# Wolfgang Nowak

List of Publications by Year
in descending order



| 133 | 4,526 | 94269 37 | 118652 62 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 156 | 156 | 156 | 4242 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modeling Soil Processes: Review, Key Challenges, and New Perspectives. Vadose Zone Journal, 2016, 15, 1-57. | 1.3 | 445 |
| 2 | Data-driven uncertainty quantification using the arbitrary polynomial chaos expansion. Reliability Engineering and System Safety, 2012, 106, 179-190. | 5.1 | 324 |
| 3 | Parameter estimation by ensemble Kalman filters with transformed data: Approach and application to hydraulic tomography. Water Resources Research, 2012, 48, . | 1.7 | 136 |
| 4 | How much electrical energy storage do we need? A synthesis for the U.S., Europe, and Germany. Journal of Cleaner Production, 2018, 181, 449-459. | 4.6 | 130 |
| 5 | Challenges and trends of energy storage expansion planning for flexibility provision in low-carbon power systems â€“ a review. Renewable and Sustainable Energy Reviews, 2017, 80, 603-619. | 8.2 | 109 |
| 6 | Model selection on solid ground: Rigorous comparison of nine ways to evaluate <scp>B</scp>ayesian model evidence. Water Resources Research, 2014, 50, 9484-9513. | 1.7 | 107 |
| 7 | Bayesian geostatistical design: Taskâ€driven optimal site investigation when the geostatistical model is uncertain. Water Resources Research, 2010, 46, . | 1.7 | 103 |
| 8 | Flow topology and scalar mixing in spatially heterogeneous flow fields. Geophysical Research Letters, 2012, 39, . | 1.5 | 100 |
| 9 | A concept for data-driven uncertainty quantification and its application to carbon dioxide storage in geological formations. Advances in Water Resources, 2011, 34, 1508-1518. | 1.7 | 92 |
| 10 | Anthropogenic Trace Compounds (ATCs) in aquatic habitats â€" Research needs on sources, fate, detection and toxicity to ensure timely elimination strategies and risk management. Environment International, 2015, 79, 85-105. | 4.8 | 86 |
| 11 | Best unbiased ensemble linearization and the quasiâ€linear Kalman ensemble generator. Water Resources Research, 2009, 45, . | 1.7 | 84 |
| 12 | Reliability analysis with stratified importance sampling based on adaptive Kriging. Reliability Engineering and System Safety, 2020, 197, 106852. | 5.1 | 82 |
| 13 | Geostatistical inverse modeling of transient pumping tests using temporal moments of drawdown. Water Resources Research, 2005, 41, . | 1.7 | 73 |
| 14 | Title is missing!. Mathematical Geosciences, 2003, 35, 53-66. | 0.9 | 72 |
| 15 | Catchments as reactors: a comprehensive approach for water fluxes and solute turnover. Environmental Earth Sciences, 2013, 69, 317-333. | 1.3 | 71 |
| 16 | A Primer for Model Selection: The Decisive Role of Model Complexity. Water Resources Research, 2018, 54, 1688-1715. | 1.7 | 71 |
| 17 | Floating photovoltaic plants: Ecological impacts versus hydropower operation flexibility. Energy Conversion and Management, 2020, 206, 112414. | 4.4 | 71 |
| 18 | An integrative approach to robust design and probabilistic risk assessment for CO2 storage in geological formations. Computational Geosciences, 2011, 15, 565-577. | 1.2 | 68 |

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|---|---|---|---|
| 19 | A modified Levenbergâ€“Marquardt algorithm for quasi-linear geostatistical inversing. Advances in Water Resources, 2004, 27, 737-750. | 1.7 | 66 |
| 20 | Stochastic fluxâ€related analysis of transverse mixing in twoâ€dimensional heterogeneous porous media. Water Resources Research, 2011, 47, . | 1.7 | 66 |
| 21 | Experiments on vertical transverse mixing in a large-scale heterogeneous model aquifer. Journal of Contaminant Hydrology, 2005, 80, 130-148. | 1.6 | 64 |
| 22 | Bayesian assessment of the expected data impact on prediction confidence in optimal sampling design. Water Resources Research, 2012, 48, . | 1.7 | 64 |
| 23 | Geostatistical inference of hydraulic conductivity and dispersivities from hydraulic heads and tracer data. Water Resources Research, 2006, 42, . | 1.7 | 62 |
