

# Bin Liu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Impact Loads on Tension Composite Multi-Strings of Insulator After a Single String Breaks. IEEE Transactions on Power Delivery, 2022, 37, 1295-1303.	4.3	1
2	Method for the Development of Galloping Distribution Maps for Overhead Transmission Lines. IEEE Transactions on Power Systems, 2021, 36, 5956-5958.	6.5	6
3	Time Hardening Model for Large Cross Section Conductor Based on Creep Experiments Analysis Under Different Temperature. IEEE Transactions on Power Delivery, 2021, 36, 3214-3222.	4.3	0
4	Research on Plateau Transmission Channel Patrol Technology Based on High Resolution Satellite Image Data. , 2020, , .		1
5	Study on Galloping Characteristics of Large-section Carbon Fiber Composite Core Conductor. IOP Conference Series: Materials Science and Engineering, 2020, 740, 012054.	0.6	0
6	A kinetic energy budget on the severe wind production that causes a serious state grid failure in Southern Xinjiang China. Atmospheric Science Letters, 2020, 21, e977.	1.9	8
7	Wind Pressure Coefficients Zoning Method Based on an Unsupervised Learning Algorithm. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	0
8	Simulation Analysis of Terminal Force of UHV Main Equipment. IOP Conference Series: Earth and Environmental Science, 2019, 237, 032136.	0.3	1
9	Evaluation and optimization of a shock load de-icing method for transmission lines with combined ice failure criteria. Cold Regions Science and Technology, 2019, 165, 102818.	3.5	14
10	Dynamic Analysis of a Seven-span Power Transmission Line Section following Ice Shedding and Its Suppression Method. , 2019, , .		4
11	Study on Influence of Pressure on Water Saturation Solubility in Insulation Oil. IOP Conference Series: Earth and Environmental Science, 2019, 252, 022045.	0.3	0
12	Study on a New Combined Anti-Galloping Device for UHV Overhead Transmission Lines. IEEE Transactions on Power Delivery, 2019, 34, 2070-2078.	4.3	18
13	Cross-flow vortex-induced vibration reduction of a long flexible cylinder using 3 and 4 control rods with different configurations. Applied Ocean Research, 2019, 91, 101900.	4.1	25
14	Dynamic response of three long flexible cylinders subjected to flow-induced vibration (FIV) in an equilateral-triangular configuration. Ocean Engineering, 2019, 183, 187-207.	4.3	24
15	Gradient Wind Field Characteristics of Winter Monsoon in Boundary Layer for Coastal Transmission Towers. , 2019, , .		0
16	Aeolian Vibration and Its Suppression Methods of Long Crossing Span Overhead Electric Transmission line. , 2019, , .		0
17	Distribution of Meteorological Elements related to Conductor Icing at Southwest of China. , 2019, , .		1
18	Forecast on Failure Characteristics of Transmission Line Galloping Based on Neural Networks Method. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Study on Damping Characteristic Test of Power Transmission Line at Low Temperature. , 2019, , .		0
20	Static and Dynamic Analysis of Flexible HVDC Overhead Transmission Lines with Ice Load. , 2019, , .		0
21	Optimization Design on Anti-galloping Device of Long-span Section over Yellow River in 500kV Yangdong Transmission Lines II & III. IOP Conference Series: Earth and Environmental Science, 2019, 332, 022014.	0.3	1
22	Research on the Test of Transmission Line Galloping. IOP Conference Series: Earth and Environmental Science, 2018, 128, 012123.	0.3	3
23	Study on the calculation method for dynamic wind deflection of transmission line in strong wind area. IOP Conference Series: Earth and Environmental Science, 2018, 189, 052068.	0.3	0
24	Effect of Wind Gradient on the Nonlinear Dynamic Properties of Galloping of Iced Ultra-High-Voltage Long-Span Transmission Lines. , 2018, , .		0
25	The Optimal Design of Electromagnetic Compatibility for Electronic Transformer. , 2018, , .		2
26	The Characteristic analysis on Galloping of Conductor under extreme cold condition in Arctic. IOP Conference Series: Earth and Environmental Science, 2018, 153, 062052.	0.3	0
27	Research on calibration technology for electronic current transformers. , 2018, , .		2
28	An experimental study on flow-induced vibration of three and four side-by-side long flexible cylinders. Ocean Engineering, 2018, 169, 492-510.	4.3	25
29	Galloping suppression of a suspended cable with wind loading by a nonlinear energy sink. Archive of Applied Mechanics, 2017, 87, 1007-1018.	2.2	23
30	Experimental and numerical analysis of overhead transmission lines vibration due to atmospheric icing. , 2017, , .		2
31	Forecasting for the Risk of Transmission Line Galloping Trip Based on BP Neural Network. Communications in Computer and Information Science, 2017, , 168-175.	0.5	1
32	Type synthesis of TMDs as anti-galloping devices for overhead transmission lines by using planar mechanisms. , 2016, , .		0
33	Method for the Development of Ice Thickness Distribution Maps for Power Transmission Infrastructures in China. Journal of Cold Regions Engineering - ASCE, 2015, 29, 06014004.	1.1	2
34	A Contrast on Conductor Galloping Amplitude Calculated by Three Mathematical Models with Different DOFs. Shock and Vibration, 2014, 2014, 1-10.	0.6	6
35	The experimental study on the electronic instrument transformer harmonic accuracy. , 2014, , .		3
36	A life cycle cost-effectiveness assessment model for power transformer selection based on grey correlation analysis. , 2014, , .		2

