Laosheng Wu

List of Publications by Year
in descending order

14 papers	602 citations	759233 12 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	420 citing authors

#	Article	IF	Citations
1	An adaptive Gaussian process–based method for efficient Bayesian experimental design in groundwater contaminant source identification problems. Water Resources Research, 2016, 52, 5971-5984.	4.2	96
2	Efficient Bayesian experimental design for contaminant source identification. Water Resources Research, 2015, 51, 576-598.	4.2	92
3	A sparse grid based Bayesian method for contaminant source identification. Advances in Water Resources, 2012, 37, 1-9.	3.8	81
4	An Iterative Local Updating Ensemble Smoother for Estimation and Uncertainty Assessment of Hydrologic Model Parameters With Multimodal Distributions. Water Resources Research, 2018, 54, 1716-1733.	4.2	50
5	Assessing salinity leaching efficiency in three soils by the HYDRUS-1D and -2D simulations. Soil and Tillage Research, 2019, 194, 104342.	5.6	50
6	An adaptive Gaussian process-based iterative ensemble smoother for data assimilation. Advances in Water Resources, 2018, 115, 125-135.	3.8	46
7	Inverse Modeling of Hydrologic Systems with Adaptive Multifidelity Markov Chain Monte Carlo Simulations. Water Resources Research, 2018, 54, 4867-4886.	4.2	43
8	Improving Simulation Efficiency of MCMC for Inverse Modeling of Hydrologic Systems With a Kalman–Inspired Proposal Distribution. Water Resources Research, 2020, 56, e2019WR025474.	4.2	33
9	Surrogate–Based Bayesian Inverse Modeling of the Hydrological System: An Adaptive Approach Considering Surrogate Approximation Error. Water Resources Research, 2020, 56, e2019WR025721.	4.2	25
10	Efficient evaluation of small failure probability in high–dimensional groundwater contaminant transport modeling via a two–stage <scp>M</scp>onte <scp>C</scp>arlo method. Water Resources Research, 2017, 53, 1948-1962.	4.2	24
11	Using Deep Learning to Improve Ensemble Smoother: Applications to Subsurface Characterization. Water Resources Research, 2020, 56, e2020WR027399.	4.2	24
12	Adaptive Multifidelity Data Assimilation for Nonlinear Subsurface Flow Problems. Water Resources Research, 2019, 55, 203-217.	4.2	23
13	SALEACH: A new web-based soil salinity leaching model for improved irrigation management. Agricultural Water Management, 2021, 252, 106905.	5.6	10
14	Adaptive multi-fidelity probabilistic collocation-based Kalman filter for subsurface flow data assimilation: numerical modeling and real-world experiment. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1135-1146.	4.0	5