

# A Kirubakaran

## List of Publications by Year in descending order

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45  
papers

1,181  
citations

1039406

9  
h-index

940134

16  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1579  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on fuel cell technologies and power electronic interface. Renewable and Sustainable Energy Reviews, 2009, 13, 2430-2440.	8.2	774
2	A multilevel inverter with reduced number of switches. , 2012, , .		47
3	A Seven-Level VSI With a Front-End Cascaded Three-Level Inverter and Flying-Capacitor-Fed H-Bridge. IEEE Transactions on Industry Applications, 2019, 55, 6073-6088.	3.3	44
4	DSP-Controlled Power Electronic Interface for Fuel-Cell-Based Distributed Generation. IEEE Transactions on Power Electronics, 2011, 26, 3853-3864.	5.4	42
5	A Two-Stage T-Type Hybrid Five-Level Transformerless Inverter for PV Applications. IEEE Transactions on Power Electronics, 2020, 35, 9510-9521.	5.4	42
6	Bidirectional Clamping-Based H5, HERIC, and H6 Transformerless Inverter Topologies With Reactive Power Capability. IEEE Transactions on Industry Applications, 2020, 56, 5119-5128.	3.3	35
7	A new structure of single-phase two-stage hybrid transformerless multilevel <sc>PV</sc> inverter. International Journal of Circuit Theory and Applications, 2019, 47, 152-174.	1.3	31
8	Single-Phase Two-Stage Seven-Level Power Conditioner for Photovoltaic Power Generation System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 794-804.	3.7	30
9	A new hybrid flying capacitor-based single-phase nine-level inverter. International Transactions on Electrical Energy Systems, 2019, 29, e12139.	1.2	22
10	A new configuration of seven-level quasi Z-source-based isolated inverter for renewable applications. International Transactions on Electrical Energy Systems, 2019, 29, e2833.	1.2	10
11	A Quasi-Z-Source-Based Five-Level PV Inverter With Leakage Current Reduction. IEEE Transactions on Industry Applications, 2022, 58, 400-412.	3.3	10
12	A new multilevel DC-DC boost converter for fuel cell based power system. , 2012, , .		9
13	A new structure of three-phase five-level inverter with nested two-level cells. International Journal of Circuit Theory and Applications, 2019, 47, 1435-1445.	1.3	9
14	Development of LabVIEW-based multilevel inverter with reduced number of switches. International Journal of Power Electronics, 2014, 6, 88.	0.1	8
15	A novel three-phase seven-level inverter. , 2017, , .		7
16	A Five-Level Quasi Z-Source Based NPC Inverter for PV Applications. , 2019, , .		6
17	FPGA-based implementation of single-phase seven-level quasi-Z-source inverter. International Journal of Circuit Theory and Applications, 2019, 47, 1970-1989.	1.3	6
18	A three-phase inverter circuit using half-bridge cells and Tâ€NPC for medium-voltage applications. International Journal of Circuit Theory and Applications, 2020, 48, 1744-1765.	1.3	6

#	ARTICLE	IF	CITATIONS
19	A novel four level cascaded Z-source inverter. , 2014, , .		5
20	A Seven-Level Hybrid Inverter with DC-Link and Flying Capacitor Voltage Balancing. , 2019, , .		5
21	Impedance Source-based Multilevel Inverter: A State-of-the-Art Review. Journal of Circuits, Systems and Computers, 2020, 29, 2030011.	1.0	5
22	A front end boost asymmetrical multi level inverter with single input source. , 2014, , .		4
23	Single-Phase Quasi-Z-source based Isolated DC/AC converter. , 2016, , .		4
24	Bi-Directional Clamping Based H5, HERIC and H6-Type Transformerless Inverter Topologies with Improved Modulation Technique. , 2020, , .		4
25	Distributed Generation by Solid Oxide Fuel Cell: A Review. , 2008, , .		3
26	Zero voltage switching floating output high gain interleaved DC-DC converter. , 2013, , .		3
27	Simulation and performance evaluation of 10 kW two stage power electronic interface for fuel cell based power supply system. , 2009, , .		2
28	DSP controlled DC/DC boost converter for renewable/green power applications. , 2010, , .		2
29	An Improved Hybrid-Bridge Transformerless Inverter Topology With Bidirectional Clamping and Reactive Power Capability. IEEE Transactions on Industry Applications, 2019, 55, 7400-7409.	3.3	2
30	A Novel Hybrid Quasi Z-Source Based T-Type Seven-Level Inverter. , 2018, , .		1
31	Xilinx FPGA Based Single Phase Five-Level Cascaded Z-Source Inverter. , 2018, , .		1
32	A Space Vector Modulated Quasi-Z-Source Based Four-Level VSI for PV Application. , 2019, , .		1
33	A Complete Fault-Tolerant Solution For A Single-Phase Five-Level Hybrid Flying Capacitor Inverter. , 2019, , .		1
34	A two-stage power electronic interface for fuel cell-based power supply system. International Journal of Power Electronics, 2011, 3, 111.	0.1	0
35	A new 3-Phase Hybrid Matrix multilevel inverter. , 2016, , .		0
36	A new cascaded quasi-z source based single phase seven level inverter. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Xilinx FPGA-Based Single Phase Seven-Level Inverter with Single Input DC Voltage Source. Journal of Circuits, Systems and Computers, 2017, 26, 1750202.	1.0	0
38	A Hybrid-Bridge Asymmetrical Transformerless Five-Level Photovoltaic Inverter. , 2017, , .		0
39	A Single-Phase Quasi-Z-Source based Seven-Level Inverter with Capacitor Voltage Balancing. , 2018, , .		0
40	A Novel Two-Stage Hybrid T-type Five-Level Transformerless Inverter. , 2019, , .		0
41	Two-Stage SEPIC Based Single-Phase Five-Level Inverter for Photovoltaic Applications. , 2019, , .		0
42	Operation, Control and Verification of Seven-Level Quasi-Z-Source-Based T-Type Inverter. Journal of Circuits, Systems and Computers, 2020, 29, 2050023.	1.0	0
43	Single-Phase Five-level Transformerless Inverter for Multi-String Photovoltaic Applications. , 2021, , .		0
44	An improved quasi Z-source based H5 inverter with low leakage current for photovoltaic applications. International Transactions on Electrical Energy Systems, 2021, 31, e13187.	1.2	0
45	Novel Single-Phase Packed U-Cell based Symmetrical Multilevel Inverters. , 2022, , .		0