

Shengnan Tang

List of Publications by Year in descending order

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22
papers

1,066
citations

567281

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713466

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g-index

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all docs

22
docs citations

22
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent fault diagnosis of hydraulic piston pump based on deep learning and Bayesian optimization. ISA Transactions, 2022, 129, 555-563.	5.7	86
2	An adaptive deep learning model towards fault diagnosis of hydraulic piston pump using pressure signal. Engineering Failure Analysis, 2022, 138, 106300.	4.0	53
3	Acoustic signal-based fault detection of hydraulic piston pump using a particle swarm optimization enhancement CNN. Applied Acoustics, 2022, 192, 108718.	3.3	55
4	A novel adaptive convolutional neural network for fault diagnosis of hydraulic piston pump with acoustic images. Advanced Engineering Informatics, 2022, 52, 101554.	8.0	71
5	Intelligent fault identification of hydraulic pump using deep adaptive normalized CNN and synchrosqueezed wavelet transform. Reliability Engineering and System Safety, 2022, 224, 108560.	8.9	70
6	Intelligent Fault Diagnosis of Hydraulic Piston Pump Based on Wavelet Analysis and Improved AlexNet. Sensors, 2021, 21, 549.	3.8	38
7	A novel extraction method for useful component of vibration signal combining variational mode decomposition and relative entropy. AIP Advances, 2021, 11, 035129.	1.3	3
8	Parameter identification method of hydraulic automatic gauge control system based on chaotic wolf pack optimization algorithm. AIP Advances, 2021, 11, 055302.	1.3	2
9	Instability Condition Derivation for Hydraulic AGC System under Pressure Closed-Loop Control. Shock and Vibration, 2021, 2021, 1-16.	0.6	1
10	An improved convolutional neural network with an adaptable learning rate towards multi-signal fault diagnosis of hydraulic piston pump. Advanced Engineering Informatics, 2021, 50, 101406.	8.0	90
11	Intelligent fault diagnosis of hydraulic piston pump combining improved LeNet-5 and PSO hyperparameter optimization. Applied Acoustics, 2021, 183, 108336.	3.3	74
12	Deep Learning-Based Intelligent Fault Diagnosis Methods Toward Rotating Machinery. IEEE Access, 2020, 8, 9335-9346.	4.2	176
13	An Integrated Deep Learning Method towards Fault Diagnosis of Hydraulic Axial Piston Pump. Sensors, 2020, 20, 6576.	3.8	24
14	Data Preprocessing Techniques in Convolutional Neural Network Based on Fault Diagnosis Towards Rotating Machinery. IEEE Access, 2020, 8, 149487-149496.	4.2	78
15	Intelligent Diagnosis towards Hydraulic Axial Piston Pump Using a Novel Integrated CNN Model. Sensors, 2020, 20, 7152.	3.8	15
16	Cyclostationary Analysis towards Fault Diagnosis of Rotating Machinery. Processes, 2020, 8, 1217.	2.8	5
17	Convolutional Neural Network in Intelligent Fault Diagnosis Toward Rotatory Machinery. IEEE Access, 2020, 8, 86510-86519.	4.2	96
18	Effective component extraction for hydraulic pump pressure signal based on fast empirical mode decomposition and relative entropy. AIP Advances, 2020, 10, .	1.3	11

#	ARTICLE	IF	CITATIONS
19	Extraction method for signal effective component based on extreme-point symmetric mode decomposition and Kullback-Leibler divergence. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	40
20	Amplitude-frequency characteristics analysis for vertical vibration of hydraulic AGC system under nonlinear action. AIP Advances, 2019, 9, .	1.3	37
21	Bifurcation Characteristic Research on the Load Vertical Vibration of a Hydraulic Automatic Gauge Control System. Processes, 2019, 7, 718.	2.8	27
22	Feature Extraction Method for Hydraulic Pump Fault Signal Based on Improved Empirical Wavelet Transform. Processes, 2019, 7, 824.	2.8	14