

Xinbo Huang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

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citations

759233

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40
all docs

40
docs citations

40
times ranked

267
citing authors

#	ARTICLE	IF	CITATIONS
1	A structural health monitoring system of the overhead transmission line conductor. IET Science, Measurement and Technology, 2022, 16, 28-39.	1.6	7
2	An integrated fouling model of insulator surface considering particle deposition and removal. Electric Power Systems Research, 2022, 211, 108198.	3.6	0
3	Steel Plate Surface Defect Detection Based on Dataset Enhancement and Lightweight Convolution Neural Network. Machines, 2022, 10, 523.	2.2	7
4	Review on flashover risk prediction method of iced insulator based on icing monitoring technology. Cold Regions Science and Technology, 2021, 185, 103252.	3.5	15
5	A Method of Identifying Rust Status of Dampers Based on Image Processing. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5407-5417.	4.7	21
6	The propagation of the Ion-Flow Near the AC Transmission Lines. IEEE Access, 2020, 8, 146498-146509.	4.2	1
7	Aeolian vibration-based structural health monitoring system for transmission line conductors. Structural Control and Health Monitoring, 2020, 27, e2538.	4.0	17
8	Detection and Condition Assessment of Icicle Bridging for Suspension Glass Insulator by Image Analysis. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7458-7471.	4.7	10
9	Flow field distribution around insulator and contamination uneven characteristic of insulator. IET Science, Measurement and Technology, 2020, 14, 1088-1097.	1.6	5
10	A Method of Transmission Conductor-Loosened Detect Based on Image Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8783-8796.	4.7	9
11	An online monitoring technology of tower foundation deformation of transmission lines. Structural Health Monitoring, 2019, 18, 949-962.	7.5	30
12	Study on Hydrophobicity Detection of Composite Insulators of Transmission Lines by Image Analysis. IEEE Access, 2019, 7, 84516-84523.	4.2	14
13	A Measurement Technology of Space Distance Among Transmission Bundle Conductors Based on Image Sensors. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4003-4014.	4.7	13
14	A Recognition Technology of Transmission Lines Conductor Break and Surface Damage Based on Aerial Image. IEEE Access, 2019, 7, 59022-59036.	4.2	28
15	A Vibration-Based Structural Health Monitoring System for Transmission Line Towers. Electronics (Switzerland), 2019, 8, 515.	3.1	19
16	Technology of Actual Wind Deviation Monitoring for Suspension Insulator Strings Based on Improved Edge Detection. IEEE Access, 2019, 7, 170157-170167.	4.2	5
17	Research on Image Recognition Method of Icicle Length and Bridging State on Power Insulators. IEEE Access, 2019, 7, 183524-183531.	4.2	8
18	Quantitative effect of dust on photovoltaic supply of transmission line monitoring device and configuration correction. Electronics Letters, 2019, 55, 1057-1059.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Design of a wireless vibration metre for conductor vibration monitoring. Structural Control and Health Monitoring, 2018, 25, e2143.	4.0	19
20	Experimental Study on the Icing Dielectric Constant for the Capacitive Icing Sensor. Sensors, 2018, 18, 3325.	3.8	5
21	The System of Temperature Rise Monitoring and Temperature Prediction for Power Equipment. , 2018, , .		5
22	A Method for Settlement Detection of the Transmission Line Tower under Wind Force. Sensors, 2018, 18, 4355.	3.8	6
23	Broken strands monitoring of transmission lines by vibration signal analyzing. , 2018, , .		0
24	Research on Transformer Fault Diagnosis Method based on GWO Optimized Hybrid Kernel Extreme Learning Machine. , 2018, , .		10
25	Detection of Broken Strands of Transmission Line Conductors Using Fiber Bragg Grating Sensors. Sensors, 2018, 18, 2397.	3.8	24
26	Nonlinear kinetostatic modeling of double-tensural fully-compliant bistable mechanisms. International Journal of Non-Linear Mechanics, 2017, 93, 41-46.	2.6	14
27	An Online Technology for Measuring Icing Shape on Conductor Based on Vision and Force Sensors. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3180-3189.	4.7	42
28	Study on the hybrid ionâ€flow field of HVDC and HVAC transmission lines by the nodal discontinuous Galerkin timeâ€domain method. IET Generation, Transmission and Distribution, 2017, 11, 209-217.	2.5	7
29	Integrated condition monitoring system of transmission lines based on fiber bragg grating sensor. , 2016, , .		4
30	Design of a Wireless Sensor Module for Monitoring Conductor Galloping of Transmission Lines. Sensors, 2016, 16, 1657.	3.8	20
31	Experimental study on the thermal conductivity for transmission line icing. Cold Regions Science and Technology, 2016, 129, 96-103.	3.5	16
32	Research of moving object detection algorithm in transmission lines under complex background. , 2016, , .		2
33	The technique and application of phase measurement of operating voltage of the transmission line. , 2016, , .		0
34	Hybrid method for calculation of ion-flow fields of HVDC transmission lines. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 2830-2839.	2.9	10
35	Icing thickness prediction model using BP Neural Network. , 2012, , .		5
36	The monitoring sensor unit design of the wire transmission line comprehensive state. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	An online temperature monitoring system of substation based on Zigbee wireless network. , 2011, , .		8
38	Intelligent design of insulation tester. , 2011, , .		0
39	Design of compositive on-line monitoring and fault diagnosis system for high-voltage switch cabinet. , 2011, , .		3
40	Study on steel plate scratch detection based on improved MSR and phase consistency. Signal, Image and Video Processing, 0, , .	2.7	3