

Anneli Guthke

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

564
citations

840776

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h-index

888059

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g-index

26
all docs

26
docs citations

26
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis of Model Errors With a Sliding Time-Window Bayesian Analysis. <i>Water Resources Research</i> , 2022, 58, .	4.2	7
2	Overcoming the Model-Data-Fit Problem in Porous Media: A Quantitative Method to Compare Invasion-Percolation Models to High-Resolution Data. <i>Water Resources Research</i> , 2021, 57, e2021WR029986.	4.2	2
3	The Four Ways to Consider Measurement Noise in Bayesian Model Selection – And Which One to Choose. <i>Water Resources Research</i> , 2021, 57, e2021WR030391.	4.2	3
4	Strategies for Simplifying Reactive Transport Models: A Bayesian Model Comparison. <i>Water Resources Research</i> , 2020, 56, e2020WR028100.	4.2	3
5	Bayesian Model Weighting: The Many Faces of Model Averaging. <i>Water (Switzerland)</i> , 2020, 12, 309.	2.7	5
6	The hydrologist's guide to Bayesian model selection, averaging and combination. <i>Journal of Hydrology</i> , 2019, 572, 96-107.	5.4	49
7	The comprehensive differential split-sample test: A stress-test for hydrological model robustness under climate variability. <i>Journal of Hydrology</i> , 2019, 573, 501-515.	5.4	40
8	A Maximum-Entropy Method to Estimate Discrete Distributions from Samples Ensuring Nonzero Probabilities. <i>Entropy</i> , 2018, 20, 601.	2.2	6
9	Bayesian selection of hydro-morphodynamic models under computational time constraints. <i>Advances in Water Resources</i> , 2018, 117, 53-64.	3.8	14
10	Defensible Model Complexity: A Call for Data-Based and Goal-Oriented Model Choice. <i>Ground Water</i> , 2017, 55, 646-650.	1.3	35
11	Entropy-Based Experimental Design for Optimal Model Discrimination in the Geosciences. <i>Entropy</i> , 2016, 18, 409.	2.2	27
12	Bayesian Model Selection Helps To Choose Objectively between Thermodynamic Models: A Demonstration of Selecting a Viscosity Model Based on Entropy Scaling. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10191-10207.	3.7	14
13	A statistical concept to assess the uncertainty in Bayesian model weights and its impact on model ranking. <i>Water Resources Research</i> , 2015, 51, 7524-7546.	4.2	30
14	Bayesian model averaging to explore the worth of data for soil-plant model selection and prediction. <i>Water Resources Research</i> , 2015, 51, 2825-2846.	4.2	43
15	Finding the right balance between groundwater model complexity and experimental effort via Bayesian model selection. <i>Journal of Hydrology</i> , 2015, 531, 96-110.	5.4	41
16	Model selection on solid ground: Rigorous comparison of nine ways to evaluate Bayesian model evidence. <i>Water Resources Research</i> , 2014, 50, 9484-9513.	4.2	107
17	Parameter estimation by ensemble Kalman filters with transformed data: Approach and application to hydraulic tomography. <i>Water Resources Research</i> , 2012, 48, .	4.2	136
18	Diagnosing similarities in probabilistic multi-model ensembles: an application to soil-plant-growth-modeling. <i>Modeling Earth Systems and Environment</i> , 0, .	3.4	2