

Mojtaba Forouzesh

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,469
citations

840776

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1281871

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docs citations

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times ranked

1625
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Step-Up DC-DC Converters: A Comprehensive Review of Voltage-Boosting Techniques, Topologies, and Applications. IEEE Transactions on Power Electronics, 2017, 32, 9143-9178. | 7.9 | 1,348 |
| 2 | High-Efficiency High Step-Up DC-DC Converter With Dual Coupled Inductors for Grid-Connected Photovoltaic Systems. IEEE Transactions on Power Electronics, 2018, 33, 5967-5982. | 7.9 | 323 |
| 3 | Transformerless Inverter Topologies for Single-Phase Photovoltaic Systems: A Comparative Review. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 805-835. | 5.4 | 248 |
| 4 | Single-switch high step-up converter based on coupled inductor and switched capacitor techniques with quasi-resonant operation. IET Power Electronics, 2017, 10, 240-250. | 2.1 | 94 |
| 5 | Galvanically isolated high gain Y-source DC-DC converters for dispersed power generation. IET Power Electronics, 2016, 9, 1192-1203. | 2.1 | 77 |
| 6 | Switched Capacitor Integrated $(2n + 1)$ -Level Step-Up Single-Phase Inverter. IEEE Transactions on Power Electronics, 2020, 35, 8248-8260. | 7.9 | 75 |
| 7 | Switched-Capacitor Multilevel Inverters: A Comprehensive Review. IEEE Transactions on Power Electronics, 2022, 37, 11209-11243. | 7.9 | 71 |
| 8 | A New High-Gain, High-Efficiency SEPIC-Based DC-DC Converter for Renewable Energy Applications. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 567-578. | 3.9 | 42 |
| 9 | A Novel Full Soft-Switching High-Gain DC/DC Converter Based on Three-Winding Coupled-Inductor. IEEE Transactions on Power Electronics, 2021, 36, 12656-12669. | 7.9 | 38 |
| 10 | A survey on voltage boosting techniques for step-up DC-DC converters. , 2016, , . | | 26 |
| 11 | A Single-Stage Multi-Port Buck-Boost Inverter. IEEE Transactions on Power Electronics, 2021, 36, 7769-7782. | 7.9 | 22 |
| 12 | Power Electronics Converters—An Overview. , 2018, , 3-29. | | 15 |
| 13 | Interleaved LCLC Resonant Converter With Precise Current Balancing Over a Wide Input Voltage Range. IEEE Transactions on Power Electronics, 2021, 36, 10330-10342. | 7.9 | 13 |
| 14 | Analysis and design of an energy regenerative snubber for magnetically coupled impedance source converters. , 2018, , . | | 11 |
| 15 | Novel High Efficiency H-Bridge Transformerless Inverter for Grid-Connected Single-Phase Photovoltaic Systems. , 2018, , . | | 10 |
| 16 | Improved Y-source inverter for distributed power generation. , 2015, , . | | 8 |
| 17 | High voltage gain Y-source based isolated DC-DC converter with continuous input current. , 2015, , . | | 7 |
| 18 | Single-Phase Switched-Capacitor Integrated-Boost Five-level Inverter. , 2018, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | A novel single switch high gain DC-DC converter employing coupled inductor and diode capacitor. , 2016, , . | | 6 |
| 20 | Full Soft-Switching Ultra-High Gain DC/DC Converter Using Three-Winding Coupled-Inductor. , 2021, , . | | 6 |
| 21 | A Novel Single-Phase Flying-Inductor Buck-Boost Inverter. , 2019, , . | | 5 |
| 22 | Implementation of an Isolated Phase-Modular-Designed Three-Phase PFC Rectifier Based on Single-Stage LLC Converter. , 2021, , . | | 5 |
| 23 | A new soft-switched high step-up DC-DC converter with dual coupled inductors. , 2017, , . | | 4 |
| 24 | A Classification of Single-Phase Transformerless Inverter Topologies for Photovoltaic Applications. , 2018, , . | | 4 |
| 25 | A novel high voltage gain DC-DC converter with reduced components voltage stress. , 2015, , . | | 2 |
| 26 | AC small signal modeling of PWM Y-source converter by circuit averaging and averaged switch modeling technique. , 2016, , . | | 1 |
| 27 | Current Sharing Analysis of Interleaved LCLC Resonant Converter. , 2020, , . | | 1 |
| 28 | Average Current-Mode Control of PWM A-Source Converter. , 2018, , . | | 0 |
| 29 | A Novel Soft-Switched Three-Phase Three-Wire Isolated AC-DC Converter With Power Factor Correction. , 2022, , . | | 0 |