

# Cheng Cheng

## List of Publications by Year in Descending Order

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

23  
papers

874  
citations

10  
h-index

24  
g-index

24  
ext. papers

1,388  
ext. citations

8.1  
avg. IF

4.74  
L-index

#	Paper	IF	Citations
23	Homecare-Oriented ECG Diagnosis with Large-scale Deep Neural Network for Continuous Monitoring on Embedded Devices. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1	5.2	3
22	Li Yan et al. reply. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 28-32	22.5	1
21	Series Active Variable Geometry Suspension: Full-Car Prototyping and Road Testing. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 1-1	5.5	3
20	Adaptive support-driven Bayesian reweighted algorithm for sparse signal recovery. <i>Signal, Image and Video Processing</i> , <b>2021</b> , 15, 1295-1302	1.6	1
19	Imputation of missing data from offshore wind farms using spatio-temporal correlation and feature correlation. <i>Energy</i> , <b>2021</b> , 229, 120777	7.9	3
18	Fault detection of lithium-ion battery packs with a graph-based method. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103209	7.8	4
17	An interpretable mortality prediction model for COVID-19 patients. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 283-288	22.5	398
16	Data Fusion Generative Adversarial Network for Multi-Class Imbalanced Fault Diagnosis of Rotating Machinery. <i>IEEE Access</i> , <b>2020</b> , 8, 70111-70124	3.5	12
15	Automatic multilabel electrocardiogram diagnosis of heart rhythm or conduction abnormalities with deep learning: a cohort study. <i>The Lancet Digital Health</i> , <b>2020</b> , 2, e348-e357	14.4	31
14	Degradation assessment of bearings with trend-reconstruct-based features selection and gated recurrent unit network. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 165, 108064	4.6	22
13	A Deep Learning-Based Remaining Useful Life Prediction Approach for Bearings. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 1243-1254	5.5	51
12	A Koopman operator approach for machinery health monitoring and prediction with noisy and low-dimensional industrial time series. <i>Neurocomputing</i> , <b>2020</b> , 406, 204-214	5.4	7
11	State of health estimation for lithium-ion batteries with dynamic time warping and deep kernel learning model <b>2020</b> ,		3
10	A general end-to-end diagnosis framework for manufacturing systems. <i>National Science Review</i> , <b>2020</b> , 7, 418-429	10.8	33
9	Development and Validation of a Prognostic Risk Score System for COVID-19 Inpatients: A Multi-Center Retrospective Study in China. <i>Engineering</i> , <b>2020</b> ,	9.7	10
8	Remaining useful life prediction of lithium-ion batteries with adaptive unscented kalman filter and optimized support vector regression. <i>Neurocomputing</i> , <b>2020</b> , 376, 95-102	5.4	93
7	A recurrent neural network approach for remaining useful life prediction utilizing a novel trend features construction method. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 146, 279-288	4.6	51

6	Remaining useful life prediction of lithium-ion batteries based on false nearest neighbors and a hybrid neural network. <i>Applied Energy</i> , <b>2019</b> , 253, 113626	10.7	100
5	A GAN-Based Anomaly Detection Approach for Imbalanced Industrial Time Series. <i>IEEE Access</i> , <b>2019</b> , 7, 143608-143619	3.5	35
4	Robust Control for a Full-Car Prototype of Series Active Variable Geometry Suspension* <b>2019</b> ,		2
3	Generative Adversarial Network Based Multi-class Imbalanced Fault Diagnosis of Rolling Bearing <b>2019</b> ,		2
2	Active Variable Geometry Suspension robust control for improved vehicle ride comfort and road holding <b>2015</b> ,		5
1	Development and validation of a prognostic risk score system for COVID-19 inpatients: A multi-center retrospective study in China		3