

Eunshin Byon

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

966
citations

516710

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434195

31
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36
all docs

36
docs citations

36
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal budget allocation for stochastic simulation with importance sampling: Exploration vs. replication. IJSE Transactions, 2022, 54, 881-893.	2.4	3
2	Uncertainty Quantification for Extreme Quantile Estimation With Stochastic Computer Models. IEEE Transactions on Reliability, 2021, 70, 134-145.	4.6	8
3	New Unobtrusive Tidal Volume Monitoring System Using Channel State Information in Wi-Fi Signal: Preliminary Result. IEEE Sensors Journal, 2021, 21, 3810-3821.	4.7	3
4	Look-ahead decision making for renewable energy: A dynamic "predict and store" approach. Applied Energy, 2021, 296, 117068.	10.1	14
5	Integrative Density Forecast and Uncertainty Quantification of Wind Power Generation. IEEE Transactions on Sustainable Energy, 2021, 12, 1864-1875.	8.8	25
6	The Internet of Federated Things (IoFT). IEEE Access, 2021, 9, 156071-156113.	4.2	15
7	Nonparametric importance sampling for wind turbine reliability analysis with stochastic computer models. Annals of Applied Statistics, 2021, 15, .	1.1	4
8	Data-driven prediction for volatile processes based on real option theories. International Journal of Production Economics, 2020, 226, 107605.	8.9	2
9	On the long-term density prediction of peak electricity load with demand side management in buildings. Energy and Buildings, 2020, 228, 110450.	6.7	18
10	Adaptive importance sampling for extreme quantile estimation with stochastic black box computer models. Naval Research Logistics, 2020, 67, 524-547.	2.2	8
11	HEAT - Human Embodied Autonomous Thermostat. Building and Environment, 2020, 178, 106879.	6.9	24
12	Probabilistic Characterization of Wind Diurnal Variability for Wind Resource Assessment. IEEE Transactions on Sustainable Energy, 2020, 11, 2535-2544.	8.8	11
13	Projecting the Most Likely Annual Urban Heat Extremes in the Central United States. Atmosphere, 2019, 10, 727.	2.3	4
14	Projected increase in obesity and non-alcoholic steatohepatitis-related liver transplantation waitlist additions in the United States. Hepatology, 2019, 70, 487-495.	7.3	96
15	Data-driven Parameter Calibration in Wake Models. , 2018, , .		0
16	Uncertainty Quantification of Stochastic Simulation for Black-box Computer Experiments. Methodology and Computing in Applied Probability, 2018, 20, 1155-1172.	1.2	13
17	A Collaborative Learning Framework for Estimating Many Individualized Regression Models in a Heterogeneous Population. IEEE Transactions on Reliability, 2018, 67, 328-341.	4.6	25
18	Direction-Dependent Power Curve Modeling for Multiple Interacting Wind Turbines. IEEE Transactions on Power Systems, 2018, 33, 1725-1733.	6.5	28

#	ARTICLE	IF	CITATIONS
19	Adaptive Extreme Load Estimation in Wind Turbines. , 2017, , .		0
20	A sparse partitioned-regression model for nonlinear systemâ€™environment interactions. IJSE Transactions, 2017, 49, 814-826.	2.4	4
21	Condition-based joint maintenance optimization for a large-scale system with homogeneous units. IJSE Transactions, 2017, 49, 493-504.	2.4	17
22	When wind travels through turbines: A new statistical approach for characterizing heterogeneous wake effects in multi-turbine wind farms. IJSE Transactions, 2017, 49, 84-95.	2.4	22
23	Computationally Efficient Uncertainty Minimization in Wind Turbine Extreme Load Assessments. Journal of Solar Energy Engineering, Transactions of the ASME, 2016, 138, .	1.8	17
24	Changeâ€™Point Detection on Solar Panel Performance Using Thresholded LASSO. Quality and Reliability Engineering International, 2016, 32, 2653-2665.	2.3	8
25	Adaptive Learning in Time-Variant Processes With Application to Wind Power Systems. IEEE Transactions on Automation Science and Engineering, 2016, 13, 997-1007.	5.2	31
26	Prioritizing regular demand while reserving capacity for emergency demand. European Journal of Operational Research, 2015, 247, 472-487.	5.7	4
27	Importance Sampling for Reliability Evaluation With Stochastic Simulation Models. Technometrics, 2015, 57, 351-361.	1.9	25
28	Reliability Evaluation of Large-Scale Systems With Identical Units. IEEE Transactions on Reliability, 2015, 64, 420-434.	4.6	10
29	Condition Monitoring of Wind Power System With Nonparametric Regression Analysis. IEEE Transactions on Energy Conversion, 2014, 29, 288-299.	5.2	65
30	Wind turbine operations and maintenance: a tractable approximation of dynamic decision making. IJSE Transactions, 2013, 45, 1188-1201.	2.1	34
31	Bayesian spline method for assessing extreme loads on wind turbines. Annals of Applied Statistics, 2013, 7, .	1.1	28
32	Simulation of wind farm operations and maintenance using discrete event system specification. Simulation, 2011, 87, 1093-1117.	1.8	47
33	Optimal Maintenance Strategies for Wind Turbine Systems Under Stochastic Weather Conditions. IEEE Transactions on Reliability, 2010, 59, 393-404.	4.6	172
34	A classification procedure for highly imbalanced class sizes. IJSE Transactions, 2010, 42, 288-303.	2.1	32
35	Season-Dependent Condition-Based Maintenance for a Wind Turbine Using a Partially Observed Markov Decision Process. IEEE Transactions on Power Systems, 2010, 25, 1823-1834.	6.5	147
36	Collaborative data reduction for energy efficient sensor networks. , 2008, , .		2