

Xiaohua Wu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

350
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1307594

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26
all docs

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docs citations

26
times ranked

474
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | State of Charge Estimation of Lithium-Ion Batteries Using a Discrete-Time Nonlinear Observer. IEEE Transactions on Industrial Electronics, 2017, 64, 8557-8565. | 7.9 | 101 |
| 2 | A Novel Bidirectional Solid-State Circuit Breaker for DC Microgrid. IEEE Transactions on Industrial Electronics, 2019, 66, 5707-5714. | 7.9 | 86 |
| 3 | A Novel Assorted Nonlinear Stabilizer for DC-DC Multilevel Boost Converter With Constant Power Load in DC Microgrid. IEEE Transactions on Power Electronics, 2020, 35, 11181-11192. | 7.9 | 56 |
| 4 | Suppression of Switching Crosstalk and Voltage Oscillations in a SiC MOSFET Based Half-Bridge Converter. Energies, 2018, 11, 3111. | 3.1 | 27 |
| 5 | An Autonomous Control Scheme of Global Smooth Transitions for Bidirectional DC-DC Converter in DC Microgrid. IEEE Transactions on Energy Conversion, 2021, 36, 950-960. | 5.2 | 20 |
| 6 | Non-Linear Behavioral Modeling for DC-DC Converters and Dynamic Analysis of Distributed Energy Systems. Energies, 2017, 10, 63. | 3.1 | 11 |
| 7 | Discriminant sparse and collaborative preserving embedding for bearing fault diagnosis. Neurocomputing, 2018, 313, 259-270. | 5.9 | 9 |
| 8 | A Novel Methodology for Estimating State-Of-Charge of Li-Ion Batteries Using Advanced Parameters Estimation. Energies, 2017, 10, 1751. | 3.1 | 7 |
| 9 | A Quasi-Multilevel Gate Driver for Fast Switching and Crosstalk Suppression of SiC Devices. IEEE Access, 2020, 8, 191403-191412. | 4.2 | 7 |
| 10 | Distributed Dynamic Event-Triggered Power Management Strategy for Global Economic Operation in High-Power Hybrid AC/DC Microgrids. IEEE Transactions on Sustainable Energy, 2022, 13, 1830-1842. | 8.8 | 5 |
| 11 | Local-Dictionary Sparsity Discriminant Preserving Projections for Rotating Machinery Fault Diagnosis Based on Pre-Selected Multi-Domain Features. IEEE Sensors Journal, 2022, 22, 8781-8794. | 4.7 | 4 |
| 12 | Design of wireless energy transfer system based on coupled magnetic resonances. , 2016, , . | | 3 |
| 13 | Modeling and analysis of coexisting slow-and fast-scale instabilities in current-mode PI-controlled H-bridge inverter. , 2018, , . | | 3 |
| 14 | Stability Condition and Numerical Dispersion of Fourth-Order Compact Precise-Integration Time-Domain Method. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 2.1 | 2 |
| 15 | Simplified Small-Signal Discrete-Time Modeling Approach for Digital-Controlled PWM Converters. , 2019, , . | | 2 |
| 16 | Joint Sparsity and Collaboration Preserving Projections for Rotating Electrical Machinery Fault Diagnosis. IEEE Access, 2020, 8, 189842-189854. | 4.2 | 2 |
| 17 | An Efficient Regional Sensitivity Analysis Method Based on Failure Probability with Hybrid Uncertainty. Energies, 2018, 11, 1684. | 3.1 | 1 |
| 18 | Constant On-Time Variable Frequency Control for a Novel Switched-Capacitor Converter. , 2018, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Power Electronic Transformer based DC Network for Household Applications. , 2019, , . | | 1 |
| 20 | Small-Signal Discrete-Time Modeling and Stability Analysis of Digital-Controlled DC-AC Converter with Symmetric PWM. , 2019, , . | | 1 |
| 21 | Variable Gate Voltage Driving Circuits for Mitigation of Coupling Noise in Silicon Carbide MOSFET. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6761-6772. | 5.4 | 1 |
| 22 | A discrete-time nonlinear observer for state of charge estimation of lithium-ion batteries. , 2016, , . | | 0 |
| 23 | Analysis of Nonlinear Variable Frequency Control for Dual-Input Switched-Capacitor Networks Converter. , 2018, , . | | 0 |
| 24 | Elastic Net Representation-based Projections for Bearing Fault Classification. , 2018, , . | | 0 |
| 25 | Nonlinear Variable Frequency Control for a Novel Step-Down Switched-Capacitor Converter. , 2018, , . | | 0 |
| 26 | Simplified discrete-time modeling and dynamic characteristics analysis of PI-controlled voltage source inverter. , 2018, , . | | 0 |