

Ravikumar Bhimasingu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4893424/ravikumar-bhimasingu-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

157

citations

6

h-index

11

g-index

43

ext. papers

249

ext. citations

3.3

avg, IF

3.68

L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 28 | Renewable energy based microgrid system sizing and energy management for green buildings. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 1-13 | 4 | 45 |
| 27 | Electrical machines based DC/AC energy conversion schemes for the improvement of power quality and resiliency in renewable energy microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 90, 10-26 | 5.1 | 17 |
| 26 | Optimal sizing of microgrid for an urban community building in south India using HOMER 2014 , | | 15 |
| 25 | Improving the DC-Link Utilization of Nine-Switch Boost Inverter Suitable for Six-Phase Induction Motor. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1177-1187 | 7.6 | 12 |
| 24 | Review and retrofitted architectures to form reliable smart microgrid networks for urban buildings. <i>IET Networks</i> , 2015 , 4, 338-349 | 2.8 | 10 |
| 23 | Alternative hardware-in-the-loop (HIL) setups for real-time simulation and testing of microgrids 2016 , | | 8 |
| 22 | Performance analysis of green microgrid architectures by comparing power quality indices 2014 , | | 4 |
| 21 | Improving resiliency in renewable energy based green microgrids using virtual synchronous machines controlled inverter 2015 , | | 4 |
| 20 | A split source boost switched capacitor multilevel inverter for low power applications 2017 , | | 3 |
| 19 | Fuzzy logic based adaptive virtual inertia in droop control operation of the microgrid for improved transient response 2017 , | | 3 |
| 18 | 2014 , | | 3 |
| 17 | A simplified converter with simultaneous multi-level AC and boost DC outputs for hybrid microgrid applications 2016 , | | 3 |
| 16 | Improving the performance of hybrid microgrid using isolated three-port converter 2016 , | | 3 |
| 15 | Comparison of Fixed Switching Frequency Based Optimal Switching Vector MPC Algorithms Applied to Voltage Source Inverter for Stand-alone Applications 2019 , | | 3 |
| 14 | Synchrophasor based fault location algorithm for three terminal homogeneous transmission lines. <i>Electric Power Systems Research</i> , 2021 , 191, 106889 | 3.5 | 3 |
| 13 | Dual-input and triple-output boost hybrid converter suitable for grid-connected renewable energy sources. <i>IET Power Electronics</i> , 2020 , 13, 808-820 | 2.2 | 2 |
| 12 | Enabling self-healing microgrids by the improvement of resiliency using Closed Loop Virtual DC Motor and Induction Generator control scheme 2016 , | | 2 |

| | | | | |
|----|---|-----|--|-----|
| 11 | Real time and high fidelity controller design for Hardware In the Loop (HIL) testing of flight attitude control 2014 , | | | 2 |
| 10 | Investigation of transient and temporary overvoltages in a wind farm 2012 , | | | 2 |
| 9 | Improving power quality in microgrids using virtual motor-generator set based control scheme 2016 , | | | 2 |
| 8 | A non-isolated single stage three-port converter for hybrid microgrid applications 2016 , | | | 2 |
| 7 | Boost Multi-port Converter with Simultaneous Isolated DC, Non-isolated DC and AC Outputs 2018 , | | | 2 |
| 6 | Review on Three-Phase PLLs for Grid Integration of Renewable Energy Sources 2017 , | | | 1 |
| 5 | An approach for optimal placement of Phasor Measurement Units considering fuzzy logic based critical buses 2013 , | | | 1 |
| 4 | A novel approach for optimal PMU placement considering channel limit 2014 , | | | 1 |
| 3 | Design of voltage and current controller parameters using small signal model-based pole-zero cancellation method for improved transient response in microgrids. <i>SN Applied Sciences</i> , 2021 , 3, 1 | 1.8 | | 1 |
| 2 | Sequential model predictive control of quasi Z-source inverter with fixed frequency operation. <i>International Transactions on Electrical Energy Systems</i> , e13068 | 2.2 | | 0 |
| 1 | Modern Control Methods for Adaptive Droop Coefficients Design. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 111-148 | | | 0.2 |