

Amanda S Hering

List of Publications by Year in descending order

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33
papers

750
citations

840776

11
h-index

526287

27
g-index

33
all docs

33
docs citations

33
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven performance analyses of wastewater treatment plants: A review. <i>Water Research</i> , 2019, 157, 498-513.	11.3	227
2	Powering Up With Space-Time Wind Forecasting. <i>Journal of the American Statistical Association</i> , 2010, 105, 92-104.	3.1	184
3	Modeling spatio-temporal wildfire ignition point patterns. <i>Environmental and Ecological Statistics</i> , 2009, 16, 225-250.	3.5	62
4	Comparing Spatial Predictions. <i>Technometrics</i> , 2011, 53, 414-425.	1.9	44
5	Comparison of linear and nonlinear dimension reduction techniques for automated process monitoring of a decentralized wastewater treatment facility. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1527-1544.	4.0	30
6	Assessing the Performance of Model-Based Clustering Methods in Multivariate Time Series with Application to Identifying Regional Wind Regimes. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2015, 20, 192-217.	1.4	19
7	Hybrid statistical-machine learning ammonia forecasting in continuous activated sludge treatment for improved process control. <i>Journal of Water Process Engineering</i> , 2020, 37, 101389.	5.6	19
8	A Markov-Switching Vector Autoregressive Stochastic Wind Generator for Multiple Spatial and Temporal Scales. <i>Resources</i> , 2015, 4, 70-92.	3.5	18
9	Quantitative assessment of groundwater controls across major US river basins using a multi-model regression algorithm. <i>Advances in Water Resources</i> , 2015, 82, 106-123.	3.8	17
10	Copula-based monitoring schemes for non-Gaussian multivariate processes. <i>Journal of Quality Technology</i> , 2020, 52, 219-234.	2.5	14
11	The role of regimes in short-term wind speed forecasting at multiple wind farms. <i>Stat</i> , 2015, 4, 271-290.	0.4	13
12	Using geochemical indicators to distinguish high biogeochemical activity in floodplain soils and sediments. <i>Science of the Total Environment</i> , 2016, 563-564, 386-395.	8.0	12
13	Characterizing solutions in optimal microgrid procurement and dispatch strategies. <i>Applied Energy</i> , 2017, 201, 1-19.	10.1	11
14	Evaluating the impacts of climate change on diurnal wind power cycles using multiple regional climate models. <i>Environmetrics</i> , 2015, 26, 192-201.	1.4	9
15	Multistate multivariate statistical process control. <i>Applied Stochastic Models in Business and Industry</i> , 2018, 34, 880-892.	1.5	9
16	Fault Isolation for A Complex Decentralized Waste Water Treatment Facility. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2020, 69, 931-951.	1.0	9
17	Statistical Exposure of a Multiple-Compartment Anaerobic Reactor Treating Domestic Wastewater. <i>Water Environment Research</i> , 2018, 90, 530-542.	2.7	8
18	A Bayesian hierarchical model for multiple imputation of urban spatio-temporal groundwater levels. <i>Statistics and Probability Letters</i> , 2019, 144, 44-51.	0.7	8

#	ARTICLE	IF	CITATIONS
19	Evaluating Counterinsurgency Classification Schemes. , 2014, 19, 5-25.		6
20	A comparison of automated statistical quality control methods for error detection in historical radiosonde temperatures. International Journal of Climatology, 2016, 36, 28-42.	3.5	5
21	Space-time outlier identification in a large ground deformation data set. Journal of Quality Technology, 2018, 50, 431-445.	2.5	5
22	Building predictive models of counterinsurgent deaths using robust clustering and regression. Journal of Defense Modeling and Simulation, 2016, 13, 449-465.	1.7	4
23	Robust bivariate error detection in skewed data with application to historical radiosonde winds. Environmetrics, 2017, 28, e2431.	1.4	4
24	Case studies in real-time fault isolation in a decentralized wastewater treatment facility. Journal of Water Process Engineering, 2020, 38, 101556.	5.6	4
25	Mixture of Regression Models for Large Spatial Datasets. Technometrics, 2019, 61, 507-523.	1.9	2
26	Quantifying uncertainty in groundwater depth from sparse well data in the California Central Valley. Environmental Research Letters, 2020, 15, 084029.	5.2	2
27	A permutation test to identify important attributes for linking crimes of serial offenders. Stat, 2013, 2, 211-226.	0.4	1
28	Comments on: Space-time wind speed forecasting for improved power system dispatch. Test, 2014, 23, 34-44.	1.1	1
29	Analysis of Anthropogenic, Climatological, and Morphological Influences on Dissolved Organic Matter in Rocky Mountain Streams. Water (Switzerland), 2018, 10, 534.	2.7	1
30	Objective identification of local spatial structure for material characterization. Statistical Analysis and Data Mining, 2020, 13, 377-393.	2.8	1
31	Fault isolation. , 2021, , 71-117.		1
32	Combining regression and mixed-integer programming to model counterinsurgency. Annals of Operations Research, 2020, 292, 287-320.	4.1	0
33	Illustrating Randomness in Statistics Courses With Spatial Experiments. American Statistician, 2021, 75, 343-353.	1.6	0