

hongjie Jia

List of Publications by Year in descending order

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249
papers

6,449
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times ranked

4507
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Spatialâ€‘Temporal model for grid impact analysis of plug-in electric vehicles. Applied Energy, 2014, 114, 456-465. | 5.1 | 315 |
| 2 | Primary Frequency Response From Electric Vehicles in the Great Britain Power System. IEEE Transactions on Smart Grid, 2013, 4, 1142-1150. | 6.2 | 246 |
| 3 | Dynamic economic dispatch of a hybrid energy microgrid considering building based virtual energy storage system. Applied Energy, 2017, 194, 386-398. | 5.1 | 190 |
| 4 | Review of key problems related to integrated energy distribution systems. CSEE Journal of Power and Energy Systems, 2018, 4, 130-145. | 1.7 | 187 |
| 5 | Local flexibility markets: Literature review on concepts, models and clearing methods. Applied Energy, 2020, 261, 114387. | 5.1 | 182 |
| 6 | A Demand Response and Battery Storage Coordination Algorithm for Providing Microgrid Tie-Line Smoothing Services. IEEE Transactions on Sustainable Energy, 2014, 5, 476-486. | 5.9 | 159 |
| 7 | Planning of Fast EV Charging Stations on a Round Freeway. IEEE Transactions on Sustainable Energy, 2016, 7, 1452-1461. | 5.9 | 135 |
| 8 | Hierarchical microgrid energy management in an office building. Applied Energy, 2017, 208, 480-494. | 5.1 | 129 |
| 9 | Dynamic Modeling and Interaction of Hybrid Natural Gas and Electricity Supply System in Microgrid. IEEE Transactions on Power Systems, 2015, 30, 1212-1221. | 4.6 | 125 |
| 10 | Optimal day-ahead scheduling of integrated urban energy systems. Applied Energy, 2016, 180, 1-13. | 5.1 | 115 |
| 11 | A distributed Peer-to-Peer energy transaction method for diversified prosumers in Urban Community Microgrid System. Applied Energy, 2020, 260, 114327. | 5.1 | 112 |
| 12 | Hierarchical management for integrated community energy systems. Applied Energy, 2015, 160, 231-243. | 5.1 | 111 |
| 13 | Online voltage security assessment considering comfort-constrained demand response control of distributed heat pump systems. Applied Energy, 2012, 96, 104-114. | 5.1 | 108 |
| 14 | A new reliability assessment approach for integrated energy systems: Using hierarchical decoupling optimization framework and impact-increment based state enumeration method. Applied Energy, 2018, 210, 1237-1250. | 5.1 | 108 |
| 15 | Dynamic frequency response from electric vehicles considering travelling behavior in the Great Britain power system. Applied Energy, 2016, 162, 966-979. | 5.1 | 107 |
| 16 | A statistical model to determine the capacity of batteryâ€‘supercapacitor hybrid energy storage system in autonomous microgrid. International Journal of Electrical Power and Energy Systems, 2014, 54, 516-524. | 3.3 | 94 |
| 17 | Performance evaluation of controlling thermostatically controlled appliances as virtual generators using comfortâ€‘constrained stateâ€‘queueing models. IET Generation, Transmission and Distribution, 2014, 8, 591-599. | 1.4 | 86 |
| 18 | Hierarchical energy management system for multi-source multi-product microgrids. Renewable Energy, 2015, 78, 621-630. | 4.3 | 84 |

