

# Eunshin Byon

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

966  
citations

516710

16  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

933  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Maintenance Strategies for Wind Turbine Systems Under Stochastic Weather Conditions. IEEE Transactions on Reliability, 2010, 59, 393-404.	4.6	172
2	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
3	Projected increase in obesity and nonâ€alcoholicâ€steatohepatitisâ€related liver transplantation waitlist additions in the United States. Hepatology, 2019, 70, 487-495.	7.3	96
4	Condition Monitoring of Wind Power System With Nonparametric Regression Analysis. IEEE Transactions on Energy Conversion, 2014, 29, 288-299.	5.2	65
5	Simulation of wind farm operations and maintenance using discrete event system specification. Simulation, 2011, 87, 1093-1117.	1.8	47
6	Wind turbine operations and maintenance: a tractable approximation of dynamic decision making. IIE Transactions, 2013, 45, 1188-1201.	2.1	34
7	A classification procedure for highly imbalanced class sizes. IIE Transactions, 2010, 42, 288-303.	2.1	32
8	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
9	Bayesian spline method for assessing extreme loads on wind turbines. Annals of Applied Statistics, 2013, 7, .	1.1	28
10	Direction-Dependent Power Curve Modeling for Multiple Interacting Wind Turbines. IEEE Transactions on Power Systems, 2018, 33, 1725-1733.	6.5	28
11	Importance Sampling for Reliability Evaluation With Stochastic Simulation Models. Technometrics, 2015, 57, 351-361.	1.9	25
12	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
13	Integrative Density Forecast and Uncertainty Quantification of Wind Power Generation. IEEE Transactions on Sustainable Energy, 2021, 12, 1864-1875.	8.8	25
14	HEAT - Human Embodied Autonomous Thermostat. Building and Environment, 2020, 178, 106879.	6.9	24
15	When wind travels through turbines: A new statistical approach for characterizing heterogeneous wake effects in multi-turbine wind farms. IIE Transactions, 2017, 49, 84-95.	2.4	22
16	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
17	Computationally Efficient Uncertainty Minimization in Wind Turbine Extreme Load Assessments. Journal of Solar Energy Engineering, Transactions of the ASME, 2016, 138, .	1.8	17
18	Condition-based joint maintenance optimization for a large-scale system with homogeneous units. IIE Transactions, 2017, 49, 493-504.	2.4	17

#	ARTICLE	IF	CITATIONS
19	The Internet of Federated Things (IoFT). IEEE Access, 2021, 9, 156071-156113.	4.2	15
20	Look-ahead decision making for renewable energy: A dynamic “predict and store” approach. Applied Energy, 2021, 296, 117068.	10.1	14
21	Uncertainty Quantification of Stochastic Simulation for Black-box Computer Experiments. Methodology and Computing in Applied Probability, 2018, 20, 1155-1172.	1.2	13
22	Probabilistic Characterization of Wind Diurnal Variability for Wind Resource Assessment. IEEE Transactions on Sustainable Energy, 2020, 11, 2535-2544.	8.8	11
23	Reliability Evaluation of Large-Scale Systems With Identical Units. IEEE Transactions on Reliability, 2015, 64, 420-434.	4.6	10
24	Change-Point Detection on Solar Panel Performance Using Thresholded LASSO. Quality and Reliability Engineering International, 2016, 32, 2653-2665.	2.3	8
25	Adaptive importance sampling for extreme quantile estimation with stochastic black box computer models. Naval Research Logistics, 2020, 67, 524-547.	2.2	8
26	Uncertainty Quantification for Extreme Quantile Estimation With Stochastic Computer Models. IEEE Transactions on Reliability, 2021, 70, 134-145.	4.6	8
27	Prioritizing regular demand while reserving capacity for emergency demand. European Journal of Operational Research, 2015, 247, 472-487.	5.7	4
28	A sparse partitioned-regression model for nonlinear system-environment interactions. IIEE Transactions, 2017, 49, 814-826.	2.4	4
29	Projecting the Most Likely Annual Urban Heat Extremes in the Central United States. Atmosphere, 2019, 10, 727.	2.3	4
30	Nonparametric importance sampling for wind turbine reliability analysis with stochastic computer models. Annals of Applied Statistics, 2021, 15, .	1.1	4
31	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
32	Optimal budget allocation for stochastic simulation with importance sampling: Exploration vs. replication. IIEE Transactions, 2022, 54, 881-893.	2.4	3
33	Collaborative data reduction for energy efficient sensor networks. , 2008, , .		2
34	Data-driven prediction for volatile processes based on real option theories. International Journal of Production Economics, 2020, 226, 107605.	8.9	2
35	Adaptive Extreme Load Estimation in Wind Turbines. , 2017, , .		0
36	Data-driven Parameter Calibration in Wake Models. , 2018, , .		0