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37	Application Study of Viscoelastic Damping Material for the Anti-Galloping of Overhead Transmission Lines. <i>Advanced Materials Research</i> , 2014, 884-885, 269-272.	0.3	1
38	Classification Method of Galloping Region for Transmission Lines. <i>Advanced Materials Research</i> , 2014, 960-961, 1592-1596.	0.3	0
39	The electromagnetic compatibility research of electronic transformer under simulated complex environment. , 2014, , .		0
40	1250mm <sup>2</sup> Conductor Self-Damping Characteristics. <i>Applied Mechanics and Materials</i> , 2014, 635-637, 377-380.	0.2	0
41	Measuring of very fast transient overvoltage and very fast transient current generated by disconnector operating. , 2014, , .		3
42	Research Progress on Manual Ice Measurement Devices for Overhead Transmission Lines. <i>Advanced Materials Research</i> , 2013, 765-767, 2272-2275.	0.3	0
43	Numerical and Experimental Simulation on Aerodynamic Character of Crescent-Shaped Iced Conductor. <i>Applied Mechanics and Materials</i> , 2013, 275-277, 622-627.	0.2	3
44	Research on Numerical Simulation of Quad Bundle Conductor on Galloping. <i>Applied Mechanics and Materials</i> , 2013, 457-458, 23-27.	0.2	0
45	Experimental Research in Wind Tunnel of Aerodynamic Characters for New-Type Energy-Saving Conductor. <i>Applied Mechanics and Materials</i> , 2013, 455, 568-573.	0.2	0
46	Hysteresis Phenomenon in the Galloping of the D-Shape Iced Conductor. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-11.	1.1	7
47	A study on swing and buckling of Y-type insulator strings under strong wind action for 800kV UHDV transmission lines. , 2013, , .		1
48	Nonlinear Numerical Simulation on Galloping of Twin Bundle Conductor Considering the Wake Effect. <i>Advanced Materials Research</i> , 2012, 614-615, 1390-1393.	0.3	0
49	Experimental Simulation on Aerodynamic Character of D-Shaped Iced Conductor. <i>Advanced Materials Research</i> , 2012, 614-615, 1405-1409.	0.3	1
50	RESEARCH ON THE GALLOPING AND ANTI-GALLOPING OF THE TRANSMISSION LINE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250038.	1.7	16
51	Type Synthesis of Parallel Mechanisms with the First Class $G^F$ Sets and Two-Dimensional Rotations. <i>International Journal of Advanced Robotic Systems</i> , 2012, 9, 61.	2.1	4
52	Review of Generation Schedule Methods with Large-Scale Wind Power Integration. , 2011, , .		3
53	Analysis of Break Impact Load on Composite Insulators Used as Tension String. <i>Advanced Materials Research</i> , 2011, 284-286, 505-508.	0.3	0
54	Conceptual design of a novel de-icing device for power transmission lines. , 2011, , .		1

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55	Statistical analysis and research on galloping characteristics and damage for iced conductors of transmission lines in China. , 2010, , .		4
56	Dynamic Analysis on Steel Tower of Vertical Axis Wind Turbine. Advanced Materials Research, 0, 291-294, 2529-2536.	0.3	0
57	Research on Combination Anti-Galloping Method between Interphase Spacer and Rotary Clamp Spacer for Transmission Lines. Applied Mechanics and Materials, 0, 268-270, 1284-1287.	0.2	1
58	Type Synthesis of Torsional Mass Dampers as Anti-Galloping Devices by Using Planar Four-Bar Mechanisms. Applied Mechanics and Materials, 0, 215-216, 285-288.	0.2	1
59	Simulation Research on Cross-Sectional Stability of Expanded Diameter Conductors Based on ANSYS. Applied Mechanics and Materials, 0, 256-259, 2838-2843.	0.2	0
60	Research on the Break Impact Test of Ultra High Voltage Composite Strain Insulator String. Advanced Materials Research, 0, 706-708, 1689-1692.	0.3	1
61	Research on Nonlinear Numerical Simulation Method of Icing Conductor on Galloping. Advanced Materials Research, 0, 706-708, 1799-1804.	0.3	0
62	Analysis on Galloping Responses of Transmission Tower-Line System. Applied Mechanics and Materials, 0, 602-605, 3025-3028.	0.2	2