# Omar Ellabban, Ceng, Cmgr, Fiet

List of Publications by Year
in descending order

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|---|---|---|---|
| 35 papers | 3,399 citations | 623734 14 h-index | 752698 20 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 3964 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Renewable energy resources: Current status, future prospects and their enabling technology. Renewable and Sustainable Energy Reviews, 2014, 39, 748-764. | 16.4 | 2,024 |
| 2 | HVDC Transmission: Technology Review, Market Trends and Future Outlook. Renewable and Sustainable Energy Reviews, 2019, 112, 530-554. | 16.4 | 244 |
| 3 | Z-Source Inverter: Topology Improvements Review. IEEE Industrial Electronics Magazine, 2016, 10, 6-24. | 2.6 | 242 |
| 4 | A DSP-Based Dual-Loop Peak DC-link Voltage Control Strategy of the Z-Source Inverter. IEEE Transactions on Power Electronics, 2012, 27, 4088-4097. | 7.9 | 152 |
| 5 | Smart grid customers' acceptance and engagement: An overview. Renewable and Sustainable Energy Reviews, 2016, 65, 1285-1298. | 16.4 | 116 |
| 6 | Z-Source Matrix Converter: An Overview. IEEE Transactions on Power Electronics, 2016, 31, 7436-7450. | 7.9 | 68 |
| 7 | A Review of the Tools and Methods for Distribution Networksâ€™ Hosting Capacity Calculation. Energies, 2020, 13, 2758. | 3.1 | 64 |
| 8 | A Quasi-Z-Source Direct Matrix Converter Feeding a Vector Controlled Induction Motor Drive. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 339-348. | 5.4 | 55 |
| 9 | Integrated Economic Adoption Model for residential grid-connected photovoltaic systems: An Australian case study. Energy Reports, 2019, 5, 310-326. | 5.1 | 48 |
| 10 | Experimental Study of the Shoot-Through Boost Control Methods for the Z-Source Inverter. EPE Journal (European Power Electronics and Drives Journal), 2011, 21, 18-29. | 0.7 | 47 |
| 11 | An overview for the Z-Source Converter in motor drive applications. Renewable and Sustainable Energy Reviews, 2016, 61, 537-555. | 16.4 | 32 |
| 12 | Control of a Bidirectional Z-Source Inverter for Electric Vehicle Applications in Different Operation Modes. Journal of Power Electronics, 2011, 11, 120-131. | 1.5 | 30 |
| 13 | A Novel BIPV Reconfiguration Algorithm for Maximum Power Generation under Partial Shading. Energies, 2020, 13, 4470. | 3.1 | 24 |
| 14 | A comparative study of different control techniques for an induction motor fed by a Z-source inverter for electric vehicles. , 2011, , . | | 22 |
| 15 | Direct torque controlled space vector modulated induction motor fed by a Z-source inverter for electric vehicles. , 2011, , . | | 21 |
| 16 | Model Predictive Control applied for Quasi-Z-source inverter. , 2013, , . | | 21 |
| 17 | A DSP-Based Dual Loop Digital Controller Design and Implementation of a High Power Boost Converter for Hybrid Electric Vehicles Applications. Journal of Power Electronics, 2011, 11, 113-119. | 1.5 | 20 |
| 18 | Model predictive control of a grid connected quasi-Z-source inverter. , 2013, , . | | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Performance Evaluation of Four Grid-Forming Control Techniques with Soft Black-Start Capabilities. , 2020, , . | | 14 |
| 20 | Technoeconomic feasibility study of grid-connected building-integrated photovoltaics system for clean electrification: A case study of Doha metro. Energy Reports, 2020, 6, 407-414. | 5.1 | 14 |
| 21 | A five-level neutral-point-clamped/H-Bridge quasi-impedance source inverter for grid connected PV system. , 2016, , . | | 13 |
| 22 | On Optimal Battery Sizing for Households Participating in Demand-Side Management Schemes. Energies, 2019, 12, 3419. | 3.1 | 13 |
| 23 | Optimal hybrid microgrid sizing framework for the mining industry with three case studies from Australia. IET Renewable Power Generation, 2021, 15, 409-423. | 3.1 | 13 |
| 24 | Capacitor Voltage Control Techniques of the Z-source Inverter: A Comparative Study. EPE Journal (European Power Electronics and Drives Journal), 2011, 21, 13-24. | 0.7 | 12 |
| 25 | Predictive torque control of an induction motor fed by a bidirectional quasi Z-source inverter. , 2013, , . | | 10 |
| 26 | Indirect field oriented control of an induction motor fed by a bidirectional quasi Z-source inverter. , 2012, , . | | 9 |
| 27 | Design of an Intelligent Energy Management System for Standalone PV/Battery DC Microgrids. , 2019, , . | | 9 |
| 28 | Control of A high-Performance Z-Source Inverter for Fuel Cell/ Supercapacitor Hybrid Electric Vehicles. World Electric Vehicle Journal, 2010, 4, 444-451. | 3.0 | 8 |
| 29 | Torque control strategies for a high performance switched reluctance motor drive system. , 2013, , . | | 7 |
| 30 | Field oriented control of an induction motor fed by a quasi-Z-source direct matrix converter. , 2013, , . | | 7 |
| 31 | Grid connected quasi-Z-Source direct matrix converter. , 2013, , . | | 3 |
| 32 | Generic Distributed Photovoltaic Cost Outlook Methodology: Australian Market Application Example. , 2018, , . | | 3 |
| 33 | A Novel Methodology to Determine the Maximum PV Penetration in Distribution Networks. , 2019, , . | | 3 |
| 34 | Innovative Energy Management System for MVDC Networks with Black-Start Capabilities. Energies, 2021, 14, 2100. | 3.1 | 3 |
| 35 | An Assessment of Different Electricity Tariffs on Residential Photovoltaic System Profitability: Australian Case Study. , 2019, , . | | 1 |