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| 19 | Coordinated control for EV aggregators and power plants in frequency regulation considering time-varying delays. Applied Energy, 2018, 210, 1363-1376. | 5.1 | 83 |
| 20 | A double-layer planning method for integrated community energy systems with varying energy conversion efficiencies. Applied Energy, 2020, 279, 115700. | 5.1 | 81 |
| 21 | Power system instability and chaos. Electric Power Systems Research, 2003, 65, 187-195. | 2.1 | 77 |
| 22 | Hierarchical market integration of responsive loads as spinning reserve. Applied Energy, 2013, 104, 229-238. | 5.1 | 77 |
| 23 | Multi-objective stochastic expansion planning based on multi-dimensional correlation scenario generation method for regional integrated energy system integrated renewable energy. Applied Energy, 2020, 276, 115395. | 5.1 | 76 |
| 24 | Integrated demand response in district electricity-heating network considering double auction retail energy market based on demand-side energy stations. Applied Energy, 2019, 248, 656-678. | 5.1 | 75 |
| 25 | A two-stage multi-objective scheduling method for integrated community energy system. Applied Energy, 2018, 216, 428-441. | 5.1 | 71 |
| 26 | Active power regulation for large-scale wind farms through an efficient power plant model of electric vehicles. Applied Energy, 2017, 185, 1673-1683. | 5.1 | 70 |
| 27 | Hierarchical Risk Assessment of Transmission System Considering the Influence of Active Distribution Network. IEEE Transactions on Power Systems, 2015, 30, 1084-1093. | 4.6 | 69 |
| 28 | A Planning-Oriented Resilience Assessment Framework for Transmission Systems Under Typhoon Disasters. IEEE Transactions on Smart Grid, 2020, 11, 5431-5441. | 6.2 | 67 |
| 29 | Energy-Storage-Based Intelligent Frequency Control of Microgrid With Stochastic Model Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 1748-1758. | 6.2 | 66 |
| 30 | Region model and application of regional integrated energy system security analysis. Applied Energy, 2020, 260, 114268. | 5.1 | 66 |
| 31 | A Continuous Time Markov Chain Based Sequential Analytical Approach for Composite Power System Reliability Assessment. IEEE Transactions on Power Systems, 2016, 31, 738-748. | 4.6 | 65 |
| 32 | A Reliability Assessment Approach for Integrated Transportation and Electrical Power Systems Incorporating Electric Vehicles. IEEE Transactions on Smart Grid, 2018, 9, 88-100. | 6.2 | 62 |
| 33 | Time-Delay Stability Analysis for Hybrid Energy Storage System With Hierarchical Control in DC Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6633-6645. | 6.2 | 62 |
| 34 | Model Predictive Control for Dual Active Bridge in Naval DC Microgrids Supplying Pulsed Power Loads Featuring Fast Transition and Online Transformer Current Minimization. IEEE Transactions on Industrial Electronics, 2020, 67, 5197-5203. | 5.2 | 62 |
| 35 | An improved voltage stability index and its application. International Journal of Electrical Power and Energy Systems, 2005, 27, 567-574. | 3.3 | 61 |
| 36 | Power system small signal stability region with time delay. International Journal of Electrical Power and Energy Systems, 2008, 30, 16-22. | 3.3 | 60 |

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| 37 | State Space Model of Aggregated Electric Vehicles for Frequency Regulation. IEEE Transactions on Smart Grid, 2020, 11, 981-994. | 6.2 | 56 |
| 38 | Probabilistic energy flow calculation for regional integrated energy system considering cross-system failures. Applied Energy, 2022, 308, 118326. | 5.1 | 52 |
| 39 | Electric Vehicle Aggregator Modeling and Control for Frequency Regulation Considering Progressive State Recovery. IEEE Transactions on Smart Grid, 2020, 11, 4176-4189. | 6.2 | 48 |
| 40 | Optimal Integration of Building Heating Loads in Integrated Heating/Electricity Community Energy Systems: A Bi-Level MPC Approach. IEEE Transactions on Sustainable Energy, 2021, 12, 1741-1754. | 5.9 | 45 |
| 41 | An Improved Fault-Tolerant Control Scheme for Cascaded H-Bridge STATCOM With Higher Attainable Balanced Line-to-Line Voltages. IEEE Transactions on Industrial Electronics, 2021, 68, 2784-2797. | 5.2 | 42 |
| 42 | Planning-Oriented resilience assessment and enhancement of integrated electricity-gas system considering multi-type natural disasters. Applied Energy, 2022, 315, 118824. | 5.1 | 42 |
| 43 | A Novel Dominant Mode Estimation Method for Analyzing Inter-Area Oscillation in China Southern Power Grid. IEEE Transactions on Smart Grid, 2016, 7, 2549-2560. | 6.2 | 41 |
| 44 | A Lagrange Multiplier Based State Enumeration Reliability Assessment for Power Systems With Multiple Types of Loads and Renewable Generations. IEEE Transactions on Power Systems, 2021, 36, 3260-3270. | 4.6 | 41 |
| 45 | Multi-stage stochastic planning of regional integrated energy system based on scenario tree path optimization under long-term multiple uncertainties. Applied Energy, 2021, 300, 117224. | 5.1 | 41 |
| 46 | Electric/thermal hybrid energy storage planning for park-level integrated energy systems with second-life battery utilization. Advances in Applied Energy, 2021, 4, 100064. | 6.6 | 40 |
| 47 | Projection Pursuit: A General Methodology of Wide-Area Coherency Detection in Bulk Power Grid. IEEE Transactions on Power Systems, 2016, 31, 2776-2786. | 4.6 | 39 |
| 48 | An Improved Grid Current and DC Capacitor Voltage Balancing Method for Three-Terminal Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2019, 10, 5876-5888. | 6.2 | 39 |
| 49 | Security region of natural gas network in electricity-gas integrated energy system. International Journal of Electrical Power and Energy Systems, 2020, 117, 105601. | 3.3 | 38 |
| 50 | A resilience assessment approach for power system from perspectives of system and component levels. International Journal of Electrical Power and Energy Systems, 2020, 118, 105837. | 3.3 | 38 |
| 51 | A Simple Approach to Determine Power System Delay Margin. IEEE Power Engineering Society General Meeting, 2007, , . | 0.0 | 35 |
| 52 | Stochastic subspace identification-based approach for tracking inter-area oscillatory modes in bulk power system utilising synchrophasor measurements. IET Generation, Transmission and Distribution, 2015, 9, 2409-2418. | 1.4 | 35 |
| 53 | Padé-Based Stability Analysis for a Modular Multilevel Converter Considering the Time Delay in the Digital Control System. IEEE Transactions on Industrial Electronics, 2019, 66, 5242-5253. | 5.2 | 35 |
| 54 | Scheduling distributed energy resources and smart buildings of a microgrid via multi-time scale and model predictive control method. IET Renewable Power Generation, 2019, 13, 816-833. | 1.7 | 34 |

