Jiufei Luo

List of Publications by Year
in descending order

27 papers	338 citations	1040056 9 h-index	839539 18 g-index
27 all docs	27 docs citations	27 times ranked	282 citing authors

#	Article	IF	Citations
1	Incipient fault detection of rolling bearing using maximum autocorrelation impulse harmonic to noise deconvolution and parameter optimized fast EEMD. ISA Transactions, 2019, 89, 256-271.	5.7	60
2	An Inductive Debris Sensor Based on a High-Gradient Magnetic Field. IEEE Sensors Journal, 2019, 19, 2879-2886.	4.7	49
3	An Inductive Debris Sensor for a Large-Diameter Lubricating Oil Circuit Based on a High-Gradient Magnetic Field. Applied Sciences (Switzerland), 2019, 9, 1546.	2.5	40
4	Interpolated DFT algorithms with zero padding for classic windows. Mechanical Systems and Signal Processing, 2016, 70-71, 1011-1025.	8.0	25
5	Incipient Fault Feature Extraction of Rolling Bearings Using Autocorrelation Function Impulse Harmonic to Noise Ratio Index Based SVD and Teager Energy Operator. Applied Sciences (Switzerland), 2017, 7, 1117.	2.5	21
6	Frequency estimation of the weighted real tones or resolved multiple tones by iterative interpolation DFT algorithm. , 2015, 41, 118-129.		20
7	Phase difference methods based on asymmetric windows. Mechanical Systems and Signal Processing, 2015, 54-55, 52-67.	8.0	20
8	A Ferromagnetic Wear Particle Sensor Based on a Rotational Symmetry High-Gradient Magnetostatic Field. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	16
9	Research on Active Obstacle Avoidance Control Strategy for Intelligent Vehicle Based on Active Safety Collaborative Control. IEEE Access, 2020, 8, 183736-183748.	4.2	14
10	Characteristics and Superposition Regularity of Aliasing Signal of an Inductive Debris Sensor Based on a High-Gradient Magnetic Field. IEEE Sensors Journal, 2020, 20, 10071-10078.	4.7	11
11	Asymmetric Windows and Their Application in Frequency Estimation. Journal of Algorithms and Computational Technology, 2015, 9, 389-412.	0.7	10
12	Wear Debris Segmentation of Reflection Ferrograms Using Lightweight Residual U-Net. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	9
13	Generalization of interpolation DFT algorithms and frequency estimators with high image component interference rejection. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	8
14	Intelligent network vehicle driving risk field modeling and path planning for autonomous obstacle avoidance. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8621-8634.	2.1	8
15	Rolling bearing fault diagnosis method based on dispersion entropy and SVM. , 2019, , .		7
16	Learning from Demonstration: Dynamical Movement Primitives Based Reusable Suturing Skill Modelling Method. , 2018, , .		4
17	An Inductive Sensor Based Multi-Least-Mean-Square Adaptive Weighting Filtering for Debris Feature Extraction. IEEE Transactions on Industrial Electronics, 2023, 70, 3115-3125.	7.9	4
18	Application of the phase difference correct method in rolling bearing fault diagnosis. Journal of Algorithms and Computational Technology, 2017, 11, 378-387.	0.7	3

#	Article	IF	Citations
19	Segmentation of Online Ferrograph Images with Strong Interference Based on Uniform Discrete Curvelet Transformation. Sensors, 2019, 19, 1546.	3.8	3
20	Research on choices of spectral bins in energy-based frequency estimators under intensive noise. Journal of Algorithms and Computational Technology, 2017, 11, 336-344.	0.7	2
21	Design and Simulation of a Self-Calibration Based High Precision Angular Displacement Sensor. , 2018, , .		1
22	Barycenter Theorem in Phase Characteristics of Symmetric and Asymmetric Windows. Symmetry, 2018, 10, 329.	2.2	1
23	Informative Sensor Selection and Health Indicator Construction for Aircraft Engines Prognosis. , 2019, , .		1
24	Collision Warning System Based on Potential Energy Field Model under Dynamic Conditions. , 2021, , .		1
25	A comparative study of interpolation discrete fourier transform algorithms under strong noise. , 2016, , .		0
26	An Inductive Particle Detector Debris Sensor Based on Multiple Excitation Coils. , 2019, , .		0
27	An improved phase interpolation estimator. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 382-388.	1.4	0