

# Dulika R Nayanasiiri

## List of Publications by Year in descending order

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29  
papers

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citations

1478505

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1199594

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docs citations

29  
times ranked

297  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid maximum power point tracking for partially shaded photovoltaic systems in the tropics. Renewable Energy, 2015, 76, 53-65.	8.9	73
2	Half-Wave Cycloconverter-Based Photovoltaic Microinverter Topology With Phase-Shift Power Modulation. IEEE Transactions on Power Electronics, 2013, 28, 2700-2710.	7.9	51
3	A Switching Control Strategy for Single- and Dual-Inductor Current-Fed Push-Pull Converters. IEEE Transactions on Power Electronics, 2015, 30, 3761-3771.	7.9	26
4	A simple and efficient hybrid maximum power point tracking method for PV systems under partially shaded condition. , 2013, , .		21
5	Power Electronics for Photovoltaic Power Systems. Synthesis Lectures on Power Electronics, 2015, 5, 1-131.	1.7	19
6	Step-Down DC-DC Converters: An Overview and Outlook. Electronics (Switzerland), 2022, 11, 1693.	3.1	9
7	Networked DC nano-grid based on multi-port power converters. , 2017, , .		7
8	High-frequency-link micro-inverter with front-end current-fed half-bridge boost converter and half-wave cycloconverter. , 2013, , .		6
9	A Four-Step Method to Synthesize a DC-DC Converter for Multi-Inductor Realizable Arbitrary Voltage Conversion Ratio. IEEE Transactions on Industrial Electronics, 2022, 69, 5594-5603.	7.9	6
10	Boost converter based on coupled inductor and voltage lift cell. , 2017, , .		5
11	High-Step-Up Boost Converter Based on Coupled Inductor, Voltage Lift and Clamp Cells. , 2019, , .		5
12	Nonisolated DC-DC Power Converter Synthesis Using Low-Entropy Equations. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6457-6469.	5.4	5
13	Soft-switching single inductor current-fed push-pull converter for PV applications. , 2014, , .		4
14	HFL PV micro-inverter with front-end current-fed converter and half-wave cycloconverter. , 2014, , .		4
15	Optimized switching control strategy for current-fed half-bridge converter. , 2014, , .		4
16	Multiresonant and Multimode Operation of the Switched-Resonator Converters. IEEE Transactions on Power Electronics, 2021, 36, 5622-5634.	7.9	4
17	An Analytical Method to Derive a DC-DC Converter for an Arbitrary Voltage Conversion Ratio. , 2018, , .		3
18	Family of Boost Converters Based on Switched Coupled Inductor and Voltage Lifter Cell. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Pulsewidth Modulated Switched Resonator Converter Having Continuous Buck Gain. IEEE Transactions on Industrial Electronics, 2022, 69, 376-386.	7.9	3
20	Sub-synchronous oscillations in wind farms – an overview study of mechanisms and damping methods. IET Renewable Power Generation, 2020, 14, 3974-3988.	3.1	3
21	Battery Charger Based on Bi-directional High Step-Up/Down DC-DC Converter. , 2018, , .		2
22	A Dual-Input Single-Output DC-DC Converter Topology for Renewable Energy Applications. , 2021, , .		2
23	Photovoltaic micro-inverter with front-end DC-DC converter and half-wave cycloconverter. , 2013, , .		1
24	HFL micro inverter with front-end diode clamped multi-level inverter and half-wave cycloconverter. , 2014, , .		1
25	Soft-switching Bi-directional High Step-up/down Converter for Battery Charging Applications. , 2020, , .		1
26	Formulation of a wind farm control strategy considering lifetime of DC-link capacitor bank of type IV wind turbines. IET Renewable Power Generation, 2021, 15, 2766-2777.	3.1	1
27	A Design Methodology to Synthesize First Degree Single-Path Hybrid DC-DC Converters. IEEE Transactions on Power Electronics, 2022, 37, 12336-12345.	7.9	1
28	Micro inverter with a front-end current-fed converter. , 2014, , .		0
29	Voltage Gain Control of a Switched-resonator Converter Based on the 2:1 Switched-capacitor cell. , 2021, , .		0