

# Ravikumar Bhimasingu

## List of Publications by Year in Descending Order

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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	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> , <b>2021</b> , 3, 1	1.8	1
27	Synchrophasor based fault location algorithm for three terminal homogeneous transmission lines. <i>Electric Power Systems Research</i> , <b>2021</b> , 191, 106889	3.5	3
26	Dual-input and triple-output boost hybrid converter suitable for grid-connected renewable energy sources. <i>IET Power Electronics</i> , <b>2020</b> , 13, 808-820	2.2	2
25	Modern Control Methods for Adaptive Droop Coefficients Design. <i>Lecture Notes in Electrical Engineering</i> , <b>2020</b> , 111-148	0.2	
24	Improving the DC-Link Utilization of Nine-Switch Boost Inverter Suitable for Six-Phase Induction Motor. <i>IEEE Transactions on Transportation Electrification</i> , <b>2020</b> , 6, 1177-1187	7.6	12
23	Comparison of Fixed Switching Frequency Based Optimal Switching Vector MPC Algorithms Applied to Voltage Source Inverter for Stand-alone Applications <b>2019</b> ,		3
22	Boost Multi-port Converter with Simultaneous Isolated DC, Non-isolated DC and AC Outputs <b>2018</b> ,		2
21	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> , <b>2017</b> , 90, 10-26	5.1	17
20	Review on Three-Phase PLLs for Grid Integration of Renewable Energy Sources <b>2017</b> ,		1
19	A split source boost switched capacitor multilevel inverter for low power applications <b>2017</b> ,		3
18	Fuzzy logic based adaptive virtual inertia in droop control operation of the microgrid for improved transient response <b>2017</b> ,		3
17	Enabling self-healing microgrids by the improvement of resiliency using Closed Loop Virtual DC Motor and Induction Generator control scheme <b>2016</b> ,		2
16	A simplified converter with simultaneous multi-level AC and boost DC outputs for hybrid microgrid applications <b>2016</b> ,		3
15	Improving the performance of hybrid microgrid using isolated three-port converter <b>2016</b> ,		3
14	Alternative hardware-in-the-loop (HIL) setups for real-time simulation and testing of microgrids <b>2016</b> ,		8
13	Improving power quality in microgrids using virtual motor-generator set based control scheme <b>2016</b> ,		2
12	A non-isolated single stage three-port converter for hybrid microgrid applications <b>2016</b> ,		2

11	Renewable energy based microgrid system sizing and energy management for green buildings. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2015</b> , 3, 1-13	4	45
10	Review and retrofitted architectures to form reliable smart microgrid networks for urban buildings. <i>IET Networks</i> , <b>2015</b> , 4, 338-349	2.8	10
9	Improving resiliency in renewable energy based green microgrids using virtual synchronous machines controlled inverter <b>2015</b> ,		4
8	Performance analysis of green microgrid architectures by comparing power quality indices <b>2014</b> ,		4
7	A novel approach for optimal PMU placement considering channel limit <b>2014</b> ,		1
6	<b>2014</b> ,		3
5	Real time and high fidelity controller design for Hardware In the Loop (HIL) testing of flight attitude control <b>2014</b> ,		2
4	Optimal sizing of microgrid for an urban community building in south India using HOMER <b>2014</b> ,		15
3	An approach for optimal placement of Phasor Measurement Units considering fuzzy logic based critical buses <b>2013</b> ,		1
2	Investigation of transient and temporary overvoltages in a wind farm <b>2012</b> ,		2
1	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