Abdallah A Chehade

List of Publications by Year
in descending order

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 Multioutput Convolved Gaussian Process for Capacity Forecasting of Li-Ion Battery Cells. IEEE Transactions on Power Electronics, 2022, 37, 896-909.	7.9	23
2	Conditional Gaussian mixture model for warranty claims forecasting. Reliability Engineering and System Safety, 2022, 218, 108180.	8.9	14
3	A controllable deep transfer learning network with multiple domain adaptation for battery state-of-charge estimation. Applied Energy, 2022, 312, 118726.	10.1	39
4	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
5	A Polynomial Regression Model with Bayesian Inference for State-of-Health Prediction of Li-ion Batteries. , 2022, , .		1
6	A dual-LSTM framework combining change point detection and remaining useful life prediction. Reliability Engineering and System Safety, 2021, 205, 107257.	8.9	168
7	Dynamic Adherent Raindrop Simulator for Automotive Vision Systems. IEEE Access, 2021, 9, 114808-114820.	4.2	4
8	Sparse Autoencoded Long Short-Term Memory Network for State-of-Charge Estimations. , 2021, , .		5
9	A Hybrid Long Short-Term Memory Network for State-of-Charge Estimation of Li-ion Batteries. , 2021, , .		4
10	An Adaptive Deep Neural Network with Transfer Learning for State-of-Charge Estimations of Battery Cells. , 2020, , .		6
11	A Cycle-based Recurrent Neural Network for State-of-Charge Estimation of Li-ion Battery Cells. , 2020, , .		5
12	Power–law nonhomogeneous Poisson process with a mixture of latent common shape parameters. Reliability Engineering and System Safety, 2020, 203, 107097.	8.9	2
13	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
14	A Long Short-Term Memory Network for Online State-of-Charge Estimation of Li-ion Battery Cells. , 2020, , .		7
15	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
16	BLNN: An R package for training neural networks using Bayesian inference. SoftwareX, 2020, 11, 100432.	2.6	4
17	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
18	A Novel Neural Network with Gaussian Process Feedback for Modeling the State-of-Charge of Battery Cells. , 2020, , .		6

#	Article	IF	Citations
19	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
20	A Multi-Output Convolved Gaussian Process Model for Capacity Estimation of Electric Vehicle Li-ion Battery Cells. , 2019, , .		8
21	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
22	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
23	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
24	Sensory-Based Failure Threshold Estimation for Remaining Useful Life Prediction. IEEE Transactions on Reliability, 2017, 66, 939-949.	4.6	47
25	Optimal Dynamic Behavior of Adaptive WIP Regulation with Multiple Modes of Capacity Adjustment. Procedia CIRP, 2014, 19, 168-173.	1.9	8
26	Data-driven Adaptive Thresholding Model for Real-time Valve Delay Estimation in Digital Pump/Motors. International Journal of Fluid Power, 0, , .	0.7	1