Xiyuan Peng

List of Publications by Year
in descending order

32	417	933447	794594
papers	citations	10	19
		h-index	g-index

32	32	32	260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ESR Estimation for Aluminum Electrolytic Capacitor of Power Electronic Converter Based on Compressed Sensing and Wavelet Transform. IEEE Transactions on Industrial Electronics, 2022, 69, 1948-1957.	7.9	20
2	Experimental Verification and Analysis of the Acceleration Factor Model for 3-D nand Flash Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 3543-3547.	2.7	1
3	Joint Spectrum, Carrier, and DOA Estimation With Beamforming MWC Sampling System. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	11
4	TCSE: A Target Cell States Elimination Coding Strategy for Highly Reliable Data Storage based on 3D NAND Flash Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, , 1-1.	2.7	0
5	A Robust Open-Circuit Fault Diagnosis Method for Three-Phase Interleaved Boost Converter. IEEE Transactions on Power Electronics, 2022, 37, 11187-11198.	7.9	5
6	An Embedded Instrument for Online Condition Monitoring of Unmanned and Autonomous Systems. IEEE Instrumentation and Measurement Magazine, 2022, 25, 23-29.	1.6	0
7	Joint Carrier and 2D-DOA Estimation for L-Shaped Array Based on Sub-Nyquist Sampling. , 2021, , .		4
8	A Lightweight Ship Detection Method in Optical Remote Sensing Image under Cloud Interference. , 2021, , .		3
9	Performance Degradation Prediction of Aircraft Auxiliary Power Unit Using the Improved SVR. , 2021, , .		1
10	Test Stimulus Optimization of Analog Circuits based on Deviation Synthesis. , 2021, , .		0
11	A Fault Diagnosis Method of Modular Analog Circuit Based on SVDD and D–S Evidence Theory. Sensors, 2021, 21, 6889.	3.8	6
12	Design and Implementation of Intelligent Spaceborne Test Unit. , 2021, , .		0
13	An Efficient Embedded Processing System for Remote Sensing Image Compression based on Heterogeneous Programmable MPSoC. , 2021, , .		0
14	Multivariate Regression-Based Fault Detection and Recovery of UAV Flight Data. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3527-3537.	4.7	64
15	Unsupervised Flight Phase Recognition with Flight Data Clustering based on GMM. , 2020, , .		5
16	An Adaptive Carrier and Symbol Synchronization Approach for QPSK Signal. , 2020, , .		2
17	Sparse Autoencoder Based Manifold Analyzer Model of Multi-Angle Target Feature. IEEE Access, 2020, 8, 153250-153263.	4.2	1
18	Airborne Sensor Data-Based Unsupervised Recursive Identification for UAV Flight Phases. IEEE Sensors Journal, 2020, 20, 10733-10743.	4.7	9

#	Article	IF	Citations
19	Real-Time Fault Detection for UAV Based on Model Acceleration Engine. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9505-9516.	4.7	36
20	A Hybrid Method of Remaining Useful Life Prediction for Aircraft Auxiliary Power Unit. IEEE Sensors Journal, 2020, 20, 7848-7858.	4.7	40
21	Online Anomaly Detection in DC/DC Converters by Statistical Feature Estimation Using GPR and GA. IEEE Transactions on Power Electronics, 2020, 35, 10945-10957.	7.9	22
22	Incipient fault diagnosis method for DC–DC converters based on sensitive fault features. IET Power Electronics, 2020, 13, 4646-4658.	2.1	8
23	Prediction models of bit errors for NAND flash memory using 200 days of measured data. Review of Scientific Instruments, 2019, 90, 064702.	1.3	8
24	A Hardware-Software Co-Design Real-Time Electric Simulative Load System for Airplane. IEEE Access, 2019, 7, 94332-94341.	4.2	1
25	Data-Driven Anomaly Detection of UAV based on Multimodal Regression Model. , 2019, , .		10
26	Data-Driven Anomaly Detection for UAV Sensor Data Based on Deep Learning Prediction Model. , 2019, , .		34
27	Deep Learning Prognostics for Lithium-Ion Battery Based on Ensembled Long Short-Term Memory Networks. IEEE Access, 2019, 7, 155130-155142.	4.2	52
28	Performance Sensing Data Prediction for an Aircraft Auxiliary Power Unit Using the Optimized Extreme Learning Machine. Sensors, 2019, 19, 3935.	3.8	12
29	Collective Anomalies Detection for Sensing Series of Spacecraft Telemetry with the Fusion of Probability Prediction and Markov Chain Model. Sensors, 2019, 19, 722.	3.8	16
30	UAV Sensor Fault Detection Using a Classifier without Negative Samples: A Local Density Regulated Optimization Algorithm. Sensors, 2019, 19, 771.	3.8	41
31	Performance Parameter Estimation of Aircraft Auxiliary Power Unit Via A Fusion Model. , 2019, , .		0
32	Design of airborne target tracking accelerator based on KCF. Journal of Engineering, 2019, 2019, 8966-8971.	1.1	5