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| 55 | Full-time scale resilience enhancement framework for power transmission system under ice disasters. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 126, 106609. | 3.3 | 33 |
| 56 | Study on day-ahead optimal economic operation of active distribution networks based on Kriging model assisted particle swarm optimization with constraint handling techniques. <i>Applied Energy</i> , 2017, 204, 143-162. | 5.1 | 32 |
| 57 | Peer-to-Peer energy trading strategy for energy balance service provider (EBSP) considering market elasticity in community microgrid. <i>Applied Energy</i> , 2021, 303, 117596. | 5.1 | 31 |
| 58 | Frequency response of autonomous microgrid based on family-friendly controllable loads. <i>Science China Technological Sciences</i> , 2013, 56, 693-702. | 2.0 | 28 |
| 59 | Spectral clustering-based partitioning of volt/VAR control areas in bulk power systems. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 1126-1133. | 1.4 | 28 |
| 60 | Wide-area measurement-based voltage stability sensitivity and its application in voltage control. <i>International Journal of Electrical Power and Energy Systems</i> , 2017, 88, 87-98. | 3.3 | 28 |
| 61 | Modulated Model Predictive Control for Multilevel Cascaded H-Bridge Converter-Based Static Synchronous Compensator. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 1091-1102. | 5.2 | 28 |
| 62 | Load curve smoothing strategy based on unified state model of different demand side resources. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018, 6, 540-554. | 3.3 | 27 |
| 63 | Active power regulation of wind power systems through demand response. <i>Science China Technological Sciences</i> , 2012, 55, 1667-1676. | 2.0 | 26 |
| 64 | Criterion to evaluate power system online transient stability based on adjoint system energy function. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 104-112. | 1.4 | 26 |
| 65 | A preventive control strategy for static voltage stability based on an efficient power plant model of electric vehicles. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015, 3, 103-113. | 3.3 | 25 |
| 66 | SVM Strategies for Simultaneous Common-Mode Voltage Reduction and DC Current Balancing in Parallel Current Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 8859-8871. | 5.4 | 25 |
| 67 | Time-delay stability switching boundary determination for DC microgrid clusters with the distributed control framework. <i>Applied Energy</i> , 2018, 228, 189-204. | 5.1 | 25 |
| 68 | A Novel Submodule Voltage Balancing Scheme for Modular Multilevel Cascade Converter—Double-Star Chopper-Cells (MMCC-DSCC) Based STATCOM. <i>IEEE Access</i> , 2019, 7, 83058-83073. | 2.6 | 25 |
| 69 | Reliability modeling for Integrated Community Energy System considering dynamic process of thermal loads. <i>IET Energy Systems Integration</i> , 2019, 1, 173-183. | 1.1 | 25 |
| 70 | A Novel Operation Scheme for Modular Multilevel Converter With Enhanced Ride-Through Capability of Submodule Faults. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 1258-1268. | 3.7 | 25 |
| 71 | Bi-Level Optimization Framework for Buildings to Heating Grid Integration in Integrated Community Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 860-873. | 5.9 | 25 |
| 72 | Decentralized optimal scheduling for integrated community energy system via consensus-based alternating direction method of multipliers. <i>Applied Energy</i> , 2021, 302, 117448. | 5.1 | 24 |

