Jeremy T White

List of Publications by Year
in descending order

27 papers	912 citations	759055 12 h-index	552653 26 g-index
42 all docs	42 docs citations	42 times ranked	749 citing authors

#	Article	IF	Citations
1	Riskâ€Based Wellhead Protection Decision Support: A Repeatable Workflow Approach. Ground Water, 2022, 60, 71-86.	0.7	10
2	A model-independent tool for evolutionary constrained multi-objective optimization under uncertainty. Environmental Modelling and Software, 2022, 149, 105316.	1.9	7
3	A scalable model-independent iterative data assimilation tool for sequential and batch estimation of high dimensional model parameters and states. Environmental Modelling and Software, 2022, 150, 105284.	1.9	1
4	Uncertainty Quantification of Eruption Source Parameters Estimated From Tephra Fall Deposits. Geophysical Research Letters, 2022, 49, .	1.5	10
5	Extending the Capture Map Concept to Estimate Discrete and Riskâ€Based Streamflow Depletion Potential. Ground Water, 2021, 59, 571-580.	0.7	2
6	Towards improved environmental modeling outcomes: Enabling low-cost access to high-dimensional, geostatistical-based decision-support analyses. Environmental Modelling and Software, 2021, 139, 105022.	1.9	16
7	Riskâ€Based Decisionâ€Support Groundwater Modeling for the Lower San Antonio River Basin, Texas, USA. Ground Water, 2021, 59, 581-596.	0.7	9
8	Evaluating Lower Computational Burden Approaches for Calibration of Large Environmental Models. Ground Water, 2021, 59, 788-798.	0.7	9
9	Integrated Hydrology and Operations Modeling to Evaluate Climate Change Impacts in an Agricultural Valley Irrigated With Snowmelt Runoff. Water Resources Research, 2021, 57, e2020WR027924.	1.7	10
10	Consequences of Groundwaterâ€Model Vertical Discretization in Riskâ€Based Decisionâ€Making. Ground Water, 2020, 58, 695-709.	0.7	11
11	Revisiting â€œAn Exercise in Groundwater Model Calibration and Predictionâ€•After 30 Years: Insights and New Directions. Ground Water, 2020, 58, 168-182.	0.7	20
12	A non-intrusive approach for efficient stochastic emulation and optimization of model-based nitrate-loading management decision support. Environmental Modelling and Software, 2020, 126, 104657.	1.9	9
13	On the assimilation of environmental tracer observations for model-based decision support. Hydrology and Earth System Sciences, 2020, 24, 1677-1689.	1.9	33
14	Toward Reproducible Environmental Modeling for Decision Support: A Worked Example. Frontiers in Earth Science, 2020, 8, .	0.8	22
15	Disentangling environmental and economic contributions to hydro-economic model output uncertainty: An example in the context of land-use change impact assessment. Environmental Modelling and Software, 2020, 127, 104653.	1.9	11
16	Role of model parameterization in risk-based decision support: An empirical exploration. Advances in Water Resources, 2019, 128, 59-73.	1.7	48
17	Groundwater Modeling with Nonlinear Uncertainty Analyses to Enhance Remediation Design Confidence. Ground Water, 2018, 56, 562-570.	0.7	2
18	A tool for efficient, model-independent management optimization under uncertainty. Environmental Modelling and Software, 2018, 100, 213-221.	1.9	22

#	Article	IF	Citations
19	A model-independent iterative ensemble smoother for efficient history-matching and uncertainty quantification in very high dimensions. Environmental Modelling and Software, 2018, 109, 191-201.	1.9	91
20	Efficient inversion and uncertainty quantification of a tephra fallout model. Journal of Geophysical Research: Solid Earth, 2017, 122, 281-294.	1.4	23
21	Forecast First: An Argument for Groundwater Modeling in Reverse. Ground Water, 2017, 55, 660-664.	0.7	33
22	A Geophysical Model for the Origin of Volcano Vent Clusters in a Colorado Plateau Volcanic Field. Journal of Geophysical Research: Solid Earth, 2017, 122, 8910-8924.	1.4	13
23	The importance of parameterization when simulating the hydrologic response of vegetative land-cover change. Hydrology and Earth System Sciences, 2017, 21, 3975-3989.	1.9	10
24	A python framework for environmental model uncertainty analysis. Environmental Modelling and Software, 2016, 85, 217-228.	1.9	80
25	Scripting <scp>MODFLOW</scp> Model Development Using Python and <scp>FloPy</scp>. Ground Water, 2016, 54, 733-739.	0.7	227
26	Coupling geophysical investigation with hydrothermal modeling to constrain the enthalpy classification of a potential geothermal resource. Journal of Volcanology and Geothermal Research, 2015, 298, 59-70.	0.8	6
27	Quantifying the predictive consequences of model error with linear subspace analysis. Water Resources Research, 2014, 50, 1152-1173.	1.7	76