Haiwen Yuan

List of Publications by Year
in descending order

69 papers	530 citations	758635 12 h-index	713013 21 g-index
69 all docs	69 docs citations	69 times ranked	444 citing authors

#	Article	IF	Citations
1	Implementation of a Fiber-Wrapped Polymer Mandrel Acoustic Emission Sensor. IEEE Sensors Journal, 2022, 22, 2317-2325.	2.4	1
2	Model Predictive Control of Dual-Mode Energy-Stored Quasi-Z-Source Photovoltaic System. , 2022, , .		1
3	A miniaturized mechanical antenna based on FEP/THV unipolar electrets for extremely low frequency transmission. Microsystems and Nanoengineering, 2022, 8, .	3.4	10
4	Development of Ground Special Vehicle PHM with Case-Based Reason Model. Applied Sciences (Switzerland), 2021, 11, 4494.	1.3	2
5	Model, Design, and Testing of an Electret-Based Portable Transmitter for Low-Frequency Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 5305-5314.	3.1	20
6	Analysis of Distorted Electric Field Using ZigBee-Based Optical Measurement System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3442-3450.	2.4	2
7	A Method for the Indirect Detection of Audible Noise From High-Voltage Direct Current Transmission Lines. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4358-4369.	2.4	11
8	Developing an Intelligent Monitoring Technology for Airport Stone Column Machines. Sensors, 2020, 20, 3050.	2.1	3
9	Research on the Method for Analyzing the Degree of Impact Acceleration and Compaction of the Impact Roller. IEEE Access, 2020, 8, 73588-73600.	2.6	3
10	Measurement of Distorted Power-Frequency Electric Field With Integrated Optical Sensor. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1132-1139.	2.4	25
11	Analysis of the relationship between DC component and spectral components of corona current on HVDC transmission lines. IET Generation, Transmission and Distribution, 2019, 13, 1952-1959.	1.4	4
12	WSN-Based Measurement of Ion-Current Density Under High-Voltage Direct Current Transmission Lines. IEEE Access, 2019, 7, 10947-10955.	2.6	9
13	Design of Electromagnetic Driven Cluster Adaptive Manipulator. , 2019, , .		0
14	Research on interference and suppression of electronic drift electric field sensor. , 2019, , .		0
15	Research on the Setting and Evaluation of Time Domain indicator of Ultra High Voltage DC Corona Current. , 2019, , .		0
16	Consistency Test of Ion-Flow Density Measurement System Using an Improved Gray Relational Analysis Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1655-1662.	1.4	7
17	A Joint Unsupervised Cross-Domain Model via Scalable Discriminative Extreme Learning Machine. Cognitive Computation, 2018, 10, 577-590.	3.6	8
18	Model, Design, and Testing of Field Mill Sensors for Measuring Electric Fields Under High-Voltage Direct-Current Power Lines. IEEE Transactions on Industrial Electronics, 2018, 65, 608-615.	5.2	62

#	Article	IF	Citations
19	Energy management of WSN-based charge measurement system of ultra high-voltage direct-current transmission line. Wireless Networks, 2018, 24, 1667-1681.	2.0	6
20	Research on the correlation between the frequency-domain characteristics of corona current and A-weighted sound level of audible noise for UHV DC transmission line. IET Generation, Transmission and Distribution, 2018, 12, 2549-2556.	1.4	12
21	Design and modeling of space charge density sensor based on ion counting under high voltage direct current transmission lines. , 2018, , .		0
22	Research on compaction quality method of impact roller based on acceleration sensor. , 2018, , .		0
23	A two-stage framework for bat algorithm. Neural Computing and Applications, 2017, 28, 2605-2619.	3.2	10
24	Research on the correlation between corona current spectrum and audible noise spectrum of HVDC transmission line. Physics of Plasmas, 2017, 24, 113516.	0.7	18
25	Method for calculating corona inception voltage of ultra-high-voltage direct current transmission lines with frequency-domain characteristics of corona current. IET Generation, Transmission and Distribution, 2017, 11, 3783-3790.	1.4	9
26	Distributed Measurement System of Ion Current Density under UHVDC Transmission Line. , 2017, , .		2
27	Received signal strength indication-based localisation method with unknown path-loss exponent for HVDC electric field measurement. High Voltage, 2017, 2, 261-266.	2.7	8
28	Digital Multiple Notch Filter Design with Nelder-Mead Simplex Method. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 259-265.	0.2	1
29	WSN-Based Space Charge Density Measurement System. PLoS ONE, 2017, 12, e0169034.	1.1	0
30	Calculation of a Health Index of Oil-Paper Transformers Insulation with Binary Logistic Regression. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	27
31	An Integrated Decision-Making Model for Transformer Condition Assessment Using Game Theory and Modified Evidence Combination Extended by D Numbers. Energies, 2016, 9, 697.	1.6	38
32	Development and Application of a Wireless Sensor for Space Charge Density Measurement in an Ultra-High-Voltage, Direct-Current Environment. Sensors, 2016, 16, 1743.	2.1	3
33	Analysis on the spectrum characteristic of corona Current and its relationship with Radio Interference on UHVDC transmission line. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3336-3345.	1.8	12
34	Research on multi-attribute decision-making in condition evaluation for power transformer using fuzzy AHP and modified weighted averaging combination. IET Generation, Transmission and Distribution, 2016, 10, 3855-3864.	1.4	48
35	Development of a sensor for corona current measurement under high-voltage direct-current transmission lines. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666424.	1.3	6
36	Distributed wireless sensor network system for electric field measurement. , 2016, , .		3

