

Jeremy T White

List of Publications by Year in descending order

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Version: 2024-02-01

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	Scripting <scp>MODFLOW</scp> Model Development Using Python and <scp>FloPy</scp>. Ground Water, 2016, 54, 733-739.	0.7	227
2	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
3	A python framework for environmental model uncertainty analysis. Environmental Modelling and Software, 2016, 85, 217-228.	1.9	80
4	Quantifying the predictive consequences of model error with linear subspace analysis. Water Resources Research, 2014, 50, 1152-1173.	1.7	76
5	Role of model parameterization in risk-based decision support: An empirical exploration. Advances in Water Resources, 2019, 128, 59-73.	1.7	48
6	Forecast First: An Argument for Groundwater Modeling in Reverse. Ground Water, 2017, 55, 660-664.	0.7	33
7	On the assimilation of environmental tracer observations for model-based decision support. Hydrology and Earth System Sciences, 2020, 24, 1677-1689.	1.9	33
8	Efficient inversion and uncertainty quantification of a tephra fallout model. Journal of Geophysical Research: Solid Earth, 2017, 122, 281-294.	1.4	23
9	A tool for efficient, model-independent management optimization under uncertainty. Environmental Modelling and Software, 2018, 100, 213-221.	1.9	22
10	Toward Reproducible Environmental Modeling for Decision Support: A Worked Example. Frontiers in Earth Science, 2020, 8, .	0.8	22
11	Revisiting "An Exercise in Groundwater Model Calibration and Prediction" After 30 Years: Insights and New Directions. Ground Water, 2020, 58, 168-182.	0.7	20
12	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
13	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
14	Consequences of Groundwater Model Vertical Discretization in Risk-Based Decision-Making. Ground Water, 2020, 58, 695-709.	0.7	11
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	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
17	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
18	Risk-Based Wellhead Protection Decision Support: A Repeatable Workflow Approach. Ground Water, 2022, 60, 71-86.	0.7	10

#	ARTICLE	IF	CITATIONS
19	Uncertainty Quantification of Eruption Source Parameters Estimated From Tephra Fall Deposits. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
20	A non-intrusive approach for efficient stochastic emulation and optimization of model-based nitrate-loading management decision support. <i>Environmental Modelling and Software</i> , 2020, 126, 104657.	1.9	9
21	Risk-Based Decision-Support Groundwater Modeling for the Lower San Antonio River Basin, Texas, USA. <i>Ground Water</i> , 2021, 59, 581-596.	0.7	9
22	Evaluating Lower Computational Burden Approaches for Calibration of Large Environmental Models. <i>Ground Water</i> , 2021, 59, 788-798.	0.7	9
23	A model-independent tool for evolutionary constrained multi-objective optimization under uncertainty. <i>Environmental Modelling and Software</i> , 2022, 149, 105316.	1.9	7
24	Coupling geophysical investigation with hydrothermal modeling to constrain the enthalpy classification of a potential geothermal resource. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 298, 59-70.	0.8	6
25	Groundwater Modeling with Nonlinear Uncertainty Analyses to Enhance Remediation Design Confidence. <i>Ground Water</i> , 2018, 56, 562-570.	0.7	2
26	Extending the Capture Map Concept to Estimate Discrete and Risk-Based Streamflow Depletion Potential. <i>Ground Water</i> , 2021, 59, 571-580.	0.7	2
27	A scalable model-independent iterative data assimilation tool for sequential and batch estimation of high dimensional model parameters and states. <i>Environmental Modelling and Software</i> , 2022, 150, 105284.	1.9	1