# Ping Ju

## List of Publications by Year
in descending order

| | | |
|---|---|---|
| 139 papers | 2,139 citations | 236925 25 h-index |
| 139 all docs | 139 docs citations | 139 times ranked |

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|---|
| 289244 40 g-index |
| 1621 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Peer-to-Peer Energy Trading Using Prediction Intervals of Renewable Energy Generation. IEEE Transactions on Smart Grid, 2023, 14, 1454-1465. | 9.0 | 13 |
| 2 | An Online Multifault Diagnosis Scheme for Battery Packs Based on Voltage Envelope Relationship. IEEE Transactions on Transportation Electrification, 2023, 9, 1008-1020. | 7.8 | 4 |
| 3 | Small-Signal Stability Assessment of Heterogeneous Grid-Following Converter Power Systems Based on Grid Strength Analysis. IEEE Transactions on Power Systems, 2023, 38, 2566-2579. | 6.5 | 7 |
| 4 | A P-Q Coordination Based Model Predictive Control for DFIG High-Voltage Ride Through. IEEE Transactions on Energy Conversion, 2022, 37, 254-263. | 5.2 | 16 |
| 5 | Long-Term Voltage Stability-Constrained Coordinated Scheduling for Gas and Power Grids With Uncertain Wind Power. IEEE Transactions on Sustainable Energy, 2022, 13, 363-377. | 8.8 | 11 |
| 6 | A sequentially preventive model enhancing power system resilience against extreme-weather-triggered failures. Renewable and Sustainable Energy Reviews, 2022, 156, 111945. | 16.4 | 13 |
| 7 | Security Constrained P2P Energy Trading in Distribution Network: An Integrated Transaction and Operation Model. IEEE Transactions on Smart Grid, 2022, 13, 4773-4786. | 9.0 | 12 |
| 8 | Common-Mode Frequency in Converter-Integrated Power Systems: Definition, Analysis, and Quantitative Evaluation. IEEE Transactions on Power Systems, 2022, 37, 4846-4860. | 6.5 | 13 |
| 9 | A Multi-Timescale Allocation Algorithm of Energy and Power for Demand Response in Smart Grids: A Stackelberg Game Approach. IEEE Transactions on Sustainable Energy, 2022, 13, 1580-1593. | 8.8 | 9 |
| 10 | Hierarchical economic control of air-conditioning loads to compensate for fluctuations in distributed photovoltaic generation. International Journal of Electrical Power and Energy Systems, 2022, 142, 108196. | 5.5 | 1 |
| 11 | A Modified DPWM With Neutral Point Voltage Balance Capability for Three-Phase Vienna Rectifiers. IEEE Transactions on Power Electronics, 2021, 36, 263-273. | 7.9 | 41 |
| 12 | Coordinated Control of Air-Conditioning Loads for System Frequency Regulation. IEEE Transactions on Smart Grid, 2021, 12, 548-560. | 9.0 | 44 |
| 13 | Placing Grid-Forming Converters to Enhance Small Signal Stability of PLL-Integrated Power Systems. IEEE Transactions on Power Systems, 2021, 36, 3563-3573. | 6.5 | 60 |
| 14 | A Bottom-up Method for Probabilistic Short-Term Load Forecasting Based on Medium Voltage Load Patterns. IEEE Access, 2021, 9, 76551-76563. | 4.2 | 4 |
| 15 | Analytic assessment of the power system frequency security. IET Generation, Transmission and Distribution, 2021, 15, 2215-2225. | 2.5 | 10 |
| 16 | Damping Effect of Virtual Synchronous Machines Provided by a Dynamical Virtual Impedance. IEEE Transactions on Energy Conversion, 2021, 36, 570-573. | 5.2 | 28 |
| 17 | Coordinated scheduling of integrated power and gas grids in consideration of gas flow dynamics. Energy, 2021, 220, 119760. | 8.8 | 8 |
| 18 | A bang–bang control based water–loop heat pump load aggregation method for power levelling dispatch. IET Smart Grid, 2021, 4, 321-333. | 2.2 | 0 |

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|---|---------|-----|-----------|
| 19 | Simplified Model of Distributed PV Generation and Influence Analysis on Load Characteristics. , 2021, , . | | 0 |
| 20 | Incorporating demand response in two-stage frequency emergency control. International Journal of Electrical Power and Energy Systems, 2021, 131, 107122. | 5.5 | 9 |
| 21 | Sequential steady-state security region-based transmission power system resilience enhancement. Renewable and Sustainable Energy Reviews, 2021, 151, 111533. | 16.4 | 5 |
| 22 | Best response-based individually look-ahead scheduling for natural gas and power systems. Applied Energy, 2021, 304, 117673. | 10.1 | 4 |