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| 73 | Dynamic frequency response from electric vehicles in the Great Britain power system. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015, 3, 203-211. | 3.3 | 23 |
| 74 | Alleviation of overloads in transmission network: A multi-level framework using the capability from active distribution network. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 112, 232-251. | 3.3 | 23 |
| 75 | Optimal scheduling method for belt conveyor system in coal mine considering silo virtual energy storage. <i>Applied Energy</i> , 2020, 275, 115368. | 5.1 | 23 |
| 76 | Power system operation risk analysis considering charging load self-management of plug-in hybrid electric vehicles. <i>Applied Energy</i> , 2014, 136, 662-670. | 5.1 | 22 |
| 77 | Modular multilevel converter based multi-terminal hybrid AC/DC microgrid with improved energy control method. <i>Applied Energy</i> , 2021, 282, 116154. | 5.1 | 22 |
| 78 | A Dual-Layer Back-Stepping Control Method for Lyapunov Stability in Modular Multilevel Converter Based STATCOM. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 2166-2179. | 5.2 | 22 |
| 79 | Identification of voltage stability critical injection region in bulk power systems based on the relative gain of voltage coupling. <i>IET Generation, Transmission and Distribution</i> , 2016, 10, 1495-1503. | 1.4 | 21 |
| 80 | Hierarchical and distributed demand response control strategy for thermostatically controlled appliances in smart grid. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017, 5, 30-42. | 3.3 | 21 |
| 81 | Effective method to determine time delay stability margin and its application to power systems. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 1661-1670. | 1.4 | 21 |
| 82 | Integrated optimal scheduling and predictive control for energy management of an urban complex considering building thermal dynamics. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 123, 106273. | 3.3 | 21 |
| 83 | An Incremental Reliability Assessment Approach for Transmission Expansion Planning. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 2597-2609. | 4.6 | 19 |
| 84 | Data-Driven Dynamic Modeling of Coupled Thermal and Electric Outputs of Microturbines. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 1387-1396. | 6.2 | 19 |
| 85 | Impact increment based decoupled reliability assessment approach for composite generation and transmission systems. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 586-595. | 1.4 | 19 |
| 86 | Techno-Economic Evaluation of Mixed AC and DC Power Distribution Network for Integrating Large-Scale Photovoltaic Power Generation. <i>IEEE Access</i> , 2019, 7, 105019-105029. | 2.6 | 19 |
| 87 | Coordinated Flexible Damping Mechanism With Inertia Emulation Capability for MMC-MTDC Transmission Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 7329-7342. | 3.7 | 19 |
| 88 | An approach to determining the local boundaries of voltage stability region with wind farms in power injection space. <i>Science China Technological Sciences</i> , 2010, 53, 3232-3240. | 2.0 | 18 |
| 89 | Mode matching pursuit for estimating dominant modes in bulk power grid. <i>IET Generation, Transmission and Distribution</i> , 2014, 8, 1677-1686. | 1.4 | 18 |
| 90 | A Fault-Tolerant Operation Approach for Grid-Tied Five-Phase Current-Source Converters With One-Phase Supplying Wire Broken. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 6200-6218. | 5.4 | 18 |

