

Xiangning He

List of Publications by Year in descending order

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430
papers

14,897
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430
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9335
citing authors

| # | ARTICLE | IF | CITATIONS |
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| 1 | Review of Nonisolated High-Step-Up DC/DC Converters in Photovoltaic Grid-Connected Applications. IEEE Transactions on Industrial Electronics, 2011, 58, 1239-1250. | 5.2 | 1,102 |
| 2 | A review of multi criteria decision making (MCDM) towards sustainable renewable energy development. Renewable and Sustainable Energy Reviews, 2017, 69, 596-609. | 8.2 | 1,038 |
| 3 | Topology Review and Derivation Methodology of Single-Phase Transformerless Photovoltaic Inverters for Leakage Current Suppression. IEEE Transactions on Industrial Electronics, 2015, 62, 4537-4551. | 5.2 | 502 |
| 4 | Improved Transformerless Inverter With Common-Mode Leakage Current Elimination for a Photovoltaic Grid-Connected Power System. IEEE Transactions on Power Electronics, 2012, 27, 752-762. | 5.4 | 498 |
| 5 | New Sliding-Mode Observer for Position Sensorless Control of Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2013, 60, 710-719. | 5.2 | 459 |
| 6 | Design and Analysis of a Grid-Connected Photovoltaic Power System. IEEE Transactions on Power Electronics, 2010, 25, 992-1000. | 5.4 | 421 |
| 7 | Mode-Adaptive Decentralized Control for Renewable DC Microgrid With Enhanced Reliability and Flexibility. IEEE Transactions on Power Electronics, 2014, 29, 5072-5080. | 5.4 | 390 |
| 8 | Transformerless Inverter With Virtual DC Bus Concept for Cost-Effective Grid-Connected PV Power Systems. IEEE Transactions on Power Electronics, 2013, 28, 793-805. | 5.4 | 271 |
| 9 | Interleaved Converter With Voltage Multiplier Cell for High Step-Up and High-Efficiency Conversion. IEEE Transactions on Power Electronics, 2010, 25, 2397-2408. | 5.4 | 222 |
| 10 | Frequency-Coordinating Virtual Impedance for Autonomous Power Management of DC Microgrid. IEEE Transactions on Power Electronics, 2015, 30, 2328-2337. | 5.4 | 202 |
| 11 | A Novel Direct Torque Control Scheme for a Sensorless Five-Phase Induction Motor Drive. IEEE Transactions on Industrial Electronics, 2011, 58, 503-513. | 5.2 | 166 |
| 12 | Wireless Power and Data Transfer via a Common Inductive Link Using Frequency Division Multiplexing. IEEE Transactions on Industrial Electronics, 2015, 62, 7810-7820. | 5.2 | 165 |
| 13 | A Multilevel Converter Topology With Fault-Tolerant Ability. IEEE Transactions on Power Electronics, 2005, 20, 405-415. | 5.4 | 151 |
| 14 | Soft Switching Circuit for Interleaved Boost Converters. IEEE Transactions on Power Electronics, 2007, 22, 80-86. | 5.4 | 151 |
| 15 | High Step-Up Interleaved Converter With Built-In Transformer Voltage Multiplier Cells for Sustainable Energy Applications. IEEE Transactions on Power Electronics, 2014, 29, 2829-2836. | 5.4 | 151 |
| 16 | Single-Phase Improved Active Clamp Coupled-Inductor-Based Converter With Extended Voltage Doubler Cell. IEEE Transactions on Power Electronics, 2012, 27, 2869-2878. | 5.4 | 148 |
| 17 | Interleaved High Step-Up ZVT Converter With Built-In Transformer Voltage Doubler Cell for Distributed PV Generation System. IEEE Transactions on Power Electronics, 2013, 28, 300-313. | 5.4 | 148 |
| 18 | Single-Switch High Step-Up Converters With Built-In Transformer Voltage Multiplier Cell. IEEE Transactions on Power Electronics, 2012, 27, 3557-3567. | 5.4 | 139 |