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37	Research of Dynamic Optimization for the Cam Design Structure of MCCB. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 390-399.	1.4	12
38	Noise Suppression of Corona Current Measurement From HVdc Transmission Lines. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 264-275.	2.4	31
39	An ISO/IEC/IEEE21451 Smart Sensor Network for Distributed Measurement of Pavement Structural Temperature. International Journal of Distributed Sensor Networks, 2016, 12, 3408489.	1.3	2
40	Research of an improved interruption model coupling air blast for the low voltage circuit breaker. International Journal of Applied Electromagnetics and Mechanics, 2015, 49, 299-314.	0.3	0
41	Development of 1kV DC voltage measurement circuit for solar energy system. , 2015, , .		0
42	UAV flight safety ground test and evaluation. , 2015, , .		4
43	Relative Localization in Wireless Sensor Networks for Measurement of Electric Fields under HVDC Transmission Lines. Sensors, 2015, 15, 3540-3564.	2.1	16
44	Digital Multiple Notch Filter Design Based on Genetic Algorithm. , 2014, , .		7
45	Development of a Wireless Sensor Network for Distributed Measurement of Total Electric Field under HVDC Transmission Lines. International Journal of Distributed Sensor Networks, 2014, 10, 850842.	1.3	12
46	Application of object-oriented Petri net (OOPN) model in fault rehearsal of aircraft independent electrical power system. , 2013, , .		0
47	Research on parallel and average current control strategy of active power filter. , 2013, , .		0
48	Thermal–electrical averaging model of resonant converters based on extended describing function method. IET Power Electronics, 2013, 6, 175-182.	1.5	4
49	Application of IWO-SVM approach in fault diagnosis of analog circuits. , 2013, , .		5
50	The Impact of Filed Mill on the DC Electric Field Calibration. , 2013, , .		0
51	Gait design of biped robot based on USBSSC32. , 2013, , .		0
52	Control system design of automatic butt fusion welding machine for polyethylene pipe. , 2012, , .		0
53	Investigation of output side filter effect on the compensation performance for active power filter. , 2012, , .		1
54	Finite Element Analysis and Design on Calibrating Device of Rotary Electric Field Sensor. , 2012, , .		4

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55	Battery State-of-charge Estimation Based on Fuzzy Neural Network and Improved Particle Swarm Optimization Algorithm. , 2012, , .		2
56	Distributed fault detection and isolation scheme for abrupt and incipient faults in a class of nonlinear systems. International Journal of Control, Automation and Systems, 2012, 10, 623-631.	1.6	5
57	Development and Application of High-Frequency Sensor for Corona Current Measurement under Ultra High-Voltage Direct-Current Environment. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1064-1071.	2.4	21
58	A robust algorithm for pupil center detection. , 2011, , .		4
59	The control system design of doubly fed wind power inverter based on DSP. , 2011, , .		0
60	Shape and location design of supporting legs for a new Water Strider Robot. , 2011, , .		0
61	Shall we dance? A music-driven approach for mobile robots choreography. , 2011, , .		0
62	Calculation and Analysis of Dynamic Characteristics of Multilink Permanent Magnetic Actuator in Vacuum Circuit Breaker. IEICE Transactions on Electronics, 2010, E93-C, 1404-1410.	0.3	1
63	Nonintrusive Pressure Measurement With Capacitance Method Based on FLANN. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2914-2920.	2.4	24
64	Actuator fault diagnosis based fuzzy multiple model structure for moving systems. , 2009, , .		2
65	Modeling and simulation for a μ-structure silicon pressure sensor. , 2009, , .		0
66	Design of portable high-speed data acquisition device for transient measurements. , 2009, , .		1
67	Weak Biosignal Processing Using Adaptive Wavelet Neural Network. , 2008, , .		0
68	Multi-agent Approach for Monitoring and Diagnosis Evaluation of Electric Apparatus Control System. , 2006, , .		0
69	Integrated Supervision and Manipulation for Heavy-duty Engineering Vehicle Based on MAS. , 2006, , .		1