| 24 | Uncertainty evaluation of mass discharge estimates from a contaminated site using a fully Bayesian framework. Water Resources Research, 2010, 46, . | 1.7 | 62 |
| 25 | Global sensitivity analysis: A flexible and efficient framework with an example from stochastic hydrogeology. Advances in Water Resources, 2012, 37, 10-22. | 1.7 | 60 |
| 26 | A multi-service approach for planning the optimal mix of energy storage technologies in a fully-renewable power supply. Energy Conversion and Management, 2018, 178, 355-368. | 4.4 | 58 |
| 27 | Flow Radar Glyphsâ€”Static Visualization of Unsteady Flow with Uncertainty. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 1949-1958. | 2.9 | 51 |
| 28 | Impact of sampling volume on the probability density function of steady state concentration. Water Resources Research, 2008, 44, . | 1.7 | 49 |
| 29 | The hydrologistâ€™s guide to Bayesian model selection, averaging and combination. Journal of Hydrology, 2019, 572, 96-107. | 2.3 | 49 |
| 30 | Hybrid green-blue-gray decentralized urban drainage systems design, a simulation-optimization framework. Journal of Environmental Management, 2019, 249, 109364. | 3.8 | 46 |
| 31 | Stochastic evaluation of mixing-controlled steady-state plume lengths in two-dimensional heterogeneous domains. Journal of Contaminant Hydrology, 2012, 138-139, 22-39. | 1.6 | 45 |
| 32 | Probability density functions of hydraulic head and velocity in threeâ€dimensional heterogeneous porous media. Water Resources Research, 2008, 44, . | 1.7 | 44 |
| 33 | A hypothesisâ€driven approach to optimize field campaigns. Water Resources Research, 2012, 48, . | 1.7 | 44 |
| 34 | Application of FFT-based Algorithms for Large-Scale Universal Kriging Problems. Mathematical Geosciences, 2009, 41, 509-533. | 1.4 | 43 |
| 35 | Bayesian model averaging to explore the worth of data for soilâ€plant model selection and prediction. Water Resources Research, 2015, 51, 2825-2846. | 1.7 | 43 |
| 36 | Finding the right balance between groundwater model complexity and experimental effort via Bayesian model selection. Journal of Hydrology, 2015, 531, 96-110. | 2.3 | 41 |

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|---|---|---|---|
| 37 | The comprehensive differential split-sample test: A stress-test for hydrological model robustness under climate variability. Journal of Hydrology, 2019, 573, 501-515. | 2.3 | 40 |
| 38 | On the link between contaminant source release conditions and plume prediction uncertainty. Journal of Contaminant Hydrology, 2010, 116, 24-34. | 1.6 | 38 |
| 39 | Geological storage of CO2: Application, feasibility and efficiency of global sensitivity analysis and risk assessment using the arbitrary polynomial chaos. International Journal of Greenhouse Gas Control, 2013, 19, 704-719. | 2.3 | 38 |
| 40 | Bayesian updating via bootstrap filtering combined with data-driven polynomial chaos expansions: methodology and application to history matching for carbon dioxide storage in geological formations. Computational Geosciences, 2013, 17, 671-687. | 1.2 | 36 |
| 41 | Uncertainty and data worth analysis for the hydraulic design of funnel-and-gate systems in heterogeneous aquifers. Water Resources Research, 2004, 40, . | 1.7 | 34 |
| 42 | Temporal moments revisited: Why there is no better way for physically based model reduction in time. Water Resources Research, 2012, 48, . | 1.7 | 34 |
| 43 | Probabilistic exposure risk assessment with advectiveâ€“dispersive well vulnerability criteria. Advances in Water Resources, 2012, 36, 121-132. | 1.7 | 33 |
| 44 | Predicting DNAPL mass discharge and contaminated site longevity probabilities: Conceptual model and highâ€resolution stochastic simulation. Water Resources Research, 2015, 51, 806-831. | 1.7 | 33 |
| 45 | Renewable energy in copper production: A review on systems design and methodological approaches. Journal of Cleaner Production, 2020, 246, 118978. | 4.6 | 33 |
