Peng Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4078737/publications.pdf

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20 papers	2,798 citations	623734 14 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	2750 citing authors

#	Article	IF	Citations
1	Deep learning and its applications to machine health monitoring. Mechanical Systems and Signal Processing, 2019, 115, 213-237.	8.0	1,616
2	Long short-term memory for machine remaining life prediction. Journal of Manufacturing Systems, 2018, 48, 78-86.	13.9	292
3	Deep learning-based human motion recognition for predictive context-aware human-robot collaboration. CIRP Annals - Manufacturing Technology, 2018, 67, 17-20.	3.6	160
4	Virtualization and deep recognition for system fault classification. Journal of Manufacturing Systems, 2017, 44, 310-316.	13.9	133
5	A deep learning-based approach to material removal rate prediction in polishing. CIRP Annals - Manufacturing Technology, 2017, 66, 429-432.	3.6	103
6	Deep learning-based tensile strength prediction in fused deposition modeling. Computers in Industry, 2019, 107, 11-21.	9.9	96
7	Cloud Computing for Cloud Manufacturing: Benefits and Limitations. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	64
8	Transferable two-stream convolutional neural network for human action recognition. Journal of Manufacturing Systems, 2020, 56, 605-614.	13.9	62
9	Adaptive resampling-based particle filtering for tool life prediction. Journal of Manufacturing Systems, 2015, 37, 528-534.	13.9	59
10	Heterogeneous data-driven hybrid machine learning for tool condition prognosis. CIRP Annals - Manufacturing Technology, 2019, 68, 455-458.	3.6	46
11	Transfer learning for enhanced machine fault diagnosis in manufacturing. CIRP Annals - Manufacturing Technology, 2020, 69, 413-416.	3.6	45
12	A tutorial on deep learning-based data analytics in manufacturing through a welding case study. Journal of Manufacturing Processes, 2021, 63, 2-13.	5.9	44
13	Automated Performance Tracking for Heat Exchangers in HVAC. IEEE Transactions on Automation Science and Engineering, 2017, 14, 634-645.	5.2	23
14	Modeling of Layer-wise Additive Manufacturing for Part Quality Prediction. Procedia Manufacturing, 2018, 16, 155-162.	1.9	16
15	Hybrid machine learning-enabled adaptive welding speed control. Journal of Manufacturing Processes, 2021, 71, 374-383.	5.9	15
16	Attention Mechanism-Incorporated Deep Learning for AM Part Quality Prediction. Procedia CIRP, 2020, 93, 96-101.	1.9	11
17	Stochastic modeling for tracking and prediction of gradual and transient battery performance degradation. Journal of Manufacturing Systems, 2021, 59, 663-674.	13.9	9
18	Data-driven process characterization and adaptive control in robotic arc welding. CIRP Annals - Manufacturing Technology, 2022, 71, 45-48.	3.6	2

#	Article	IF	Citations
19	Human Motion Recognition and Prediction for Robot Control. , 2021, , 261-282.		1
20	Monitoring of Backside Weld Bead Width from High Dynamic Range Images Using CNN Network. , 2022, , .		1