Haiwen Yuan

List of Publications by Year
in descending order

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69	530	758635	713013
papers	citations	12	21
		h-index	g-index

69	69	69	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Research on multiâ€attribute decisionâ€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
3	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
4	Noise Suppression of Corona Current Measurement From HVdc Transmission Lines. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 264-275.	2.4	31
5	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
6	Measurement of Distorted Power-Frequency Electric Field With Integrated Optical Sensor. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1132-1139.	2.4	25
7	Nonintrusive Pressure Measurement With Capacitance Method Based on FLANN. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2914-2920.	2.4	24
8	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
9	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
10	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
11	Relative Localization in Wireless Sensor Networks for Measurement of Electric Fields under HVDC Transmission Lines. Sensors, 2015, 15, 3540-3564.	2.1	16
12	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
13	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
14	Research on the correlation between the frequencyâ€domain characteristics of corona current and Aâ€weighted sound level of audible noise for UHV DC transmission line. IET Generation, Transmission and Distribution, 2018, 12, 2549-2556.	1.4	12
15	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
16	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
17	A two-stage framework for bat algorithm. Neural Computing and Applications, 2017, 28, 2605-2619.	3.2	10
18	A miniaturized mechanical antenna based on FEP/THV unipolar electrets for extremely low frequency transmission. Microsystems and Nanoengineering, 2022, 8, .	3.4	10

#	Article	IF	Citations
19	Method for calculating corona inception voltage of ultraâ€highâ€voltage direct current transmission lines with frequencyâ€domain characteristics of corona current. IET Generation, Transmission and Distribution, 2017, 11, 3783-3790.	1.4	9
20	WSN-Based Measurement of Ion-Current Density Under High-Voltage Direct Current Transmission Lines. IEEE Access, 2019, 7, 10947-10955.	2.6	9
21	Received signal strength indicationâ€based localisation method with unknown pathâ€loss exponent for HVDC electric field measurement. High Voltage, 2017, 2, 261-266.	2.7	8
22	A Joint Unsupervised Cross-Domain Model via Scalable Discriminative Extreme Learning Machine. Cognitive Computation, 2018, 10, 577-590.	3.6	8
23	Digital Multiple Notch Filter Design Based on Genetic Algorithm. , 2014, , .		7
24	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
25	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
26	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
27	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
28	Application of IWO-SVM approach in fault diagnosis of analog circuits. , 2013, , .		5
29	A robust algorithm for pupil center detection. , 2011, , .		4
30	Finite Element Analysis and Design on Calibrating Device of Rotary Electric Field Sensor. , 2012, , .		4
31	Thermalâ€“electrical averaging model of resonant converters based on extended describing function method. IET Power Electronics, 2013, 6, 175-182.	1.5	4
32	UAV flight safety ground test and evaluation. , 2015, , .		4
33	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
34	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
35	Distributed wireless sensor network system for electric field measurement. , 2016, , .		3
36	Developing an Intelligent Monitoring Technology for Airport Stone Column Machines. Sensors, 2020, 20, 3050.	2.1	3

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37	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
38	Actuator fault diagnosis based fuzzy multiple model structure for moving systems. , 2009, , .		2
39	Battery State-of-charge Estimation Based on Fuzzy Neural Network and Improved Particle Swarm Optimization Algorithm. , 2012, , .		2
40	Distributed Measurement System of Ion Current Density under UHVDC Transmission Line. , 2017, , .		2
41	Analysis of Distorted Electric Field Using ZigBee-Based Optical Measurement System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3442-3450.	2.4	2
42	Development of Ground Special Vehicle PHM with Case-Based Reason Model. Applied Sciences (Switzerland), 2021, 11, 4494.	1.3	2
43	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
44	Integrated Supervision and Manipulation for Heavy-duty Engineering Vehicle Based on MAS. , 2006, , .		1
45	Design of portable high-speed data acquisition device for transient measurements. , 2009, , .		1
46	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
47	Investigation of output side filter effect on the compensation performance for active power filter. , 2012, , .		1
48	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
49	Implementation of a Fiber-Wrapped Polymer Mandrel Acoustic Emission Sensor. IEEE Sensors Journal, 2022, 22, 2317-2325.	2.4	1
50	Model Predictive Control of Dual-Mode Energy-Stored Quasi-Z-Source Photovoltaic System. , 2022, , .		1
51	Multi-agent Approach for Monitoring and Diagnosis Evaluation of Electric Apparatus Control System. , 2006, , .		0
52	Weak Biosignal Processing Using Adaptive Wavelet Neural Network. , 2008, , .		0
53	Modeling and simulation for a μ-structure silicon pressure sensor. , 2009, , .		0
54	The control system design of doubly fed wind power inverter based on DSP. , 2011, , .		0

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55	Shape and location design of supporting legs for a new Water Strider Robot. , 2011, , .		0
56	Control system design of automatic butt fusion welding machine for polyethylene pipe. , 2012, , .		0
57	Application of object-oriented Petri net (OOPN) model in fault rehearsal of aircraft independent electrical power system. , 2013, , .		0
58	Research on parallel and average current control strategy of active power filter. , 2013, , .		0
59	The Impact of Filed Mill on the DC Electric Field Calibration. , 2013, , .		0
60	Gait design of biped robot based on USBSSC32. , 2013, , .		0
61	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
62	Development of 1kV DC voltage measurement circuit for solar energy system. , 2015, , .		0
63	Design and modeling of space charge density sensor based on ion counting under high voltage direct current transmission lines. , 2018, , .		0
64	Research on compaction quality method of impact roller based on acceleration sensor. , 2018, , .		0
65	Design of Electromagnetic Driven Cluster Adaptive Manipulator. , 2019, , .		0
66	Research on interference and suppression of electronic drift electric field sensor. , 2019, , .		0
67	Research on the Setting and Evaluation of Time Domain indicator of Ultra High Voltage DC Corona Current. , 2019, , .		0
68	WSN-Based Space Charge Density Measurement System. PLoS ONE, 2017, 12, e0169034.	1.1	0
69	Shall we dance? A music-driven approach for mobile robots choreography. , 2011, , .		0