

Weixuan Li

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | An adaptive Gaussian processâ€based method for efficient Bayesian experimental design in groundwater contaminant source identification problems. <i>Water Resources Research</i> , 2016, 52, 5971-5984. | 4.2 | 96 |
| 2 | Stochastic analysis of unsaturated flow with probabilistic collocation method. <i>Water Resources Research</i> , 2009, 45, . | 4.2 | 60 |
| 3 | An Iterative Local Updating Ensemble Smoother for Estimation and Uncertainty Assessment of Hydrologic Model Parameters With Multimodal Distributions. <i>Water Resources Research</i> , 2018, 54, 1716-1733. | 4.2 | 50 |
| 4 | Inverse regression-based uncertainty quantification algorithms for high-dimensional models: Theory and practice. <i>Journal of Computational Physics</i> , 2016, 321, 259-278. | 3.8 | 40 |
| 5 | An adaptive ANOVA-based PCKF for high-dimensional nonlinear inverse modeling. <i>Journal of Computational Physics</i> , 2014, 258, 752-772. | 3.8 | 25 |
| 6 | Efficient evaluation of small failure probability in highâ€dimensional groundwater contaminant transport modeling via a twoâ€stage Monte Carlo method. <i>Water Resources Research</i> , 2017, 53, 1948-1962. | 4.2 | 24 |
| 7 | Data assimilation for unsaturated flow models with restart adaptive probabilistic collocation based Kalman filter. <i>Advances in Water Resources</i> , 2016, 92, 258-270. | 3.8 | 21 |
| 8 | An adaptive importance sampling algorithm for Bayesian inversion with multimodal distributions. <i>Journal of Computational Physics</i> , 2015, 294, 173-190. | 3.8 | 20 |
| 9 | Sequential ensemble-based optimal design for parameter estimation. <i>Water Resources Research</i> , 2016, 52, 7577-7592. | 4.2 | 14 |
| 10 | Sliced-Inverse-Regression--Aided Rotated Compressive Sensing Method for Uncertainty Quantification. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2018, 6, 1532-1554. | 2.0 | 4 |
| 11 | Ensemble-based uncertainty quantification for coordination and control of thermostatically controlled loads. <i>Journal of Control and Decision</i> , 2018, 5, 148-168. | 1.6 | 1 |