| 23 | A New Vibration Analysis Approach for Monitoring the Working Condition of a High-Voltage Shunt Reactor. IEEE Access, 2021, 9, 46487-46504. | 4.2 | 11 |
| 24 | An Adaptive Ensemble Data Driven Approach for Nonparametric Probabilistic Forecasting of Electricity Load. IEEE Transactions on Smart Grid, 2021, 12, 5396-5408. | 9.0 | 20 |
| 25 | Anomaly Identification for Active Distribution Networks Using Random Matrix Theory. , 2021, , . | | 0 |
| 26 | Parameter Identification of Load Model Using Scatter Plot Based Global Sensitivity Analysis. , 2021, , . | | 1 |
| 27 | Integrated Model of DFIG and SFR for Frequency Regulation Control Research of Wind Turbine Generator. , 2021, , . | | 3 |
| 28 | Simplified Modeling of the Power-electronized Load Based on Sensitivity Analysis. , 2021, , . | | 0 |
| 29 | Symmetric Admittance Modeling for Stability Analysis of Grid-Connected Converters. IEEE Transactions on Energy Conversion, 2020, 35, 434-444. | 5.2 | 36 |
| 30 | Grid-Synchronization Stability Analysis and Loop Shaping for PLL-Based Power Converters With Different Reactive Power Control. IEEE Transactions on Smart Grid, 2020, 11, 501-516. | 9.0 | 127 |
| 31 | Singular Perturbation for the Dynamic Modeling of Integrated Energy Systems. IEEE Transactions on Power Systems, 2020, 35, 1718-1728. | 6.5 | 35 |
| 32 | MDP-Based Distribution Network Reconfiguration With Renewable Distributed Generation: Approximate Dynamic Programming Approach. IEEE Transactions on Smart Grid, 2020, 11, 3620-3631. | 9.0 | 73 |
| 33 | Markov Decision Process-Based Resilience Enhancement for Distribution Systems: An Approximate Dynamic Programming Approach. IEEE Transactions on Smart Grid, 2020, 11, 2498-2510. | 9.0 | 46 |
| 34 | Probabilistic Preassessment Method of Parameter Identification Accuracy With an Application to Identify the Drive Train Parameters of DFIG. IEEE Transactions on Power Systems, 2020, 35, 1769-1782. | 6.5 | 11 |
| 35 | Study on peak cutting and valley filling based on flexible load. , 2020, , . | | 2 |
| 36 | Simplified Dynamic Model of the Electric Load Supplied by a Switching Power Supply. , 2020, , . | | 3 |

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|---|---------|-----|-----------|
| 37 | System Resilience Enhancement Against Cascading Failure in Consideration of Uncertainty. , 2020, , . | | 0 |
| 38 | Impedance Modeling and Analysis for DFIG-Based Wind Farm in SSO Studies. IEEE Access, 2020, 8, 158380-158390. | 4.2 | 10 |
| 39 | Hierarchical Control of Heterogeneous Inverter Air-Conditionings for Primary Frequency Regulation. , 2020, , . | | 0 |
| 40 | Calculation of Sub-synchronous Oscillation Probability Based on Inverse Function. , 2020, , . | | 0 |
| 41 | High-voltage Ride Through Strategy for DFIG Considering Converter Blocking of HVDC System. Journal of Modern Power Systems and Clean Energy, 2020, 8, 491-498. | 5.4 | 18 |
| 42 | Generic System Frequency Response Model for Power Grids With Different Generations. IEEE Access, 2020, 8, 14314-14321. | 4.2 | 27 |
| 43 | Calculation of Stable Domain of DFIG-Based Wind Farm in Series Compensated Power Systems. IEEE Access, 2020, 8, 34900-34908. | 4.2 | 3 |
| 44 | Identification of Generalized Short-Circuit Ratio for On-Line Stability Monitoring of Wind Farms. IEEE Transactions on Power Systems, 2020, 35, 3282-3285. | 6.5 | 26 |
| 45 | Analysis of Dynamic Voltage Fluctuation Mechanism in Interconnected Power Grid with Stochastic Power Disturbances. Journal of Modern Power Systems and Clean Energy, 2020, 8, 38-45. | 5.4 | 13 |
| 46 | A Si/SiC Hybrid Five-Level Active NPC Inverter With Improved Modulation Scheme. IEEE Transactions on Power Electronics, 2020, 35, 4835-4846. | 7.9 | 39 |
| 47 | Modeling of Wind Speeds Inside a Wind Farm With Application to Wind Farm Aggregate Modeling Considering LVRT Characteristic. IEEE Transactions on Energy Conversion, 2020, 35, 508-519. | 5.2 | 28 |
| 48 | Stochastic Control for Intra-Region Probability Maximization of Multi-Machine Power Systems Based on the Quasi-Generalized Hamiltonian Theory. Energies, 2020, 13, 167. | 3.1 | 2 |
