

Abdallah A Chehade

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

632
citations

840776

11
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	A dual-LSTM framework combining change point detection and remaining useful life prediction. Reliability Engineering and System Safety, 2021, 205, 107257.	8.9	168
2	Optimize the Signal Quality of the Composite Health Index via Data Fusion for Degradation Modeling and Prognostic Analysis. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1504-1514.	5.2	96
3	A data-level fusion approach for degradation modeling and prognostic analysis under multiple failure modes. Journal of Quality Technology, 2018, 50, 150-165.	2.5	56
4	Sensory-Based Failure Threshold Estimation for Remaining Useful Life Prediction. IEEE Transactions on Reliability, 2017, 66, 939-949.	4.6	47
5	A controllable deep transfer learning network with multiple domain adaptation for battery state-of-charge estimation. Applied Energy, 2022, 312, 118726.	10.1	39
6	Sensor Fusion via Statistical Hypothesis Testing for Prognosis and Degradation Analysis. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1774-1787.	5.2	37
7	A Collaborative Gaussian Process Regression Model for Transfer Learning of Capacity Trends Between Li-Ion Battery Cells. IEEE Transactions on Vehicular Technology, 2020, 69, 9542-9552.	6.3	36
8	Robust Artificial Neural Network-Based Models for Accurate Surface Temperature Estimation of Batteries. IEEE Transactions on Industry Applications, 2020, 56, 5269-5278.	4.9	29
9	A Multioutput Convolved Gaussian Process for Capacity Forecasting of Li-Ion Battery Cells. IEEE Transactions on Power Electronics, 2022, 37, 896-909.	7.9	23
10	Structural Degradation Modeling Framework for Sparse Data Sets With an Application on Alzheimer's Disease. IEEE Transactions on Automation Science and Engineering, 2019, 16, 192-205.	5.2	14
11	Conditional Gaussian mixture model for warranty claims forecasting. Reliability Engineering and System Safety, 2022, 218, 108180.	8.9	14
12	Optimal Dynamic Behavior of Adaptive WIP Regulation with Multiple Modes of Capacity Adjustment. Procedia CIRP, 2014, 19, 168-173.	1.9	8
13	A Multi-Output Convolved Gaussian Process Model for Capacity Estimation of Electric Vehicle Li-ion Battery Cells. , 2019, , .		8
14	A Long Short-Term Memory Network for Online State-of-Charge Estimation of Li-ion Battery Cells. , 2020, , .		7
15	An Adaptive Deep Neural Network with Transfer Learning for State-of-Charge Estimations of Battery Cells. , 2020, , .		6
16	Accelerating the Discovery of New DP Steel Using Machine Learning-Based Multiscale Materials Simulations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3268-3279.	2.2	6
17	A Novel Neural Network with Gaussian Process Feedback for Modeling the State-of-Charge of Battery Cells. , 2020, , .		6
18	A Novel Neural Network With Gaussian Process Feedback for Modeling the State-of-Charge of Battery Cells. IEEE Transactions on Industry Applications, 2022, 58, 5340-5352.	4.9	6

#	ARTICLE	IF	CITATIONS
19	A Cycle-based Recurrent Neural Network for State-of-Charge Estimation of Li-ion Battery Cells. , 2020, , .		5
20	Sparse Autoencoded Long Short-Term Memory Network for State-of-Charge Estimations. , 2021, , .		5
21	BLNN: An R package for training neural networks using Bayesian inference. SoftwareX, 2020, 11, 100432.	2.6	4
22	Dynamic Adherent Raindrop Simulator for Automotive Vision Systems. IEEE Access, 2021, 9, 114808-114820.	4.2	4
23	A Hybrid Long Short-Term Memory Network for State-of-Charge Estimation of Li-ion Batteries. , 2021, , .		4
24	Powerâ€™law nonhomogeneous Poisson process with a mixture of latent common shape parameters. Reliability Engineering and System Safety, 2020, 203, 107097.	8.9	2
25	Data-driven Adaptive Thresholding Model for Real-time Valve Delay Estimation in Digital Pump/Motors. International Journal of Fluid Power, 0, , .	0.7	1
26	A Polynomial Regression Model with Bayesian Inference for State-of-Health Prediction of Li-ion Batteries. , 2022, , .		1