

Yu Ding

List of Publications by Citations

Source: <https://exaly.com/author-pdf/926389/yu-ding-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

998
citations

15
h-index

30
g-index

70
ext. papers

1,213
ext. citations

3.6
avg, IF

4.69
L-index

#	Paper	IF	Citations
65	Optimal Maintenance Strategies for Wind Turbine Systems Under Stochastic Weather Conditions. <i>IEEE Transactions on Reliability</i> , 2010 , 59, 393-404	4.6	140
64	Season-Dependent Condition-Based Maintenance for a Wind Turbine Using a Partially Observed Markov Decision Process. <i>IEEE Transactions on Power Systems</i> , 2010 , 25, 1823-1834	7	115
63	A survey of inspection strategy and sensor distribution studies in discrete-part manufacturing processes. <i>IIE Transactions</i> , 2006 , 38, 309-328		83
62	Segmentation, Inference and Classification of Partially Overlapping Nanoparticles. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 669-81	13.3	71
61	Power Curve Estimation With Multivariate Environmental Factors for Inland and Offshore Wind Farms. <i>Journal of the American Statistical Association</i> , 2015 , 110, 56-67	2.8	49
60	A kernel plus method for quantifying wind turbine performance upgrades. <i>Wind Energy</i> , 2015 , 18, 1207-1219	3.4	43
59	Gaussian process method for form error assessment using coordinate measurements. <i>IIE Transactions</i> , 2008 , 40, 931-946		38
58	Spatio-temporal asymmetry of local wind fields and its impact on short-term wind forecasting. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1437-1447	8.2	36
57	Quantifying the effect of vortex generator installation on wind power production: An academia-industry case study. <i>Renewable Energy</i> , 2017 , 113, 1589-1597	8.1	29
56	Bayesian hierarchical model for combining misaligned two-resolution metrology data. <i>IIE Transactions</i> , 2011 , 43, 242-258		29
55	Short-Term Wind Speed Forecast Using Measurements From Multiple Turbines in A Wind Farm. <i>Technometrics</i> , 2016 , 58, 138-147	1.4	23
54	A multistage, semi-automated procedure for analyzing the morphology of nanoparticles. <i>IIE Transactions</i> , 2012 , 44, 507-522		23
53	A classification procedure for highly imbalanced class sizes. <i>IIE Transactions</i> , 2010 , 42, 288-303		22
52	Unsupervised Anomaly Detection Based on Minimum Spanning Tree Approximated Distance Measures and its Application to Hydropower Turbines. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 654-667	4.9	18
51	Automating material image analysis for material discovery. <i>MRS Communications</i> , 2019 , 9, 545-555	2.7	15
50	Detecting nuclear materials smuggling: using radiography to improve container inspection policies. <i>Annals of Operations Research</i> , 2011 , 187, 65-87	3.2	15
49	Modulus prediction of buckypaper based on multi-fidelity analysis involving latent variables. <i>IIE Transactions</i> , 2015 , 47, 141-152		14

48	Decision Fusion from Heterogeneous Sensors in Surveillance Sensor Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2011 , 8, 228-233	4.9	13
47	Pattern matching for variation-source identification in manufacturing processes in the presence of unstructured noise. <i>IIE Transactions</i> , 2007 , 39, 251-263		13
46	Robust Nanoparticles Detection From Noisy Background by Fusing Complementary Image Information. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5713-5726	8.7	13
45	SPATIO-TEMPORAL SHORT-TERM WIND FORECAST: A CALIBRATED REGIME-SWITCHING METHOD. <i>Annals of Applied Statistics</i> , 2019 , 13, 1484-1510	2.1	12
44	Sequential Design for Functional Calibration of Computer Models. <i>Technometrics</i> , 2018 , 60, 286-296	1.4	11
43	Multi-component wind turbine modeling and simulation for wind farm operations and maintenance. <i>Simulation</i> , 2015 , 91, 360-382	1.2	11
42	Adaptive evolutionary Monte Carlo algorithm for optimization with applications to sensor placement problems. <i>Statistics and Computing</i> , 2008 , 18, 375-390	1.8	11
41	Identifying multi-stage nanocrystal growth using in situ TEM video data. <i>IIE Transactions</i> , 2017 , 49, 532-543	3.3	10
40	A model-based calibration approach for structural fault diagnosis using piezoelectric impedance measurements and a finite element model. <i>Structural Health Monitoring</i> , 2020 , 19, 1839-1855	4.4	10
39	Bayesian object classification of gold nanoparticles. <i>Annals of Applied Statistics</i> , 2013 , 7,	2.1	10
38	Evaluation of alternative power production efficiency metrics for offshore wind turbines and farms. <i>Renewable Energy</i> , 2018 , 128, 81-90	8.1	10
37	A production economics analysis for quantifying the efficiency of wind turbines. <i>Wind Energy</i> , 2017 , 20, 1501-1513	3.4	9
36	Data Science for Wind Energy		9
35	Quantifying Nanoparticle Mixing State to Account for Both Location and Size Effects. <i>Technometrics</i> , 2017 , 59, 391-403	1.4	7
34	Matching Misaligned Two-Resolution Metrology Data. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 222-237	4.9	7
33	Robust Calibration for Localization in Clustered Wireless Sensor Networks. <i>IEEE Transactions on Automation Science and Engineering</i> , 2010 , 7, 81-95	4.9	7
32	Optimal sensor distribution in multi-station assembly processes for maximal variance detection capability. <i>IIE Transactions</i> , 2009 , 41, 804-818		7
31	Calculating the Breakdown Point of Sparse Linear Models. <i>Technometrics</i> , 2009 , 51, 34-46	1.4	6

