Cheng Cheng

List of Publications by Year
in descending order

		623574	794469
23 papers	1,872 citations	14 h-index	19 g-index
24 all docs	24 docs citations	24 times ranked	2712 citing authors

#	Article	IF	Citations
1	An interpretable mortality prediction model for COVID-19 patients. Nature Machine Intelligence, 2020, 2, 283-288.	8.3	686
2	Remaining useful life prediction of lithium-ion batteries with adaptive unscented kalman filter and optimized support vector regression. Neurocomputing, 2020, 376, 95-102.	3.5	236
3	Remaining useful life prediction of lithium-ion batteries based on false nearest neighbors and a hybrid neural network. Applied Energy, 2019, 253, 113626.	5.1	208
4	A Deep Learning-Based Remaining Useful Life Prediction Approach for Bearings. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1243-1254.	3.7	127
5	Automatic multilabel electrocardiogram diagnosis of heart rhythm or conduction abnormalities with deep learning: a cohort study. The Lancet Digital Health, 2020, 2, e348-e357.	5.9	103
6	A recurrent neural network approach for remaining useful life prediction utilizing a novel trend features construction method. Measurement: Journal of the International Measurement Confederation, 2019, 146, 279-288.	2.5	98
7	A general end-to-end diagnosis framework for manufacturing systems. National Science Review, 2020, 7, 418-429.	4.6	98
8	A GAN-Based Anomaly Detection Approach for Imbalanced Industrial Time Series. IEEE Access, 2019, 7, 143608-143619.	2.6	85
9	Degradation assessment of bearings with trend-reconstruct-based features selection and gated recurrent unit network. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108064.	2.5	64
10	Data Fusion Generative Adversarial Network for Multi-Class Imbalanced Fault Diagnosis of Rotating Machinery. IEEE Access, 2020, 8, 70111-70124.	2.6	34
11	Homecare-Oriented ECG Diagnosis With Large-Scale Deep Neural Network for Continuous Monitoring on Embedded Devices. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	20
12	Fault detection of lithium-ion battery packs with a graph-based method. Journal of Energy Storage, 2021, 43, 103209.	3.9	18
13	Development and Validation of a Prognostic Risk Score System for COVID-19 Inpatients: A Multi-Center Retrospective Study in China. Engineering, 2022, 8, 116-121.	3.2	17
14	A Koopman operator approach for machinery health monitoring and prediction with noisy and low-dimensional industrial time series. Neurocomputing, 2020, 406, 204-214.	3.5	15
15	Imputation of missing data from offshore wind farms using spatio-temporal correlation and feature correlation. Energy, 2021, 229, 120777.	4.5	14
16	Series Active Variable Geometry Suspension: Full-Car Prototyping and Road Testing. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1332-1344.	3.7	9
17	Data-Driven Discovery of Stochastic Differential Equations. Engineering, 2022, 17, 244-252.	3.2	9
18	Li Yan et al. reply. Nature Machine Intelligence, 2021, 3, 28-32.	8.3	8

#	Article	IF	Citations
19	Active Variable Geometry Suspension robust control for improved vehicle ride comfort and road holding. , 2015, , .		6
20	State of health estimation for lithium-ion batteries with dynamic time warping and deep kernel learning model. , 2020, , .		6
21	Robust Control for a Full-Car Prototype of Series Active Variable Geometry Suspension. , 2019, , .		3
22	Generative Adversarial Network Based Multi-class Imbalanced Fault Diagnosis of Rolling Bearing. , 2019, , .		2
23	Adaptive support-driven Bayesian reweighted algorithm for sparse signal recovery. Signal, Image and Video Processing, 2021, 15, 1295-1302.	1.7	2