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| 91 | An eigensystem realization algorithm based data-driven approach for extracting electromechanical oscillation dynamic patterns from synchrophasor measurements in bulk power grids. International Journal of Electrical Power and Energy Systems, 2020, 116, 105549. | 3.3 | 18 |
| 92 | Online Rolling Evolutionary Decoder-Dispatch Framework for the Secondary Frequency Regulation of Time-Varying Electrical-Grid-Electric-Vehicle System. IEEE Transactions on Smart Grid, 2021, 12, 871-884. | 6.2 | 18 |
| 93 | Distorted Stability Space and Instability Triggering Mechanism of EV Aggregation Delays in the Secondary Frequency Regulation of Electrical Grid-Electric Vehicle System. IEEE Transactions on Smart Grid, 2020, 11, 5084-5098. | 6.2 | 17 |
| 94 | A Novel Sliding-Discrete-Control-Set Modulated Model Predictive Control for Modular Multilevel Converter. IEEE Access, 2021, 9, 10316-10327. | 2.6 | 17 |
| 95 | A Novel Detection and Localization Approach of Open-Circuit Switch Fault for the Grid-Connected Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2023, 70, 112-124. | 5.2 | 17 |
| 96 | Visualization of voltage stability region of bulk power system. , 0, , . | | 16 |
| 97 | Estimating inter-area dominant oscillation mode in bulk power grid using multi-channel continuous wavelet transform. Journal of Modern Power Systems and Clean Energy, 2016, 4, 394-405. | 3.3 | 16 |
| 98 | Synchrophasor measurement-based correlation approach for dominant mode identification in bulk power systems. IET Generation, Transmission and Distribution, 2016, 10, 2710-2719. | 1.4 | 15 |
| 99 | Assessment of the solar energy accommodation capability of the district integrated energy systems considering the transmission delay of the heating network. International Journal of Electrical Power and Energy Systems, 2021, 130, 106821. | 3.3 | 15 |
| 100 | Development of a New Tool for Dynamic Security Assessment Using Dynamic Security Region. , 2006, , . | | 14 |
| 101 | Maximum entropy based probabilistic load flow calculation for power system integrated with wind power generation. Journal of Modern Power Systems and Clean Energy, 2018, 6, 1042-1054. | 3.3 | 14 |
| 102 | Reliability Assessment of Power Systems with High Renewable Energy Penetration Using Shadow Price and Impact Increment Methods. Frontiers in Energy Research, 2021, 9, . | 1.2 | 14 |
| 103 | A novel LMI criterion for power system stability with multiple time-delays. Science China Technological Sciences, 2014, 57, 1392-1400. | 2.0 | 13 |
| 104 | Multichannel continuous wavelet transform approach to estimate electromechanical oscillation modes, mode shapes and coherent groups from synchrophasors in bulk power grids. International Journal of Electrical Power and Energy Systems, 2018, 96, 222-237. | 3.3 | 13 |
| 105 | A Study on Performance Characterization Considering Six-Degree-of-Freedom Vibration Stress and Aging Stress for Electric Vehicle Battery Under Driving Conditions. IEEE Access, 2019, 7, 112180-112190. | 2.6 | 13 |
| 106 | Spectrum-domain stability assessment and intrinsic oscillation for aggregated mobile energy storage in grid frequency regulation. Applied Energy, 2020, 276, 115434. | 5.1 | 13 |
| 107 | Integrated Configuration and Optimization of Electric Vehicle Aggregators for Charging Facilities in Power Networks With Renewables. IEEE Access, 2019, 7, 84690-84700. | 2.6 | 12 |
| 108 | Prospects of key technologies of integrated energy systems for rural electrification in China. Global Energy Interconnection, 2021, 4, 3-17. | 1.4 | 12 |