| 46 | Drainage in heterogeneous sand columns with different geometric structures. Advances in Water Resources, 2008, 31, 1205-1220. | 1.7 | 32 |
| 47 | A statistical concept to assess the uncertainty in Bayesian model weights and its impact on model ranking. Water Resources Research, 2015, 51, 7524-7546. | 1.7 | 30 |
| 48 | A divide and conquer approach to cope with uncertainty, human health risk, and decision making in contaminant hydrology. Water Resources Research, 2011, 47, . | 1.7 | 29 |
| 49 | Entropy-Based Experimental Design for Optimal Model Discrimination in the Geosciences. Entropy, 2016, 18, 409. | 1.1 | 27 |
| 50 | Copper mining: 100% solar electricity by 2030?. Applied Energy, 2020, 262, 114506. | 5.1 | 27 |
| 51 | Delineating baseflow contribution areas for streams â€“ A model and methods comparison. Journal of Contaminant Hydrology, 2016, 195, 11-22. | 1.6 | 26 |
| 52 | Multi-objective planning of energy storage technologies for a fully renewable system: Implications for the main stakeholders in Chile. Energy Policy, 2019, 126, 494-506. | 4.2 | 26 |
| 53 | Identification of contaminant source architecturesâ€”A statistical inversion that emulates multiphase physics in a computationally practicable manner. Water Resources Research, 2016, 52, 1009-1025. | 1.7 | 25 |
| 54 | Measures of Parameter Uncertainty in Geostatistical Estimation and Geostatistical Optimal Design. Mathematical Geosciences, 2010, 42, 199-221. | 1.4 | 24 |

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|---|---|---|---|
| 55 | Hanging Gardens Algorithm to Generate Decentralized Layouts for the Optimization of Urban Drainage Systems. Journal of Water Resources Planning and Management - ASCE, 2019, 145, . | 1.3 | 23 |
| 56 | Incomplete statistical information limits the utility of high-order polynomial chaos expansions. Reliability Engineering and System Safety, 2018, 169, 137-148. | 5.1 | 22 |
| 57 | Toward Sustainable Urban Drainage Infrastructure Planning: A Combined Multiobjective Optimization and Multicriteria Decision-Making Platform. Journal of Water Resources Planning and Management - ASCE, 2021, 147, . | 1.3 | 22 |
| 58 | Optimal Design of Multitype Groundwater Monitoring Networks Using Easily Accessible Tools. Ground Water, 2016, 54, 861-870. | 0.7 | 21 |
| 59 | Comparison of data-driven uncertainty quantification methods for a carbon dioxide storage benchmark scenario. Computational Geosciences, 2019, 23, 339-354. | 1.2 | 21 |
| 60 | A new solution to mitigate hydropeaking? Batteries versus re-regulation reservoirs. Journal of Cleaner Production, 2019, 210, 477-489. | 4.6 | 21 |
| 61 | First-order variance of travel time in nonstationary formations. Water Resources Research, 2004, 40, . | 1.7 | 20 |
| 62 | Kriging and Spatial Design Accelerated by Orders of Magnitude: Combining Low-Rank Covariance Approximations with FFT-Techniques. Mathematical Geosciences, 2013, 45, 411-435. | 1.4 | 20 |
| 63 | Chaos Expansion based Bootstrap Filter to Calibrate CO2 Injection Models. Energy Procedia, 2013, 40, 398-407. | 1.8 | 20 |
| 64 | Probability density function of steady state concentration in twoâ€dimensional heterogeneous porous media. Water Resources Research, 2011, 47, . | 1.7 | 19 |
| 65 | Towards optimal allocation of computer resources: Trade-offs between uncertainty quantification, discretization and model reduction. Environmental Modelling and Software, 2013, 50, 97-107. | 1.9 | 19 |
| 66 | Application of Bayesian geostatistics for evaluation of mass discharge uncertainty at contaminated sites. Water Resources Research, 2012, 48, . | 1.7 | 18 |
| 67 | Explicit treatment for Dirichlet, Neumann and Cauchy boundary conditions in POD-based reduction of groundwater models. Advances in Water Resources, 2018, 115, 160-171. | 1.7 | 18 |
| 68 | Estimation of small failure probabilities based on thermodynamic integration and parallel tempering. Mechanical Systems and Signal Processing, 2019, 133, 106248. | 4.4 | 18 |
