

Kai Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

332
citations

933447

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19
docs citations

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times ranked

308
citing authors

#	ARTICLE	IF	CITATIONS
1	Diaphragm Based Fiber Bragg Grating Acceleration Sensor with Temperature Compensation. <i>Sensors</i> , 2017, 17, 218.	3.8	61
2	Incipient fault detection of rolling bearing using maximum autocorrelation impulse harmonic to noise deconvolution and parameter optimized fast EEMD. <i>ISA Transactions</i> , 2019, 89, 256-271.	5.7	60
3	Sparse Elitist Group Lasso Denoising in Frequency Domain for Bearing Fault Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4681-4691.	11.3	46
4	A group sparse representation method in frequency domain with adaptive parameters optimization of detecting incipient rolling bearing fault. <i>Journal of Sound and Vibration</i> , 2019, 462, 114931.	3.9	31
5	A non-contact fiber Bragg grating vibration sensor. <i>Review of Scientific Instruments</i> , 2014, 85, 015002.	1.3	26
6	Incipient Fault Feature Extraction of Rolling Bearings Using Autocorrelation Function Impulse Harmonic to Noise Ratio Index Based SVD and Teager Energy Operator. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1117.	2.5	21
7	Thermal error prediction of machine tool spindle using segment fusion LSSVM. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 99-114.	3.0	19
8	A synergetic strategy based on laser surface texturing and lubricating grease for improving the tribological and electrical properties of Ag coating under current-carrying friction. <i>Friction</i> , 2021, 9, 978-989.	6.4	17
9	Faults diagnosis of rolling bearings based on shift invariant K-singular value decomposition with sensitive atom nonlocal means enhancement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 836-851.	5.0	16
10	Aircraft Engine Prognostics Based on Informative Sensor Selection and Adaptive Degradation Modeling with Functional Principal Component Analysis. <i>Sensors</i> , 2020, 20, 920.	3.8	16
11	Simultaneously Low Rank and Group Sparse Decomposition for Rolling Bearing Fault Diagnosis. <i>Sensors</i> , 2020, 20, 5541.	3.8	5
12	Motor Imagery Classification via Kernel-Based Domain Adaptation on an SPD Manifold. <i>Brain Sciences</i> , 2022, 12, 659.	2.3	5
13	Learning from Demonstration: Dynamical Movement Primitives Based Reusable Suturing Skill Modelling Method. , 2018, , .		4
14	Faults Diagnosis of Rolling Bearings Based on Adaptive Fault Frequency Band Detection. , 2018, , .		1
15	Barycenter Theorem in Phase Characteristics of Symmetric and Asymmetric Windows. <i>Symmetry</i> , 2018, 10, 329.	2.2	1
16	Informative Sensor Selection and Health Indicator Construction for Aircraft Engines Prognosis. , 2019, , .		1
17	Fault Diagnosis for Supporting Rollers of the Rotary Kiln Using the Dynamic Model and Empirical Mode Decomposition. <i>Mechanika</i> , 2016, 22, .	0.5	1
18	Wear Particle Chain Segmentation Based on the Nearest Neighbor Method. , 2019, , .		0