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| 109 | Impact of the exciter voltage limit to small signal stability region of a three-bus power system. International Journal of Electrical Power and Energy Systems, 2011, 33, 1598-1607. | 3.3 | 11 |
| 110 | CTDAE & CTODE models and their applications to power system stability analysis with time delays. Science China Technological Sciences, 2013, 56, 1213-1223. | 2.0 | 11 |
| 111 | DC Microgrid Stability Analysis Considering Time Delay in the Distributed Control. Energy Procedia, 2017, 142, 2126-2131. | 1.8 | 11 |
| 112 | Probability-Based Energy Reinforced Management of Electric Vehicle Aggregation in the Electrical Grid Frequency Regulation. IEEE Access, 2020, 8, 110598-110610. | 2.6 | 11 |
| 113 | Optimal scheduling approach for a combined cooling, heating and power building microgrid considering virtual storage system. , 2016, , . | | 10 |
| 114 | Stochastic Scheduling of Integrated Energy Systems Considering Wind Power and Multienergy Loads Uncertainties. Journal of Energy Engineering - ASCE, 2017, 143, . | 1.0 | 10 |
| 115 | Identification of microturbine model for long-term dynamic analysis of distribution networks. Applied Energy, 2017, 192, 305-314. | 5.1 | 10 |
| 116 | An Incremental-Variable-Based State Enumeration Method for Power System Operational Risk Assessment Considering Safety Margin. IEEE Access, 2020, 8, 18693-18702. | 2.6 | 10 |
| 117 | Hierarchical Operation Management of Electric Vehicles for Depots With PV On-Site Generation. IEEE Transactions on Smart Grid, 2022, 13, 641-653. | 6.2 | 10 |
| 118 | A fast optimal load shedding method for power system reliability assessment based on shadow price theory. Energy Reports, 2022, 8, 352-360. | 2.5 | 10 |
| 119 | Data-driven power system reliability evaluation based on stacked denoising auto-encoders. Energy Reports, 2022, 8, 920-927. | 2.5 | 10 |
| 120 | Real-time wide-area loading margin sensitivity (WALMS) in power systems. , 2015, , . | | 9 |
| 121 | Partition–composition method for online detection of interconnected power system transient stability. IET Generation, Transmission and Distribution, 2016, 10, 3529-3538. | 1.4 | 9 |
| 122 | Novel modular multilevel converter-based five-terminal MV/LV hybrid AC/DC microgrids with improved operation capability under unbalanced power distribution. Applied Energy, 2022, 306, 118140. | 5.1 | 9 |
| 123 | Decoupled Control Scheme for THD Reduction and One Specific Harmonic Elimination in the Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2023, 70, 99-111. | 5.2 | 9 |
| 124 | Cutset-angle based wide area thermal security region and its application in China Southern Power Grid. International Transactions on Electrical Energy Systems, 2014, 24, 1600-1617. | 1.2 | 8 |
| 125 | Performance Evaluation of a Hydrogen-Based Clean Energy Hub with Electrolyzers as a Self-Regulating Demand Response Management Mechanism. Energies, 2017, 10, 1211. | 1.6 | 8 |
| 126 | Discrete Spectrum Iteration Based Comprehensive Stability Assessment Method for the Delayed Cyber-Physical System With Electric-Vehicle Frequency Regulation. IEEE Access, 2020, 8, 137209-137225. | 2.6 | 8 |

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| 127 | An improved power regulation method for a three-terminal hybrid AC/DC microgrid during module failure. International Journal of Electrical Power and Energy Systems, 2020, 123, 106330. | 3.3 | 8 |
| 128 | Congestion management under peer-to-peer energy trading scheme among microgrids through cooperative game. Energy Reports, 2022, 8, 59-66. | 2.5 | 8 |
| 129 | A scenario-based optimal dispatch for joint operation of wind farms and combined heat and power plants considering energy flexibilities in heating networks. Electric Power Systems Research, 2022, 204, 107683. | 2.1 | 8 |
| 130 | A study on boundary of small disturbance stability region. , 0, , . | | 7 |
| 131 | Theoretical explanation of hyper-plane boundary of dynamic security region. , 0, , . | | 7 |
| 132 | Study on the Impact of Time Delay to Power System Small Signal Stability. , 0, , . | | 7 |
| 133 | Impact of the Exciter Voltage Limit to Power System Small Signal Stability Region. IEEE Power Engineering Society General Meeting, 2007, , . | 0.0 | 7 |
| 134 | Study on power system extended small signal stability region (DE-SSSR) in time delay space. , 2010, , . | | 7 |
| 135 | Research on a new voltage control strategy for photovoltaic grid-connected system. , 2011, , . | | 7 |
| 136 | A quantified resilience assessment approach for electrical power systems considering multiple transmission line outages. , 2017, , . | | 7 |
| 137 | Frequency Control Ancillary Service Provided by Efficient Power Plants Integrated in Queuing-Controlled Domestic Water Heaters. Energies, 2017, 10, 559. | 1.6 | 7 |
| 138 | A Kriging Model Based Optimization of Active Distribution Networks Considering Loss Reduction and Voltage Profile Improvement. Energies, 2017, 10, 2162. | 1.6 | 7 |
| 139 | An efficient power plant model of electric vehicles considering the travel behaviors of EV users. , 2014, , . | | 6 |
| 140 | A multi-level service restoration strategy of distribution network considering microgrids and electric vehicles. , 2014, , . | | 6 |
| 141 | Composite generation and transmission system reliability assessment using impact increment-based state enumeration method. , 2016, , . | | 6 |
| 142 | Spatialâ€temporal decomposition approach for systematically tracking dominant modes, mode shapes and coherent groups in power systems. IET Generation, Transmission and Distribution, 2017, 11, 1889-1900. | 1.4 | 6 |
| 143 | Current balancing control for multi-port hybrid AC/DC microgrid. , 2017, , . | | 6 |
| 144 | QV interaction evaluation and pilot voltageâ€reactive power coupling area partitioning in bulk power systems. IET Science, Measurement and Technology, 2017, 11, 270-278. | 0.9 | 6 |

