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List of Publications by Year
in descending order

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34 papers	1,987 citations	430754 18 h-index	434063 31 g-index
34 all docs	34 docs citations	34 times ranked	1333 citing authors

#	Article	IF	Citations
1	Deep transfer network with joint distribution adaptation: A new intelligent fault diagnosis framework for industry application. ISA Transactions, 2020, 97, 269-281.	3.1	344
2	A novel adversarial learning framework in deep convolutional neural network for intelligent diagnosis of mechanical faults. Knowledge-Based Systems, 2019, 165, 474-487.	4.0	332
3	Comparison of random forest, artificial neural networks and support vector machine for intelligent diagnosis of rotating machinery. Transactions of the Institute of Measurement and Control, 2018, 40, 2681-2693.	1.1	225
4	An adaptive spatiotemporal feature learning approach for fault diagnosis in complex systems. Mechanical Systems and Signal Processing, 2019, 117, 170-187.	4.4	140
5	Learning transferable features in deep convolutional neural networks for diagnosing unseen machine conditions. ISA Transactions, 2019, 93, 341-353.	3.1	122
6	Deep transfer learning with limited data for machinery fault diagnosis. Applied Soft Computing Journal, 2021, 103, 107150.	4.1	120
7	Towards trustworthy machine fault diagnosis: A probabilistic Bayesian deep learning framework. Reliability Engineering and System Safety, 2022, 224, 108525.	5.1	92
8	Out-of-distribution detection-assisted trustworthy machinery fault diagnosis approach with uncertainty-aware deep ensembles. Reliability Engineering and System Safety, 2022, 226, 108648.	5.1	82
9	A Hybrid Generalization Network for Intelligent Fault Diagnosis of Rotating Machinery Under Unseen Working Conditions. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	81
10	Intelligent fault diagnosis method for rotating machinery via dictionary learning and sparse representation-based classification. Measurement: Journal of the International Measurement Confederation, 2018, 118, 181-193.	2.5	58
11	Weighted domain adaptation networks for machinery fault diagnosis. Mechanical Systems and Signal Processing, 2021, 158, 107744.	4.4	58
12	End-to-end capacity estimation of Lithium-ion batteries with an enhanced long short-term memory network considering domain adaptation. Journal of Power Sources, 2022, 520, 230823.	4.0	54
13	Multi-sensor gearbox fault diagnosis by using feature-fusion covariance matrix and multi-Riemannian kernel ridge regression. Reliability Engineering and System Safety, 2021, 216, 108018.	5.1	39
14	Rolling Bearing Fault Diagnostic Method Based on VMD-AR Model and Random Forest Classifier. Shock and Vibration, 2016, 2016, 1-11.	0.3	34
15	Intelligent Diagnosis Method for Rotating Machinery Using Dictionary Learning and Singular Value Decomposition. Sensors, 2017, 17, 689.	2.1	28
16	The Fault Feature Extraction of Rolling Bearing Based on EMD and Difference Spectrum of Singular Value. Shock and Vibration, 2016, 2016, 1-14.	0.3	27
17	Rotating Machinery Fault Diagnosis for Imbalanced Data Based on Fast Clustering Algorithm and Support Vector Machine. Journal of Sensors, 2017, 2017, 1-15.	0.6	25
18	Fault detection of petrochemical process based on space-time compressed matrix and Naive Bayes. Chemical Engineering Research and Design, 2022, 160, 327-340.	2.7	19

#	Article	IF	Citations
19	Learn Generalized Features Via Multi-Source Domain Adaptation: Intelligent Diagnosis Under Variable/Constant Machine Conditions. IEEE Sensors Journal, 2022, 22, 510-519.	2.4	16
20	Performance degradation analysis and fault prognostics of solid oxide fuel cells using the data-driven method. International Journal of Hydrogen Energy, 2021, 46, 18511-18523.	3.8	14
21	Crossâ€machine intelligent fault diagnosis of gearbox based on deep learning and parameter transfer. Structural Control and Health Monitoring, 2022, 29, .	1.9	14
22	Dynamic Characteristics and Experimental Research of Dual-Rotor System with Rub-Impact Fault. Shock and Vibration, 2016, 2016, 1-11.	0.3	13
23	Application of Variational Mode Decomposition to Feature Isolation and Diagnosis in a Wind Turbine. Journal of Vibration Engineering and Technologies, 2019, 7, 639-646.	1.3	12
24	Fault Prognostics for Photovoltaic Inverter Based on Fast Clustering Algorithm and Gaussian Mixture Model. Energies, 2020, 13, 4901.	1.6	12
25	Positive-Unlabeled Learning-Based Hybrid Deep Network for Intelligent Fault Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 4510-4519.	7.2	9
26	Effects of Tooth Breakage Size and Rotational Speed on the Vibration Response of a Planetary Gearbox. Applied Sciences (Switzerland), 2017, 7, 678.	1.3	8
27	Fault diagnosis of multistage centrifugal pump unit using non-local means-based vibration signal denoising. Eksploatacja I Niezawodnosc, 2019, 21, 539-545.	1.1	3
28	Critical Concurrent Feature Selection and Enhanced Heterogeneous Ensemble Learning Approach for Fault Detection in Industrial Processes. IEEE Sensors Journal, 2022, 22, 7931-7943.	2.4	2
29	Adversarial Domain Adaptation for Gear Crack Level Classification Under Variable Load. , 2020, , .		1
30	Integration of Ammonia Synthesis Gas Production and N₂O Decomposition into a Membrane Reactor. Industrial & Engineering Chemistry Research, 2021, 60, 3066-3072.	1.8	1
31	A novel performance degradation prognostics approach and its application on ball screw. Measurement: Journal of the International Measurement Confederation, 2022, 195, 111184.	2.5	1
32	Health Monitoring of Plate Structures Based on Tomography With Combination of Guided Wave Transmission and Reflection. IEEE Sensors Journal, 2022, 22, 10850-10860.	2.4	1
33	Feature dimension reduction method of rolling bearing based on quantum genetic algorithm. , 2016, , .		0
34	Degradation State Assessment of Rolling Bearing Based on Variational Mode Decomposition and Energy Distribution. Key Engineering Materials, 0, 754, 371-374.	0.4	0