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| 19 | Voltage unbalance and harmonics compensation for islanded microgrid inverters. IET Power Electronics, 2014, 7, 1055-1063. | 1.5 | 138 |
| 20 | High-Step-Up and High-Efficiency Fuel-Cell Power-Generation System With Active-Clamp Flyback-Forward Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 599-610. | 5.2 | 135 |
| 21 | Junction Temperature Extraction Approach with Turn-off Delay Time for High-voltage High-Power IGBT Modules. IEEE Transactions on Power Electronics, 2015, , 1-1. | 5.4 | 131 |
| 22 | A Family of Interleaved DC-DC Converters Deduced From a Basic Cell With Winding-Cross-Coupled Inductors (WCCIs) for High Step-Up or Step-Down Conversions. IEEE Transactions on Power Electronics, 2008, 23, 1791-1801. | 5.4 | 129 |
| 23 | Single-Stage Single-Phase High-Step-Up ZVT Boost Converter for Fuel-Cell Microgrid System. IEEE Transactions on Power Electronics, 2010, 25, 3057-3065. | 5.4 | 125 |
| 24 | An Interleaved Winding-Coupled Boost Converter With Passive Lossless Clamp Circuits. IEEE Transactions on Power Electronics, 2007, 22, 1499-1507. | 5.4 | 124 |
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| 26 | Common-Duty-Ratio Control of Input-Series Output-Parallel Connected Phase-shift Full-Bridge DC-DC Converter Modules. IEEE Transactions on Power Electronics, 2011, 26, 3318-3329. | 5.4 | 116 |
| 27 | PWM Plus Phase Angle Shift (PPAS) Control Scheme for Combined Multiport DC/DC Converters. IEEE Transactions on Power Electronics, 2012, 27, 1479-1489. | 5.4 | 111 |
| 28 | General Derivation Law of Nonisolated High-Step-Up Interleaved Converters With Built-In Transformer. IEEE Transactions on Industrial Electronics, 2012, 59, 1650-1661. | 5.2 | 109 |
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| 31 | Integrated assessment of a sustainable microgrid for a remote village in hilly region. Energy Conversion and Management, 2019, 180, 442-472. | 4.4 | 99 |
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| 37 | Research on Hybrid-Clamped Multilevel-Inverter Topologies. IEEE Transactions on Industrial Electronics, 2006, 53, 1898-1907. | 5.2 | 90 |
| 38 | Design and Analysis of Isolated ZVT Boost Converters for High-Efficiency and High-Step-Up Applications. IEEE Transactions on Power Electronics, 2007, 22, 2363-2374. | 5.4 | 90 |
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| 43 | Enhanced Power Flow Control for Grid-Connected Droop-Controlled Inverters With Improved Stability. IEEE Transactions on Industrial Electronics, 2017, 64, 5919-5929. | 5.2 | 84 |
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| 49 | Ultracapacitor-Battery Hybrid Energy Storage System Based on the Asymmetric Bidirectional Z -Source Topology for EV. IEEE Transactions on Power Electronics, 2016, 31, 7489-7498. | 5.4 | 77 |
| 50 | Discontinuous Space Vector PWM Strategy of Neutral-Point-Clamped Three-Level Inverters for Output Current Ripple Reduction. IEEE Transactions on Power Electronics, 2017, 32, 5109-5121. | 5.4 | 77 |
| 51 | Secondary-Side Phase-Shift-Controlled ZVS DC/DC Converter With Wide Voltage Gain for High Input Voltage Applications. IEEE Transactions on Power Electronics, 2013, 28, 5128-5139. | 5.4 | 75 |
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| 56 | Decoupling-Controlled Triport Compositied DC/DC Converter for Multiple Energy Interface. IEEE Transactions on Industrial Electronics, 2015, 62, 4504-4513. | 5.2 | 69 |
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| 59 | Nature of power electronics and integration of power conversion with communication for talkative power. Nature Communications, 2020, 11, 2479. | 5.8 | 69 |
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| 80 | Improved Virtual Vector Control of Single-Phase Inverter Based on Unified Model. IEEE Transactions on Energy Conversion, 2014, 29, 611-618. | 3.7 | 47 |
| 81 | Three-phase interleaved high-step-up converter with coupled-inductor-based voltage quadrupler. IET Power Electronics, 2014, 7, 1841-1849. | 1.5 | 47 |
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| 84 | Modular Multilevel DC/DC Converters With Phase-Shift Control Scheme for High-Voltage DC-Based Systems. IEEE Transactions on Power Electronics, 2015, 30, 99-107. | 5.4 | 45 |
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| 92 | Three-Level Forward Flyback Phase-Shift ZVS Converter With Integrated Series-Connected Coupled Inductors. IEEE Transactions on Power Electronics, 2012, 27, 2846-2856. | 5.4 | 40 |
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| 99 | Online High-Power P-i-N Diode Chip Temperature Extraction and Prediction Method With Maximum Recovery Current. IEEE Transactions on Power Electronics, 2015, 30, 2395-2404. | 5.4 | 35 |
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| 134 | Capacitor Voltage Balance Control of Hybrid Modular Multilevel Converters With Second- Order Circulating Current Injection. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 157-167. | 3.7 | 23 |
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