| 69 | Bayesian Calibration and Validation of a Largeâ€Scale and Timeâ€Demanding Sediment Transport Model. Water Resources Research, 2020, 56, e2019WR026966. | 1.7 | 18 |
| 70 | AN OPTIMAL SAMPLING RULE FOR NONINTRUSIVE POLYNOMIAL CHAOS EXPANSIONS OF EXPENSIVE MODELS. , 2015, 5, 275-295. | | 17 |
| 71 | Nine Steps to Riskâ€Informed Wellhead Protection and Management: A Case Study. Ground Water, 2014, 52, 161-174. | 0.7 | 16 |
| 72 | Interactive design of experiments: A priori global versus sequential optimization, revised under changing states of knowledge. Water Resources Research, 2015, 51, 7915-7936. | 1.7 | 15 |

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| 73 | Studying the integration of solar energy into the operation of a semi-autogenous grinding mill. Part II: Effect of ore hardness variability, geometallurgical modeling and demand side management. Minerals Engineering, 2019, 137, 53-67. | 1.8 | 15 |
| 74 | Bayesian3 Active Learning for the Gaussian Process Emulator Using Information Theory. Entropy, 2020, 22, 890. | 1.1 | 15 |
| 75 | A method for implementing Dirichlet and third-type boundary conditions in PTRW simulations. Water Resources Research, 2014, 50, 1374-1395. | 1.7 | 14 |
| 76 | Bayesian Model Selection Helps To Choose Objectively between Thermodynamic Models: A Demonstration of Selecting a Viscosity Model Based on Entropy Scaling. Industrial & Engineering Chemistry Research, 2016, 55, 10191-10207. | 1.8 | 14 |
| 77 | Bayesian selection of hydro-morphodynamic models under computational time constraints. Advances in Water Resources, 2018, 117, 53-64. | 1.7 | 14 |
| 78 | Sensitivity of Simulated Hyporheic Exchange to River Bathymetry: The Steinlach River Test Site. Ground Water, 2019, 57, 378-391. | 0.7 | 14 |
| 79 | The Connection between Bayesian Inference and Information Theory for Model Selection, Information Gain and Experimental Design. Entropy, 2019, 21, 1081. | 1.1 | 14 |
| 80 | Optimization for Early-Warning Monitoring Networks in Well Catchments Should Be Multi-objective, Risk-Prioritized and Robust Against Uncertainty. Transport in Porous Media, 2016, 114, 261-281. | 1.2 | 13 |
| 81 | STakeholder-Objective Risk Model (STORM): Determining the aggregated risk of multiple contaminant hazards in groundwater well catchments. Advances in Water Resources, 2015, 83, 160-175. | 1.7 | 12 |
| 82 | A stochastically and spatially adaptive parallel scheme for uncertain and nonlinear two-phase flow problems. Computational Geosciences, 2015, 19, 269-284. | 1.2 | 12 |
| 83 | Studying the integration of solar energy into the operation of a semi-autogenous grinding mill. Part I: Framework, model development and effect of solar irradiance forecasting. Minerals Engineering, 2019, 137, 68-77. | 1.8 | 12 |
| 84 | Sequential Design of Computer Experiments for the Solution of Bayesian Inverse Problems. SIAM-ASA Journal on Uncertainty Quantification, 2017, 5, 640-664. | 1.1 | 11 |
| 85 | The Role of Fast Frequency Response of Energy Storage Systems and Renewables for Ensuring Frequency Stability in Future Low-Inertia Power Systems. Sustainability, 2021, 13, 5656. | 1.6 | 11 |
| 86 | Bayesian inversion of hierarchical geostatistical models using a parallel-tempering sequential Gibbs MCMC. Advances in Water Resources, 2020, 141, 103614. | 1.7 | 11 |
| 87 | Dispersion on kriged hydraulic conductivity fields. Water Resources Research, 2003, 39, . | 1.7 | 10 |
| 88 | Integrating Structural Resilience in the Design of Urban Drainage Networks in Flat Areas Using a Simplified Multi-Objective Optimization Framework. Water (Switzerland), 2021, 13, 269. | 1.2 | 10 |
| 89 | Introduction to the special issue on uncertainty quantification and risk assessment. Advances in Water Resources, 2012, 36, 1-2. | 1.7 | 9 |
| 90 | Improving temperature predictions for Li-ion batteries: data assimilation with a stochastic extension of a physically-based, thermo-electrochemical model. Journal of Energy Storage, 2017, 12, 288-296. | 3.9 | 9 |

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|---|---|---|---|
