

# Hongyan Xing

## List of Publications by Year in descending order

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36  
papers

511  
citations

932766

10  
h-index

676716

22  
g-index

37  
all docs

37  
docs citations

37  
times ranked

406  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A Systematic Review on Hybrid Intrusion Detection System. Security and Communication Networks, 2022, 2022, 1-23.   | 1.0 | 10        |
| 2  | A data complementary method for thunderstorm point charge localization based on atmospheric electric field apparatus array group. Digital Communications and Networks, 2021, 7, 170-177.     | 2.7 | 9         |
| 3  | A low frequency 3D lightning mapping network in north China. Atmospheric Research, 2021, 249, 105314.  | 1.8 | 19        |
| 4  | Propagation Effects on Distant Electromagnetic Fields Radiated by Narrow Bipolar Events. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 516-524.                              | 1.4 | 0         |
| 5  | A Thunderstorm Cloud Point Charge Localization Method Based on CEEMDAN and SG Filtering. IEEE Access, 2021, 9, 17049-17059.  | 2.6 | 9         |
| 6  | A Moving Path Tracking Method of the Thunderstorm Cloud Based on the Three-Dimensional Atmospheric Electric Field Apparatus. Journal of Sensors, 2021, 2021, 1-13.                           | 0.6 | 5         |
| 7  | Smart Localization of Thunderstorm Charge for Human 4IR Applications. Mobile Information Systems, 2021, 2021, 1-15.  | 0.4 | 3         |
| 8  | Small Floating Target Detection Method Based on Chaotic Long Short-Term Memory Network. Journal of Marine Science and Engineering, 2021, 9, 651.   | 1.2 | 6         |
| 9  | A data complementary method for sound source localization based on four-element microphone array groups. Measurement Science and Technology, 2021, 32, 095015.                               | 1.4 | 4         |
| 10 | Study on the Influence of Thermal Effect of Multi-Pulse Lightning Current on the Aging Characteristics of ZnO Varistor. , 2021, , .  |     | 0         |
| 11 | Thunderstorm Prediction Method Based on CNN-BiLSTM Using BEADS. , 2021, , .  |     | 1         |
| 12 | Characteristics of Impulsive Currents Superimposing on Continuous/Continuing Current of Rocket-Triggered Lightning. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1200-1208. | 1.4 | 9         |
| 13 | An Experimental Study on the Effect of Multiple Lightning Waveform Parameters on the Aging Characteristics of ZnO Varistors. Electronics (Switzerland), 2020, 9, 930.                        | 1.8 | 9         |
| 14 | Micro-Degradation Characteristics and Mechanism of ZnO Varistors under Multi-Pulse Lightning Strike. Energies, 2020, 13, 2620.   | 1.6 | 6         |
| 15 | A fusion algorithm of passive sound source localization based on the two-plane four-element cross array. Review of Scientific Instruments, 2020, 91, 034901.                                 | 0.6 | 2         |
| 16 | High-Resolution Remote-Sensing Image-Change Detection Based on Morphological Attribute Profiles and Decision Fusion. Complexity, 2020, 2020, 1-17.   | 0.9 | 4         |
| 17 | Sound Source Localization Fusion Algorithm and Performance Analysis of a Three-Plane Five-Element Microphone Array. Applied Sciences (Switzerland), 2019, 9, 2417.                           | 1.3 | 9         |
| 18 | Building Extraction from High-Resolution Remote Sensing Images by Adaptive Morphological Attribute Profile under Object Boundary Constraint. Sensors, 2019, 19, 3737.                        | 2.1 | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Thunderstorm Cloud Localization Algorithm and Performance Analysis of a Three-Dimensional Atmospheric Electric Field Apparatus. <i>Journal of Electrical Engineering and Technology</i> , 2019, 14, 2487-2495.    | 1.2 | 8         |
| 20 | Electromagnetic Fields Associated With the Main Component Mode of Charge Transfer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6791-6809.  | 1.2 | 5         |
| 21 | Doubling the coexisting attractors. <i>Chaos</i> , 2019, 29, 051102.  | 1.0 | 59        |
| 22 | An Experimental Study of the Failure Mode of ZnO Varistors Under Multiple Lightning Strokes. <i>Electronics (Switzerland)</i> , 2019, 8, 172.   | 1.8 | 14        |
| 23 | Modeling and Analysis of Adaptive Temperature Compensation for Humidity Sensors. <i>Electronics (Switzerland)</i> , 2019, 8, 425.   | 1.8 | 12        |
| 24 | Effect of measure units on estimating crop LEAF chlorophyll content with remote sensing. <i>Journal of Engineering</i> , 2019, 2019, 8627-8631.   | 0.6 | 3         |
| 25 | An Analysis of Current and Electric Field Pulses Associated With Upward Negative Lightning Flashes Initiated from the Santis Tower. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4045-4059. | 1.2 | 23        |
| 26 | Inversion of a Thunderstorm Cloud Charging Model Based on a 3D Atmospheric Electric Field. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2642.   | 1.3 | 14        |
| 27 | Sound Source Omnidirectional Positioning Calibration Method Based on Microphone Observation Angle. <i>Complexity</i> , 2018, 2018, 1-15.  | 0.9 | 13        |
| 28 | Modeling of different charge transfer modes in upward flashes constrained by simultaneously measured currents and fields. , 2018, , .   |     | 8         |
| 29 | Detection of Low-Flying Target under the Sea Clutter Background Based on Volterra Filter. <i>Complexity</i> , 2018, 2018, 1-12.   | 0.9 | 6         |
| 30 | Constructing chaotic systems with conditional symmetry. <i>Nonlinear Dynamics</i> , 2017, 87, 1351-1358.  | 2.7 | 113       |
| 31 | Crisis in Amplitude Control Hides in Multistability. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650233.   | 0.7 | 30        |
| 32 | Hypogenetic chaotic jerk flows. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1172-1177.  | 0.9 | 85        |
| 33 | On validation of FCCFs for lightning striking tall objects considering propagation effect of finitely conducting earth. , 2014, , .   |     | 2         |
| 34 | Superposition of Double Amplitude Diffraction Gratings. , 2010, , .   |     | 0         |
| 35 | Clutter Removal of Doppler Ultrasound Signal Using Double Density Discrete Wavelet Transform. , 2009, , .   |     | 0         |
| 36 | Blind Separation of Weak Signals under the Chaotic Background. , 2009, , .  |     | 1         |