30	Robust Calibration for Localization in Clustered Wireless Sensor Networks 2007 ,		5
29	A case study of space-time performance comparison of wind turbines on a wind farm. <i>Renewable Energy</i> , 2021 , 171, 735-746	8.1	5
28	Spline model for wake effect analysis: Characteristics of a single wake and its impacts on wind turbine power generation. <i>IIE Transactions</i> , 2018 , 50, 112-125	3.3	4
27	Bayesian site selection for fast Gaussian process regression. <i>IIE Transactions</i> , 2014 , 46, 543-555		4
26	An Integer Programming Approach for Analyzing the Measurement Redundancy in Structured Linear Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2011 , 8, 447-450	4.9	4
25	A data mining approach to study the significance of nonlinearity in multistation assembly processes. <i>IIE Transactions</i> , 2006 , 38, 1069-1083		4
24	A Gaussian Process Model-Guided Surface Polishing Process in Additive Manufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2020 , 142,	3.3	4
23	Effective Super-Resolution Methods for Paired Electron Microscopic Images. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7317-7330	8.7	3
22	Power Curve Estimation: Functional Estimation Imposing the Regular Ultra Passum Law. <i>SSRN Electronic Journal</i> , 2015 ,	1	3
21	Fast dynamic nonparametric distribution tracking in electron microscopic data. <i>Annals of Applied Statistics</i> , 2019 , 13,	2.1	3
20	. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2021 , 34, 194-206	2.6	3
19	Hybridization of Bound-and-Decompose and Mixed Integer Feasibility Checking to Measure Redundancy in Structured Linear Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 1151-1157	4.9	2
18	2019 ,		2
17	Graph Regularized Autoencoder and its Application in Unsupervised Anomaly Detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	2
16	Outlier Detection for Hydropower Generation Plant 2018 ,		2
15	Using container inspection history to improve interdiction logistics for illicit nuclear materials. <i>Naval Research Logistics</i> , 2013 , 60, 433-448	1.5	1
14	Collaborative data reduction for energy efficient sensor networks 2008 ,		1
13	Lone but Not Alone: Precise Positioning of Lone Pairs for the Design of Photocatalytic Architectures. <i>Chemistry of Materials</i> ,	9.6	1

12	Graph-based clustering for detecting frequent patterns in event log data 2016 ,		1
11	A Reproducing Kernel Hilbert Space Approach to Functional Calibration of Computer Models. <i>Journal of the American Statistical Association</i> ,1-15	2.8	1
10	Joint Estimation of Monotone Curves via Functional Principal Component Analysis.. <i>Computational Statistics and Data Analysis</i> , 2022 , 166, 107343-107343	1.6	1
9	Gaussian Process-Aided Function Comparison Using Noisy Scattered Data. <i>Technometrics</i> ,1-11	1.4	0
8	The temporal overfitting problem with applications in wind power curve modeling. <i>Technometrics</i> ,1-31	1.4	0
7	Dynamic Data-Driven Distribution Tracking of Nanoparticle Morphology. <i>Lecture Notes in Computer Science</i> , 2020 , 132-139	0.9	
6	Super Resolution. <i>Profiles in Operations Research</i> , 2021 , 323-360	1	
5	Segmentation. <i>Profiles in Operations Research</i> , 2021 , 35-74	1	
4	Location and Dispersion Analysis. <i>Profiles in Operations Research</i> , 2021 , 109-144	1	
3	Change Point Detection. <i>Profiles in Operations Research</i> , 2021 , 241-275	1	
2	Multi-Object Tracking Analysis. <i>Profiles in Operations Research</i> , 2021 , 277-321	1	
1	State Space Modeling for Size Changes. <i>Profiles in Operations Research</i> , 2021 , 177-213	1	