

Xiaoli Zhao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nitrogen defects/boron dopants engineered tubular carbon nitride for efficient tetracycline hydrochloride photodegradation and hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120932.	10.8	127
2	Semisupervised Graph Convolution Deep Belief Network for Fault Diagnosis of Electromechanical System With Limited Labeled Data. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5450-5460.	7.2	104
3	Deep Laplacian Auto-encoder and its application into imbalanced fault diagnosis of rotating machinery. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 152, 107320.	2.5	96
4	Fault diagnosis of rolling bearing based on feature reduction with global-local margin Fisher analysis. <i>Neurocomputing</i> , 2018, 315, 447-464.	3.5	73
5	Intelligent Fault Diagnosis of Multichannel Motor Rotor System Based on Multimanifold Deep Extreme Learning Machine. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2177-2187.	3.7	61
6	A new Local-Global Deep Neural Network and its application in rotating machinery fault diagnosis. <i>Neurocomputing</i> , 2019, 366, 215-233.	3.5	56
7	A novel unsupervised deep learning network for intelligent fault diagnosis of rotating machinery. <i>Structural Health Monitoring</i> , 2020, 19, 1745-1763.	4.3	53
8	Normalized Conditional Variational Auto-Encoder with adaptive Focal loss for imbalanced fault diagnosis of Bearing-Rotor system. <i>Mechanical Systems and Signal Processing</i> , 2022, 170, 108826.	4.4	52
9	A Hydrogen-Initiated Chemical Epitaxial Growth Strategy for In-Plane Heterostructured Photocatalyst. <i>ACS Nano</i> , 2020, 14, 17505-17514.	7.3	41
10	Graphitic Carbon Nitride Microtubes for Efficient Photocatalytic Overall Water Splitting: The Morphology Derived Electrical Field Enhancement. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14386-14396.	3.2	39
11	Surface Electronic Structure and Mechanical Characteristics of Copper-Cobalt Oxide Thin Film Coatings: Soft X-ray Synchrotron Radiation Spectroscopic Analyses and Modeling. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16457-16467.	1.5	35
12	Novel Approach for Fabricating Transparent and Conducting SWCNTs/ITO Thin Films for Optoelectronic Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3014-3027.	1.5	33
13	Atomic heterojunction-induced accelerated charge transfer for boosted photocatalytic hydrogen evolution over 1D CdS nanorod/2D ZnIn ₂ S ₄ nanosheet composites. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 500-507.	5.0	33
14	Multiscale Deep Graph Convolutional Networks for Intelligent Fault Diagnosis of Rotor-Bearing System Under Fluctuating Working Conditions. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 166-176.	7.2	32
15	Semisupervised Deep Sparse Auto-Encoder With Local and Nonlocal Information for Intelligent Fault Diagnosis of Rotating Machinery. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	2.4	27
16	Transfer Learning for Remaining Useful Life Prediction Across Operating Conditions Based on Multisource Domain Adaptation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 4143-4152.	3.7	24
17	Fault Diagnosis Framework of Rolling Bearing Using Adaptive Sparse Contrastive Auto-Encoder With Optimized Unsupervised Extreme Learning Machine. <i>IEEE Access</i> , 2020, 8, 99154-99170.	2.6	19
18	Effect of Thermal Annealing Upon Residual Stress and Mechanical Properties of Nanostructured TiSiN Coatings on Steel Substrates. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1546-1551.	1.9	16

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19	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
20	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
21	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
22	Corrosion- and Damage-Resistant Nitride Coatings for Steel. Journal of the American Ceramic Society, 2012, 95, 2997-3004.	1.9	7
23	Synergistic toughening of hard, nacre-mimetic MoSi ₂ coatings by self-assembled hierarchical structure. Scientific Reports, 2014, 4, 4239.	1.6	7
24	Size dependent elastic modulus and mechanical resilience of dental enamel. Journal of Biomechanics, 2014, 47, 1060-1066.	0.9	6
25	The origin of remarkable resilience of human tooth enamel. Applied Physics Letters, 2013, 103, 241901.	1.5	5
26	Unsupervised Fault Diagnosis of Machine via Multiple-Order Graphical Deep Extreme Learning Machine. , 2020, , .		3
27	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
28	Bayesian-Based Method for the Remaining Useful Life and Reliability Prediction of Steel Structure. , 2020, , .		1
29	Imbalanced Fault Diagnosis of Bearing-Rotor System via Normalized Conditional Variational Auto-Encoder with Adaptive Focal Loss. , 2021, , .		0