| 49 | GIS mechanical state identification and defect diagnosis technology based on selfâ€excited vibration of assembled circuit breaker. IET Science, Measurement and Technology, 2020, 14, 56-63. | 1.6 | 16 |
| 50 | Singular value decompositionâ€based load indexes for load profiles clustering. IET Generation, Transmission and Distribution, 2020, 14, 4164-4172. | 2.5 | 6 |
| 51 | Transfer function based equivalent modeling method for wind farm. Journal of Modern Power Systems and Clean Energy, 2019, 7, 549. | 5.4 | 6 |
| 52 | Generalized Discrete-Time Equivalent Model for Representing Interfaces in Wide-Area Power Systems. IEEE Transactions on Smart Grid, 2019, 10, 3504-3514. | 9.0 | 6 |
| 53 | Windâ€"Wave Coupling Model for Wave Energy Forecast. IEEE Transactions on Sustainable Energy, 2019, 10, 586-595. | 8.8 | 13 |
| 54 | Analytic Estimation Method of Forced Oscillation Amplitude Under Stochastic Continuous Disturbances. IEEE Transactions on Smart Grid, 2019, 10, 4026-4036. | 9.0 | 6 |

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| 55 | Data-driven probabilistic small signal stability analysis for grid-connected PV systems. International Journal of Electrical Power and Energy Systems, 2019, 113, 824-831. | 5.5 | 15 |
| 56 | SSR Analysis of DFIG-Based Wind Farm With VSM Control Strategy. IEEE Access, 2019, 7, 118702-118711. | 4.2 | 10 |
| 57 | Incentive-Compatible Market Clearing for a Two-Stage Integrated Electricity-Gas-Heat Market. IEEE Access, 2019, 7, 120984-120996. | 4.2 | 11 |
| 58 | Data-Driven Arbitrary Polynomial Chaos-Based Probabilistic Load Flow Considering Correlated Uncertainties. IEEE Transactions on Power Systems, 2019, 34, 3274-3276. | 6.5 | 29 |
| 59 | Phase–amplitude model for doubly fed induction generators. Journal of Modern Power Systems and Clean Energy, 2019, 7, 369-379. | 5.4 | 7 |
| 60 | Research on the correlation of wind farms' outputs based on fluctuation division and time shift technique. , 2019, , . | | 1 |
| 61 | Design and Comparison of Segmented Armature Windings for Superconducting Wind Turbine Generators with Multiple Converters. , 2019, , . | | 1 |
| 62 | Hierarchical Control of Air-Conditioning Loads for Flexible Demand Response in the Short Term. IEEE Access, 2019, 7, 184611-184621. | 4.2 | 14 |
| 63 | Analytic Analysis for Dynamic System Frequency in Power Systems Under Uncertain Variability. IEEE Transactions on Power Systems, 2019, 34, 982-993. | 6.5 | 28 |
| 64 | Stochastic Dynamic Analysis for Power Systems Under Uncertain Variability. IEEE Transactions on Power Systems, 2018, 33, 3789-3799. | 6.5 | 27 |
| 65 | Equivalent modeling of wind energy conversion considering overall effect of pitch angle controllers in wind farm. Applied Energy, 2018, 222, 485-496. | 10.1 | 27 |
| 66 | Generalized Discrete-Time Equivalent Model for Dynamic Simulation of Regional Power Area. IEEE Transactions on Power Systems, 2018, 33, 6452-6465. | 6.5 | 8 |
| 67 | Analytical Assessment for Transient Stability Under Stochastic Continuous Disturbances. IEEE Transactions on Power Systems, 2018, 33, 2004-2014. | 6.5 | 49 |
| 68 | Stochastic Stability Analysis of the Power System with Losses. Energies, 2018, 11, 678. | 3.1 | 1 |
| 69 | Equivalent Modeling of Direct-drive Wave Array in Frequency Domain. , 2018, , . | | 2 |
| 70 | Optimized Planning of Inverter Interfaced Distributed Generation Considering Relay Constraints. , 2018, , . | | 1 |
| 71 | Optimal Power Flow Calculation Using BFGS-Based Optimisation Scheme. , 2018, , . | | 2 |
| 72 | Modeling methods for electric loads in a real power grid. , 2018, , . | | 3 |

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| 73 | Research on an Axial Maglev Device With Primary Superconductive Coils for a 1000 MW Hydraulic Generator Set. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6. | 1.7 | 7 |
| 74 | Partial discharge diagnosis by simultaneous observation of discharge pulses and vibration signal. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 288-295. | 2.9 | 17 |
| 75 | Design and Analysis of a Superconducting Induction Magnetic Levitation Device for Vertical Hydraulic Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 2.1 | 2 |