| 91 | Reconnecting Stochastic Methods With Hydrogeological Applications: A Utilitarian Uncertainty Analysis and Risk Assessment Approach for the Design of Optimal Monitoring Networks. Water Resources Research, 2018, 54, 2270-2287. | 1.7 | 9 |
| 92 | Global sensitivity analysis of a CaO/Ca(OH)2 thermochemical energy storage model for parametric effect analysis. Applied Energy, 2021, 285, 116456. | 5.1 | 9 |
| 93 | Bayesian Inversion of Multiâ€Gaussian Logâ€Conductivity Fields With Uncertain Hyperparameters: An Extension of Preconditioned Crankâ€Nicolson Markov Chain Monte Carlo With Parallel Tempering. Water Resources Research, 2021, 57, e2021WR030313. | 1.7 | 9 |
| 94 | Investigating the pilot point ensemble Kalman filter for geostatistical inversion and data assimilation. Advances in Water Resources, 2021, 155, 104010. | 1.7 | 9 |
| 95 | Towards Optimizing Experiments for Maximum-confidence Model Selection between Different Soil-plant Models. Procedia Environmental Sciences, 2013, 19, 514-523. | 1.3 | 8 |
| 96 | Evolution and persistence of cross-directional statistical dependence during finite-PÃ©clet transport through a real porous medium. Water Resources Research, 2016, 52, 8920-8937. | 1.7 | 8 |
| 97 | Search Space Representation and Reduction Methods to Enhance Multiobjective Water Supply Monitoring Design. Water Resources Research, 2019, 55, 2257-2278. | 1.7 | 8 |
| 98 | Efficient Discretizationâ€Independent Bayesian Inversion of Highâ€Dimensional Multiâ€Gaussian Priors Using a Hybrid MCMC. Water Resources Research, 2021, 57, e2021WR030051. | 1.7 | 8 |
| 99 | Integration of seawater pumped storage and desalination in multi-energy systems planning: The case of copper as a key material for the energy transition. Applied Energy, 2021, 299, 117298. | 5.1 | 8 |
| 100 | A Multi-objective Optimization Concept for Risk-based Early-warning Monitoring Networks in Well Catchments. Procedia Environmental Sciences, 2015, 25, 191-198. | 1.3 | 7 |
| 101 | The rocky road to extended simulation frameworks covering uncertainty, inversion, optimization and control. Environmental Modelling and Software, 2017, 93, 180-192. | 1.9 | 7 |
| 102 | Preconditioned Crankâ€Nicolson Markov Chain Monte Carlo Coupled With Parallel Tempering: An Efficient Method for Bayesian Inversion of Multiâ€Gaussian Logâ€Hydraulic Conductivity Fields. Water Resources Research, 2020, 56, e2020WR027110. | 1.7 | 7 |
| 103 | Sampling behavioral model parameters for ensemble-based sensitivity analysis using Gaussian process emulation and active subspaces. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1813-1830. | 1.9 | 7 |
| 104 | Surrogate-based Bayesian comparison of computationally expensive models: application to microbially induced calcite precipitation. Computational Geosciences, 2021, 25, 1899-1917. | 1.2 | 7 |
| 105 | Diagnosis of Model Errors With a Sliding Timeâ€Window Bayesian Analysis. Water Resources Research, 2022, 58, . | 1.7 | 7 |
| 106 | Combining Crop Modeling with Remote Sensing Data Using a Particle Filtering Technique to Produce Real-Time Forecasts of Winter Wheat Yields under Uncertain Boundary Conditions. Remote Sensing, 2022, 14, 1360. | 1.8 | 7 |
| 107 | Should environmental constraints be considered in linear programming based water value calculators?. International Journal of Electrical Power and Energy Systems, 2020, 117, 105662. | 3.3 | 6 |
| 108 | Forward-reverse switch between density-based and regional sensitivity analysis. Applied Mathematical Modelling, 2020, 84, 377-392. | 2.2 | 6 |

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| 109 | Integrating transient behavior as a new dimension to WHPA delineation. Advances in Water Resources, 2018, 119, 178-187. | 1.7 | 5 |
| 110 | Energy storage and transmission systems to save the fish? Minimizing hydropeaking for little extra cost. Sustainable Energy Technologies and Assessments, 2019, 35, 41-47. | 1.7 | 5 |
| 111 | Trajectories as Training Images to Simulate Advectiveâ€Diffusive, Nonâ€Fickian Transport. Water Resources Research, 2019, 55, 3465-3480. | 1.7 | 5 |