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| 145 | Estimating electromechanical oscillation modes from synchrophasor measurements in China Southern Power Grid. <i>Electric Power Systems Research</i> , 2018, 161, 212-223. | 2.1 | 6 |
| 146 | Estimating electromechanical oscillation modes from synchrophasor measurements in bulk power grids using FSSI. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 2347-2358. | 1.4 | 6 |
| 147 | Research on Modeling and Hierarchical Scheduling of a Generalized Multi-Source Energy Storage System in an Integrated Energy Distribution System. <i>Energies</i> , 2019, 12, 246. | 1.6 | 6 |
| 148 | Coordinated Flexibility Scheduling for Urban Integrated Heat and Power Systems by Considering the Temperature Dynamics of Heating Network. <i>Energies</i> , 2020, 13, 3273. | 1.6 | 6 |
| 149 | Framework Integrating Lossy Compression and Perturbation for the Case of Smart Meter Privacy. <i>Electronics (Switzerland)</i> , 2020, 9, 465. | 1.8 | 6 |
| 150 | Multi-step ahead thermal warning network for energy storage system based on the core temperature detection. <i>Scientific Reports</i> , 2021, 11, 15332. | 1.6 | 6 |
| 151 | A volt-var optimal control for power system integrated with wind farms considering the available reactive power from EV chargers. , 2016, , . | | 5 |
| 152 | An Optimal Scheduling Model for a Hybrid Energy Microgrid Considering Building Based Virtual Energy Storage System. <i>Energy Procedia</i> , 2016, 88, 375-381. | 1.8 | 5 |
| 153 | A Robust Assessment Model of the Solar Electrical-Thermal Energy Comprehensive Accommodation Capability in a District Integrated Energy System. <i>Energies</i> , 2019, 12, 1363. | 1.6 | 5 |
| 154 | Modelling and stability assessment of the MMCâ€”HVDC energy interconnected system with the cyber delay of communication network. <i>IET Energy Systems Integration</i> , 2021, 3, 86-98. | 1.1 | 5 |
| 155 | Multi-objective Optimal Control Based on Practical Security Region of Regional Integrated Energy System. , 2020, , . | | 5 |
| 156 | Multi-scene upgrade and renovation method of existing park-level integrated energy system based on comprehensive analysis. <i>Energy Conversion and Economics</i> , 2020, 1, 184-197. | 1.9 | 5 |
| 157 | Coordinated operational planning for electric vehicles considering battery swapping and real road networks in logistics delivery service. <i>Energy Reports</i> , 2022, 8, 1019-1027. | 2.5 | 5 |
| 158 | A Novel Fault-Tolerant Operation Approach for the Modular Multilevel Converter-Based STATCOM With the Enhanced Operation Capability. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 5541-5552. | 3.7 | 5 |
| 159 | Topological characteristic studies on power system small signal stability region. , 2006, , . | | 4 |
| 160 | Development of Power System Voltage Stability Region (PSVSR) for Static Voltage Security Assessment. , 2006, , . | | 4 |
| 161 | STATCOM impact on small signal stability of wind farm integration. , 2012, , . | | 4 |
| 162 | Dynamic frequency control of autonomous microgrid based on family-friendly controllable loads. , 2013, , . | | 4 |

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| 163 | Voltage stability enhancement using thermostatically controlled appliances as a comfort-constrained virtual generator. <i>International Transactions on Electrical Energy Systems</i> , 2015, 25, 3509-3522. | 1.2 | 4 |
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