| 76 | Research on the fault diagnosis method for slip ring device in doubly‐fed induction generators based on vibration. IET Renewable Power Generation, 2017, 11, 289-295. | 3.1 | 16 |
| 77 | Hierarchical parameter estimation of DFIG and drive train system in a wind turbine generator. Frontiers of Mechanical Engineering, 2017, 12, 367-376. | 4.3 | 5 |
| 78 | Simulation on power characteristic of UHVDC during commutation failure and DC block. , 2017, , . | | 3 |
| 79 | Maximization of reliability of stochastic multiple machines power system based on the quasi Hamiltonian system. , 2017, , . | | 0 |
| 80 | Characteristics analysis and practical model of UHVDC systems under large disturbance. , 2017, , . | | 1 |
| 81 | Optimal Control of Generators and Series Compensators within Multi-space-time Scale. , 2017, , . | | 0 |
| 82 | Modeling and optimization of the maglev device for a vertical hydro-turbine. International Journal of Applied Electromagnetics and Mechanics, 2017, 54, 187-197. | 0.6 | 0 |
| 83 | Frequency Characteristic of New-type Load Considering Power Electronics Technology. , 2017, , . | | 0 |
| 84 | Interaction and Coordination among Nuclear Power Plants, Power Grids and Their Protection Systems. Energies, 2016, 9, 306. | 3.1 | 11 |
| 85 | General Forced Oscillations in a Real Power Grid Integrated with Large Scale Wind Power. Energies, 2016, 9, 525. | 3.1 | 3 |
| 86 | Quasi hamilton system stochastic averaging and EEAC combined transient stability analysis method. , 2016, , . | | 2 |
| 87 | Research on load characteristics of energy-saving lamp and LED lamp. , 2016, , . | | 11 |
| 88 | Mechanism analysis of power load using difference equation approach. , 2016, , . | | 4 |
| 89 | Design and analysis of a superconducting induction magnetic levitation device for hydraulic turbo-generator. , 2016, , . | | 0 |
| 90 | Modeling and simulation analysis of large-scale smelting load. , 2016, , . | | 0 |

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| 91 | Oscillation Energy Analysis of Inter-Area Low-Frequency Oscillations in Power Systems. IEEE Transactions on Power Systems, 2016, 31, 1195-1203. | 6.5 | 73 |
| 92 | Optimal control strategy of voltage source converterâ€based highâ€voltage direct current under unbalanced grid voltage conditions. IET Generation, Transmission and Distribution, 2016, 10, 444-451. | 2.5 | 20 |
| 93 | A distributed strategy for flexible load as Spinning Reserves in power system. , 2015, , . | | 0 |
| 94 | On static load model of variable frequency based motor drive. , 2015, , . | | 0 |
| 95 | Coordinated optimization of VSC-HVDC controller considering DC line. , 2015, , . | | 0 |
| 96 | Simulation and modeling of blended constant-frequency and variable-frequency air-conditioner. , 2015, , . | | 3 |
| 97 | An efficient multi-area networks-merging model for power system online dynamic modeling. CSEE Journal of Power and Energy Systems, 2015, 1, 37-43. | 1.1 | 8 |
| 98 | A coordinated control method to smooth short-term power fluctuations of hybrid offshore renewable energy conversion system (HORECS). , 2015, , . | | 6 |
| 99 | Quasi generalized Hamiltonian model of power systems considering the reference node under stochastic excitations. , 2015, , . | | 0 |
| 100 | Computation comparisons of power system dynamics under random excitation. , 2014, , . | | 2 |
| 101 | Determination of economic dispatch of wind farm-battery energy storage system using Genetic Algorithm. International Transactions on Electrical Energy Systems, 2014, 24, 264-280. | 1.9 | 35 |
| 102 | Equivalent modeling of wind farm in frequency domain. , 2014, , . | | 1 |
| 103 | Distinguishability analysis of controller parameters with applications to DFIG based wind turbine. Science China Technological Sciences, 2013, 56, 2465-2472. | 4.0 | 6 |
| 104 | Modeling, Control Strategy, and Power Conditioning for Direct-Drive Wave Energy Conversion to Operate With Power Grid. Proceedings of the IEEE, 2013, 101, 925-941. | 21.3 | 64 |
| 105 | Parameter estimation of drive system in a fixedâ€speed wind turbine by utilising turbulence excitations. IET Generation, Transmission and Distribution, 2013, 7, 665-673. | 2.5 | 10 |