| 112 | Evaluating Subsurface Parameterization to Simulate Hyporheic Exchange: The Steinlach River Test Site. Ground Water, 2020, 58, 93-109. | 0.7 | 5 |
| 113 | Improving Thermochemical Energy Storage Dynamics Forecast with Physics-Inspired Neural Network Architecture. Energies, 2020, 13, 3873. | 1.6 | 5 |
| 114 | Bayesian Model Weighting: The Many Faces of Model Averaging. Water (Switzerland), 2020, 12, 309. | 1.2 | 5 |
| 115 | Lumped geohydrological modelling for long-term predictions of groundwater storage and depletion. Journal of Hydrology, 2022, 606, 127347. | 2.3 | 5 |
| 116 | Dynamic re-distribution of pumping rates in well fields to counter transient problems in groundwater production. Groundwater for Sustainable Development, 2019, 8, 606-616. | 2.3 | 4 |
| 117 | Reliability sensitivity analysis with subset simulation: application to a carbon dioxide storage problem. IOP Conference Series: Materials Science and Engineering, 2019, 615, 012051. | 0.3 | 4 |
| 118 | Strategies for Simplifying Reactive Transport Models: A Bayesian Model Comparison. Water Resources Research, 2020, 56, e2020WR028100. | 1.7 | 3 |
| 119 | Characterization of Export Regimes in Concentrationâ€“Discharge Plots via an Advanced Time-Series Model and Event-Based Sampling Strategies. Water (Switzerland), 2021, 13, 1723. | 1.2 | 3 |
| 120 | Resampling method for reliability-based design optimization based on thermodynamic integration and parallel tempering. Mechanical Systems and Signal Processing, 2021, 156, 107630. | 4.4 | 3 |
| 121 | How Do Fractures Influence Hyporheic Exchange in Sedimentary Rock Riverbeds?. Water Resources Research, 2021, 57, e2020WR028476. | 1.7 | 3 |
| 122 | The Four Ways to Consider Measurement Noise in Bayesian Model Selection â€•And Which One to Choose. Water Resources Research, 2021, 57, e2021WR030391. | 1.7 | 3 |
| 123 | Predicting the battery core temperature: Explanatory power of measurement quantities under different uncertainty scenarios. Journal of Energy Storage, 2018, 18, 476-484. | 3.9 | 2 |
| 124 | A Graph-Theory Based Algorithm to Generate Decentralized Urban Drainage Layouts. Green Energy and Technology, 2019, , 633-637. | 0.4 | 2 |
| 125 | Joint Optimization of Measurement and Modeling Strategies With Application to Radial Flow in Stratified Aquifers. Water Resources Research, 2020, 56, e2019WR026872. | 1.7 | 2 |
| 126 | Exploratory-Phase-Free Estimation of GP Hyperparameters in Sequential Design Methodsâ€”At the Example of Bayesian Inverse Problems. Frontiers in Artificial Intelligence, 2020, 3, 52. | 2.0 | 2 |

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| 127 | Overcoming the Modelâ€Dataâ€Fit Problem in Porous Media: A Quantitative Method to Compare Invasionâ€Percolation Models to Highâ€Resolution Data. Water Resources Research, 2021, 57, e2021WR029986. | 1.7 | 2 |
| 128 | A Stochastic Framework to Optimize Monitoring Strategies for Delineating Groundwater Divides. Frontiers in Earth Science, 0, 8, . | 0.8 | 2 |
| 129 | Diagnosing similarities in probabilistic multi-model ensembles: an application to soilâ€“plant-growth-modeling. Modeling Earth Systems and Environment, 0, , . | 1.9 | 2 |
| 130 | Sequential Design of Computer Experiments for the Computation of Bayesian Model Evidence. SIAM-ASA Journal on Uncertainty Quantification, 2021, 9, 260-279. | 1.1 | 1 |
| 131 | Optimal design of experiments to improve the characterisation of atrazine degradation pathways in soil. European Journal of Soil Science, 2022, 73, . | 1.8 | 1 |
| 132 | Optimization-based clustering of random fields for computationally efficient and goal-oriented uncertainty quantification: Concept and demonstration for delineation of wellhead protection areas in transient aquifers. Advances in Water Resources, 2022, 162, 104146. | 1.7 | 1 |
| 133 | Optimal Exposure Time in Gamma-Ray Attenuation Experiments for Monitoring Time-Dependent Densities. Transport in Porous Media, 0, , 1. | 1.2 | 0 |