

Dave Higdon

List of Publications by Year in descending order

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15
papers

1,474
citations

1040056

9
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

1498
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer Model Calibration Using High-Dimensional Output. <i>Journal of the American Statistical Association</i> , 2008, 103, 570-583.	3.1	644
2	Combining Field Data and Computer Simulations for Calibration and Prediction. <i>SIAM Journal of Scientific Computing</i> , 2004, 26, 448-466.	2.8	461
3	Using data-driven agent-based models for forecasting emerging infectious diseases. <i>Epidemics</i> , 2018, 22, 43-49.	3.0	133
4	Combining experimental data and computer simulations, with an application to flyer plate experiments. <i>Bayesian Analysis</i> , 2006, 1, 765.	3.0	66
5	Optimizing spatial allocation of seasonal influenza vaccine under temporal constraints. <i>PLoS Computational Biology</i> , 2019, 15, e1007111.	3.2	44
6	A Bayesian approach for parameter estimation and prediction using a computationally intensive model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2015, 42, 034009.	3.6	36
7	Forecasting influenza activity using machine-learned mobility map. <i>Nature Communications</i> , 2021, 12, 726.	12.8	30
8	Calibrating a Stochastic, Agent-Based Model Using Quantile-Based Emulation. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2018, 6, 1685-1706.	2.0	24
9	Computer Model Calibration Using the Ensemble Kalman Filter. <i>Technometrics</i> , 2013, 55, 488-500.	1.9	20
10	Calibration of tuning parameters in the FRAPCON model. <i>Annals of Nuclear Energy</i> , 2013, 52, 95-102.	1.8	9
11	Gaussian Process-Based Sensitivity Analysis and Bayesian Model Calibration with GPMSA. , 2015, , 1-41.		2
12	Discussion of "Computer Experiments with Qualitative and Quantitative Variables: A Review and Reexamination". <i>Quality Engineering</i> , 2015, 27, 14-16.	1.1	2
13	Comment on article by SansÃ³ et al. [MR2383247]. <i>Bayesian Analysis</i> , 2008, 3, .	3.0	1
14	Comments on: A general science-based framework for dynamical spatio-temporal models. <i>Test</i> , 2010, 19, 462-465.	1.1	1
15	Gaussian Process-Based Sensitivity Analysis and Bayesian Model Calibration with GPMSA. , 2017, , 1867-1907.		1