

# Minfang Peng

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

239  
citations

1040018

9  
h-index

1058452

14  
g-index

40  
all docs

40  
docs citations

40  
times ranked

249  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A Stochastic Model of Cascading Failure Dynamics in Cyber-Physical Power Systems. IEEE Systems Journal, 2020, 14, 4626-4637.   | 4.6 | 39        |
| 2  | Ultra-Short-Term Wind Power Prediction Based on Multivariate Phase Space Reconstruction and Multivariate Linear Regression. Energies, 2018, 11, 2763.  | 3.1 | 29        |
| 3  | Modelling and Vulnerability Analysis of Cyber-Physical Power Systems Based on Interdependent Networks. Energies, 2019, 12, 3439.   | 3.1 | 20        |
| 4  | Stability of stochastic SIRS epidemic models with saturated incidence rates and delay. Stochastic Analysis and Applications, 2017, 35, 1-26.   | 1.5 | 16        |
| 5  | Fault Diagnosis of Analog Circuits Using Systematic Tests Based on Data Fusion. Circuits, Systems, and Signal Processing, 2013, 32, 525-539.   | 2.0 | 15        |
| 6  | COMPLEX NETWORK APPLICATION IN FAULT DIAGNOSIS OF ANALOG CIRCUITS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1323-1330.  | 1.7 | 14        |
| 7  | Impact of wind power uncertainty on cascading failure in cyber-physical power systems. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126358.   | 2.6 | 12        |
| 8  | Modelling, analysis and virtual parallel resistor damping control of VSC-based DC grid using master-slave control mode. IET Generation, Transmission and Distribution, 2018, 12, 2046-2054.                          | 2.5 | 11        |
| 9  | Creation and circuit implementation of two-wing chaotic attractors using a 3D memristor-based system. International Journal of Circuit Theory and Applications, 2019, 47, 686-701.                                   | 2.0 | 11        |
| 10 | A strategy for intentional islanding of distribution networks based on node electrical relevance and artificial bee colony algorithm. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 84-91.   | 1.4 | 9         |
| 11 | Intentional islanding method based on community detection for distribution networks. IET Generation, Transmission and Distribution, 2019, 13, 30-36.   | 2.5 | 7         |
| 12 | Cascading Failure Analysis of Cyber-Physical Power Systems Considering Routing Strategy. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 136-140.  | 3.0 | 7         |
| 13 | The design and implementation of an embedded paper currency characteristic data acquisition system. , 2008, , .  |     | 6         |
| 14 | Research on Improved Virtual Synchronous Generator Based on Differential Compensation Link. , 2018, , .  |     | 5         |
| 15 | A Parallel Gaussian Filtering Algorithm Based on Color Difference. , 2011, , .   |     | 4         |
| 16 | Analog fault diagnosis using decision fusion. , 2012, , .  |     | 4         |
| 17 | A Personalized Orderly Charging Strategy for Electric Vehicles Considering Users' Needs. , 2018, , .   |     | 4         |
| 18 | Robustness analysis of cyber-coupled power systems with considerations of interdependence of structures, operations and dynamic behaviors. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127215. | 2.6 | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Probabilistic neural network based tolerance-circuit diagnosis. , 2012, , .   |     | 3         |
| 20 | Bifurcation and Periodic Solutions in Memristive Hyperchaotic System. IEEE Access, 2018, 6, 23202-23212.                  | 4.2 | 3         |
| 21 | Application of Immune Classifier Based on Increment of Diversity in the Model Species Genomes Identification. , 2008, , . |     | 2         |
| 22 | GPU-Based Multi-resolution Volume Rendering for Large Seismic Data. , 2011, , .   |     | 2         |
| 23 | Dynamic reconstruction of active distribution network with electric vehicles. , 2017, , .                                 |     | 2         |
| 24 | Multi-objective Distribution Network Planning Considering Invulnerability. , 2017, , .                                    |     | 2         |
| 25 | Low-Carbon Optimized Control for Peak Load Based on V2G Storage. , 2018, , .  |     | 2         |
| 26 | Probabilistic Vulnerability Assessment of Transmission Lines Considering Cascading Failures. Processes, 2021, 9, 1994.    | 2.8 | 2         |
| 27 | Hilbert-Huang Transformation of Large Seismic Data Based on GPU. , 2011, , .  |     | 1         |
| 28 | GPU-Based HHT Algorithm for Large Seismic Data. , 2011, , .   |     | 1         |
| 29 | Optimal Island Partition of ADN Based on Complex Network Community Structure. , 2020, , .                                 |     | 1         |
| 30 | Cascading Failure Analysis With Load Uncertainty in Cyber-Physical Power Systems. , 2021, , .                             |     | 1         |
| 31 | Fault Propagation Characteristics and Reliability Analysis of Large-Scale Circuit. , 2010, , .                            |     | 0         |
| 32 | Multi-parameter Calibration Algorithm Based on 4D Seismic Inversion. , 2011, , .  |     | 0         |
| 33 | 3D Volume Clipping Based on Distance Field. , 2011, , .   |     | 0         |
| 34 | Surgery Prediction and Simulation Based on Correction of Orbital Hypertelorism. , 2011, , .                               |     | 0         |
| 35 | An AVO Inversion Algorithm Base on Time-Lapse Seismic Data. , 2011, , .   |     | 0         |
| 36 | Interactive 3D Visualization of Large CT Datasets. , 2011, , .  |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | The Parallel Waves Simulation Based on GPU. , 2011, , .  |     | 0         |
| 38 | The failure analysis and lifetime prediction for the solder joint of the magnetic head. Applied Physics A: Materials Science and Processing, 2015, 118, 691-697. | 2.3 | 0         |
| 39 | Distributed Generations Planning in Network Based on Marginal Benefit. , 2018, , .   |     | 0         |
| 40 | Multi-objective Planning for Siting and Sizing of Distributed Generators Considering Correlations. , 2018, , .   |     | 0         |