

Xi Chen

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,422
citations

516710

16
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

1509
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Novel Linearized Power Flow and Linearized OPF Models for Active Distribution Networks With Application in Distribution LMP. IEEE Transactions on Smart Grid, 2018, 9, 438-448. | 9.0 | 253 |
| 2 | Recognition and Vulnerability Analysis of Key Nodes in Power Grid Based on Complex Network Centrality. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 346-350. | 3.0 | 159 |
| 3 | A cooperative game approach for coordinating multi-microgrid operation within distribution systems. Applied Energy, 2018, 222, 383-395. | 10.1 | 145 |
| 4 | A Monte Carlo Simulation Approach to Evaluate Service Capacities of EV Charging and Battery Swapping Stations. IEEE Transactions on Industrial Informatics, 2018, 14, 3914-3923. | 11.3 | 123 |
| 5 | Coordinated Bidding Strategy of Wind Farms and Power-to-Gas Facilities Using a Cooperative Game Approach. IEEE Transactions on Sustainable Energy, 2020, 11, 2545-2555. | 8.8 | 96 |
| 6 | Optimal Robustness in Power Grids From a Network Science Perspective. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 126-130. | 3.0 | 64 |
| 7 | Event-Trigger Heterogeneous Nonlinear Filter for Wide-Area Measurement Systems in Power Grid. IEEE Transactions on Smart Grid, 2019, 10, 2752-2764. | 9.0 | 55 |
| 8 | Wide Design Range of Constant Output Current Using Double-Sided LC Compensation Circuits for Inductive-Power-Transfer Applications. IEEE Transactions on Power Electronics, 2019, 34, 2364-2374. | 7.9 | 50 |
| 9 | Tri-Level Scheduling Model Considering Residential Demand Flexibility of Aggregated HVACs and EVs Under Distribution LMP. IEEE Transactions on Smart Grid, 2021, 12, 3990-4002. | 9.0 | 47 |
| 10 | SDN-Based Handover Authentication Scheme for Mobile Edge Computing in Cyber-Physical Systems. IEEE Internet of Things Journal, 2019, 6, 8692-8701. | 8.7 | 44 |
| 11 | Profit Maximization for Plug-In Electric Taxi With Uncertain Future Electricity Prices. IEEE Transactions on Power Systems, 2014, 29, 3058-3068. | 6.5 | 40 |
| 12 | Stochastic Event-Triggered Cubature Kalman Filter for Power System Dynamic State Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1552-1556. | 3.0 | 38 |
| 13 | Blockchain-Based Electric Vehicle Incentive System for Renewable Energy Consumption. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 396-400. | 3.0 | 38 |
| 14 | Sequential Recovery of Complex Networks Suffering From Cascading Failure Blackouts. IEEE Transactions on Network Science and Engineering, 2020, 7, 2997-3007. | 6.4 | 33 |
| 15 | Impedance Modeling and Controllers Shaping Effect Analysis of PMSG Wind Turbines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1465-1478. | 5.4 | 30 |
| 16 | Multimicrogrid Load Balancing Through EV Charging Networks. IEEE Internet of Things Journal, 2022, 9, 5019-5026. | 8.7 | 30 |
| 17 | Exploration of Graph Computing in Power System State Estimation. , 2018, , . | | 25 |
| 18 | Deep Learning Based Model-Free Robust Load Restoration to Enhance Bulk System Resilience With Wind Power Penetration. IEEE Transactions on Power Systems, 2022, 37, 1969-1978. | 6.5 | 19 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Batch-Assisted Verification Scheme for Reducing Message Verification Delay of the Vehicular Ad Hoc Networks. IEEE Internet of Things Journal, 2020, 7, 8144-8156. | 8.7 | 15 |
| 20 | Enabling Extreme Fast Charging Technology for Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 466-470. | 8.0 | 15 |
| 21 | An Adaptive Dual Prediction Scheme Based on Edge Intelligence. IEEE Internet of Things Journal, 2020, 7, 9481-9493. | 8.7 | 12 |
| 22 | Impedance Modeling of DFIG Wind Farms With Various Rotor Speeds and Frequency Coupling. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 406-410. | 3.0 | 12 |
| 23 | Economic Power Capacity Design of Distributed Energy Resources for Reliable Community Microgrids. Energy Procedia, 2017, 142, 2561-2567. | 1.8 | 11 |
| 24 | Design of a Double-Sided LLC-Compensated Capacitive Power Transfer System With Predesigned Coupler Plate Voltage Stresses. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 128-137. | 5.4 | 11 |
| 25 | Stochastic Modeling and Analysis of Public Electric Vehicle Fleet Charging Station Operations. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9252-9265. | 8.0 | 11 |
| 26 | Evolving Graph Based Power System EMS Real Time Analysis Framework. , 2018, , . | | 10 |
| 27 | A High-Performance Energy Management System Based on Evolving Graph. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 350-354. | 3.0 | 9 |
| 28 | An Electric Vehicle Battery-Swapping System: Concept, Architectures, and Implementations. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 175-194. | 3.8 | 9 |
| 29 | A Graphical Game Approach to Electrical Vehicle Charging Scheduling: Correlated Equilibrium and Latency Minimization. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 505-517. | 8.0 | 6 |
| 30 | Mixed Numerology Interference Recognition Approach for 5G NR. IEEE Wireless Communications Letters, 2021, 10, 2135-2139. | 5.0 | 5 |
| 31 | The Proactive Defense of Energy Internet Terminals Edge-Access Using the Network Topology Autoassociation. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 432-446. | 3.6 | 4 |
| 32 | Vulnerability analysis of cyber physical systems under the false alarm cyber attacks. Physica A: Statistical Mechanics and Its Applications, 2022, 599, 127416. | 2.6 | 3 |
| 33 | Stochastic Workflow Authorizations with Queuing Constraints. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1. | 5.4 | 0 |
| 34 | Game Theoretic Approach to Extreme Fast Charging Location. , 2021, , . | | 0 |