Xiaoli Zhao

List of Publications by Year
in descending order

29 papers	994 citations	516215 16 h-index	552369 26 g-index
29 all docs	29 docs citations	29 times ranked	806 citing authors

#	Article	IF	Citations
1	Multiscale Deep Graph Convolutional Networks for Intelligent Fault Diagnosis of Rotor-Bearing System Under Fluctuating Working Conditions. IEEE Transactions on Industrial Informatics, 2023, 19, 166-176.	7.2	32
2	Nitrogen defects/boron dopants engineered tubular carbon nitride for efficient tetracycline hydrochloride photodegradation and hydrogen evolution. Applied Catalysis B: Environmental, 2022, 303, 120932.	10.8	127
3	Normalized Conditional Variational Auto-Encoder with adaptive Focal loss for imbalanced fault diagnosis of Bearing-Rotor system. Mechanical Systems and Signal Processing, 2022, 170, 108826.	4.4	52
4	Transfer Learning for Remaining Useful Life Prediction Across Operating Conditions Based on Multisource Domain Adaptation. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4143-4152.	3.7	24
5	Health Assessment of Rotating Equipment With Unseen Conditions Using Adversarial Domain Generalization Toward Self-Supervised Regularization Learning. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4675-4685.	3.7	10
6	Multiobjective Evolution Enhanced Collaborative Health Monitoring and Prognostics: A Case Study of Bearing Life Test With Three-Axis Acceleration Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	3
7	Semisupervised Deep Sparse Auto-Encoder With Local and Nonlocal Information for Intelligent Fault Diagnosis of Rotating Machinery. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	27
8	Multiple-Order Graphical Deep Extreme Learning Machine for Unsupervised Fault Diagnosis of Rolling Bearing. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	16
9	Semisupervised Graph Convolution Deep Belief Network for Fault Diagnosis of Electormechanical System With Limited Labeled Data. IEEE Transactions on Industrial Informatics, 2021, 17, 5450-5460.	7.2	104
10	Atomic heterojunction-induced accelerated charge transfer for boosted photocatalytic hydrogen evolution over 1D CdS nanorod/2D ZnIn2S4 nanosheet composites. Journal of Colloid and Interface Science, 2021, 604, 500-507.	5.0	33
11	Imbalanced Fault Diagnosis of Bearing-Rotor System via Normalized Conditional Variational Auto-Encoder with Adaptive Focal Loss. , 2021, , .		0
12	A novel unsupervised deep learning network for intelligent fault diagnosis of rotating machinery. Structural Health Monitoring, 2020, 19, 1745-1763.	4.3	53
13	Deep Laplacian Auto-encoder and its application into imbalanced fault diagnosis of rotating machinery. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107320.	2.5	96
14	A Hydrogen-Initiated Chemical Epitaxial Growth Strategy for In-Plane Heterostructured Photocatalyst. ACS Nano, 2020, 14, 17505-17514.	7.3	41
15	Bayesian-Based Method for the Remaining Useful Life and Reliability Prediction of Steel Structure. , 2020, , .		1
16	Graphitic Carbon Nitride Microtubes for Efficient Photocatalytic Overall Water Splitting: The Morphology Derived Electrical Field Enhancement. ACS Sustainable Chemistry and Engineering, 2020, 8, 14386-14396.	3.2	39
17	Unsupervised Fault Diagnosis of Machine via Multiple-Order Graphical Deep Extreme Learning Machine. , 2020, , .		3
18	Intelligent Fault Diagnosis of Multichannel Motor–Rotor System Based on Multimanifold Deep Extreme Learning Machine. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2177-2187.	3.7	61

#	Article	IF	Citations
19	Fault Diagnosis Framework of Rolling Bearing Using Adaptive Sparse Contrative Auto-Encoder With Optimized Unsupervised Extreme Learning Machine. IEEE Access, 2020, 8, 99154-99170.	2.6	19
20	A new Local-Global Deep Neural Network and its application in rotating machinery fault diagnosis. Neurocomputing, 2019, 366, 215-233.	3.5	56
21	Novel Approach for Fabricating Transparent and Conducting SWCNTs/ITO Thin Films for Optoelectronic Applications. Journal of Physical Chemistry C, 2018, 122, 3014-3027.	1.5	33
22	A novel deep fuzzy clustering neural network model and its application in rolling bearing fault recognition. Measurement Science and Technology, 2018, 29, 125005.	1.4	15
23	Fault diagnosis of rolling bearing based on feature reduction with global-local margin Fisher analysis. Neurocomputing, 2018, 315, 447-464.	3.5	73
24	Size dependent elastic modulus and mechanical resilience of dental enamel. Journal of Biomechanics, 2014, 47, 1060-1066.	0.9	6
25	Synergistic toughening of hard, nacre-mimetic $MoSi_2$ coatings by self-assembled hierarchical structure. Scientific Reports, 2014, 4, 4239.	1.6	7
26	Surface Electronic Structure and Mechanical Characteristics of Copperâ€"Cobalt Oxide Thin Film Coatings: Soft X-ray Synchrotron Radiation Spectroscopic Analyses and Modeling. Journal of Physical Chemistry C, 2013, 117, 16457-16467.	1.5	35
27	The origin of remarkable resilience of human tooth enamel. Applied Physics Letters, 2013, 103, 241901.	1.5	5
28	Corrosionâ€•and Damageâ€•Resistant Nitride Coatings for Steel. Journal of the American Ceramic Society, 2012, 95, 2997-3004.	1.9	7
29	Effect of Thermal Annealing Upon Residual Stress and Mechanical Properties of Nanostructured TiSiN Coatings on Steel Substrates. Journal of the American Ceramic Society, 2011, 94, 1546-1551.	1.9	16