autocorrelation and heteroscedasticity. Water Resources Research, 2014, 50, 2350-2375. | 4.2 | 130 |
| 3 | Strengths and limitations of zircon Lu-Hf and O isotopes in modelling crustal growth. Lithos, 2016, 248-251, 175-192. | 1.4 | 110 |
| 4 | What are robust strategies in the face of uncertain climate threshold responses?. Climatic Change, 2012, 112, 547-568. | 3.6 | 104 |
| 5 | Improving probabilistic prediction of daily streamflow by identifying <sc>P</sc>areto optimal approaches for modeling heteroscedastic residual errors. Water Resources Research, 2017, 53, 2199-2239. | 4.2 | 101 |
| 6 | Statistical Emulation of Climate Model Projections Based on Precomputed GCM Runs*. Journal of Climate, 2014, 27, 1829-1844. | 3.2 | 90 |
| 7 | Evaluating the utility of dynamical downscaling in agricultural impacts projections. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8776-8781. | 7.1 | 68 |
| 8 | Estimating changes in temperature extremes from millennial-scale climate simulations using generalized extreme value (GEV) distributions. Advances in Statistical Climatology, Meteorology and Oceanography, 2016, 2, 79-103. | 0.9 | 53 |
| 9 | A reactive-transport model for examining tectonic and climatic controls on chemical weathering and atmospheric CO2 consumption in granitic regolith. Chemical Geology, 2014, 365, 30-42. | 3.3 | 52 |
| 10 | Economically optimal risk reduction strategies in the face of uncertain climate thresholds. Climatic Change, 2008, 91, 29-41. | 3.6 | 44 |
| 11 | Carbon dioxide sequestration: how much and when?. Climatic Change, 2008, 88, 267-291. | 3.6 | 39 |
| 12 | The dynamics of learning about a climate threshold. Climate Dynamics, 2008, 30, 321-332. | 3.8 | 37 |
| 13 | Evaluating post-processing approaches for monthly and seasonal streamflow forecasts. Hydrology and Earth System Sciences, 2018, 22, 6257-6278. | 4.9 | 34 |
| 14 | State updating and calibration period selection to improve dynamic monthly streamflow forecasts for an environmental flow management application. Hydrology and Earth System Sciences, 2018, 22, 871-887. | 4.9 | 30 |
| 15 | Crustal thickening and clay: Controls on O isotope variation in global magmatism and siliciclastic sedimentary rocks. Earth and Planetary Science Letters, 2015, 412, 70-76. | 4.4 | 28 |
| 16 | A simplified approach to produce probabilistic hydrological model predictions. Environmental Modelling and Software, 2018, 109, 306-314. | 4.5 | 25 |
| 17 | Optimization of an Observing System Design for the North Atlantic Meridional Overturning Circulation. Journal of Atmospheric and Oceanic Technology, 2008, 25, 625-634. | 1.3 | 22 |
| 18 | The Importance of Spatiotemporal Variability in Irrigation Inputs for Hydrological Modeling of Irrigated Catchments. Water Resources Research, 2018, 54, 6792-6821. | 4.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Multi-temporal Hydrological Residual Error Modeling for Seamless Subseasonal Streamflow Forecasting. <i>Water Resources Research</i> , 2020, 56, e2019WR026979. | 4.2 | 21 |
| 20 | Temperatures in transient climates: Improved methods for simulations with evolving temporal covariances. <i>Annals of Applied Statistics</i> , 2016, 10, . | 1.1 | 16 |
| 21 | Benefits of Explicit Treatment of Zero Flows in Probabilistic Hydrological Modeling of Ephemeral Catchments. <i>Water Resources Research</i> , 2019, 55, 11035-11060. | 4.2 | 13 |
| 22 | A robust approach for calibrating a daily rainfall-runoff model to monthly streamflow data. <i>Journal of Hydrology</i> , 2020, 591, 125129. | 5.4 | 12 |
| 23 | Achieving high-quality probabilistic predictions from hydrological models calibrated with a wide range of objective functions. <i>Journal of Hydrology</i> , 2021, 603, 126578. | 5.4 | 9 |
| 24 | A hybrid framework for quantifying the influence of data in hydrological model calibration. <i>Journal of Hydrology</i> , 2018, 561, 211-222. | 5.4 | 7 |
| 25 | Improving the Reliability of Sub-seasonal Forecasts of High and Low Flows by Using a Flow-dependent Nonparametric Model. <i>Water Resources Research</i> , 2021, 57, e2020WR029317. | 4.2 | 7 |
| 26 | A generalised approach for identifying influential data in hydrological modelling. <i>Environmental Modelling and Software</i> , 2019, 111, 231-247. | 4.5 | 5 |
| 27 | Changes in Future Precipitation Mean and Variability across Scales. <i>Journal of Climate</i> , 2021, 34, 2741-2758. | 3.2 | 5 |
| 28 | Predicting wildfire induced changes to runoff: A review and synthesis of modeling approaches. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, . | 6.5 | 5 |
| 29 | A spatial-dependent model for climate emulation. <i>Environmetrics</i> , 2016, 27, 396-408. | 1.4 | 4 |
| 30 | A Hidden Climate Indices Modeling Framework for Multivariable Space-Time Data. <i>Water Resources Research</i> , 2022, 58, . | 4.2 | 4 |
| 31 | A second-order analytic solution for oscillatory wind-induced flow in an idealized shallow lake. <i>Computers and Fluids</i> , 2010, 39, 1500-1509. | 2.5 | 2 |