| 106 | Study of the load reduction for hydro-generator bearing by hybrid magnetic levitation. International Journal of Applied Electromagnetics and Mechanics, 2013, 43, 215-226. | 0.6 | 11 |
| 107 | A mixed-time-scale low-Reynolds-number one-equation turbulenceÂmodel. Journal of Turbulence, 2013, 14, 55-87. | 1.4 | 1 |
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| 110 | The disturbance source identification of forced power oscillation caused by continuous cyclical load. , 2011, , . | | 18 |
| 111 | A new generalized load model of power systems and its applications. , 2011, , . | | 0 |
| 112 | Identifiability and identification of a Synthesis Load Model. Science China Technological Sciences, 2010, 53, 461-468. | 4.0 | 13 |
| 113 | Dynamic equivalent method of interconnected power systems with consideration of motor loads. Science China Technological Sciences, 2010, 53, 902-908. | 4.0 | 8 |
| 114 | Control strategy for AWS based wave energy conversion system. , 2010, , . | | 6 |
| 115 | Parameter Tuning for Wind Turbine with Doubly Fed Induction Generator Using PSO. , 2010, , . | | 4 |
| 116 | Dynamic equivalent modeling of FSIG based wind farm according to slip coherency. , 2009, , . | | 13 |
| 117 | Deterministic and probabilistic analysis of static voltage stability in power systems. , 2009, , . | | 1 |
| 118 | Optimal Control for AWS-Based Wave Energy Conversion System. IEEE Transactions on Power Systems, 2009, 24, 1747-1755. | 6.5 | 69 |
| 119 | Feasibility research on DC generator based wind power generation system. , 2009, , . | | 3 |
| 120 | Implementation of hybrid short-term load forecasting system with analysis of temperature sensitivities. Soft Computing, 2008, 12, 633-638. | 3.6 | 10 |
| 121 | Transient analysis of synchronous generator with stator winding faults based on starting process. , 2008, , . | | 2 |
| 122 | Decentralized Nonlinear Control of Wind Turbine With Doubly Fed Induction Generator. IEEE Transactions on Power Systems, 2008, 23, 613-621. | 6.5 | 111 |
| 123 | Comparisons between the Load Models with Considering Distribution Network Directly or Indirectly. , 2008, , . | | 4 |
| 124 | Load modeling in China &#x2014;Research, applications &#x00026; tendencies. , 2008, , . | | 4 |
| 125 | Evaluation of methods for measuring the insolvability of power flow. , 2008, , . | | 5 |
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| 127 | Parameter Identification of Synchronous Generator by Using Ant Colony Optimization Algorithm. , 2007, , . | | 12 |
| 128 | Composite load models based on field measurements and their applications in dynamic analysis. IET Generation, Transmission and Distribution, 2007, 1, 724. | 2.5 | 44 |
| 129 | Modeling and Control of Wind Turbine with Doubly Fed Induction Generator. , 2006, , . | | 28 |
| 130 | A real-time monitoring method for power system steady state angle stability based on WAMS. , 2005, , . | | 6 |
| 131 | Integrated diagnosis techniques of high voltage induction machine with rotor winding faults. , 2005, , . | | 1 |
| 132 | Continuation Three-Phase Power Flow: A Tool for Voltage Stability Analysis of Unbalanced Three-Phase Power Systems. IEEE Transactions on Power Systems, 2005, 20, 1320-1329. | 6.5 | 81 |
| 133 | Power transformer fault diagnosis based on extension theory. , 2005, , . | | 4 |
| 134 | Dynamic equivalents of power systems with online measurements. Part 1: theory. IET Generation, Transmission and Distribution, 2004, 151, 175. | 1.1 | 52 |
| 135 | Nonlinear dynamic load modelling: model and parameter estimation. IEEE Transactions on Power Systems, 1996, 11, 1689-1697. | 6.5 | 86 |
| 136 | Sequential parameter estimation of a simplified induction motor load model. IEEE Transactions on Power Systems, 1996, 11, 319-324. | 6.5 | 19 |
| 137 | Sequential parameter estimation of a simplified induction motor load model. , 0, , . | | 3 |
| 138 | The third-order induction motor parameter estimation using an adaptive genetic algorithm. , 0, , . | | 8 |
| 139 | On-line measurement for power angle and circuit parameter in the turbo steam generator with the FEM based. , 0, , . | | 2 |