

# Dulika R Nayanasiiri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9175357/publications.pdf>

Version: 2024-02-01

29  
papers

270  
citations

1478505

6  
h-index

1199594

12  
g-index

29  
all docs

29  
docs citations

29  
times ranked

297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulsewidth Modulated Switched Resonator Converter Having Continuous Buck Gain. IEEE Transactions on Industrial Electronics, 2022, 69, 376-386.	7.9	3
2	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
3	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
4	Step-Down DC-DC Converters: An Overview and Outlook. Electronics (Switzerland), 2022, 11, 1693.	3.1	9
5	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
6	Multiresonant and Multimode Operation of the Switched-Resonator Converters. IEEE Transactions on Power Electronics, 2021, 36, 5622-5634.	7.9	4
7	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
8	A Dual-Input Single-Output DC-DC Converter Topology for Renewable Energy Applications. , 2021, , .		2
9	Voltage Gain Control of a Switched-resonator Converter Based on the 2:1 Switched-capacitor cell. , 2021, , .		0
10	Soft-switching Bi-directional High Step-up/down Converter for Battery Charging Applications. , 2020, , .		1
11	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
12	High-Step-Up Boost Converter Based on Coupled Inductor, Voltage Lift and Clamp Cells. , 2019, , .		5
13	An Analytical Method to Derive a DC-DC Converter for an Arbitrary Voltage Conversion Ratio. , 2018, , .		3
14	Battery Charger Based on Bi-directional High Step-Up/Down DC-DC Converter. , 2018, , .		2
15	Family of Boost Converters Based on Switched Coupled Inductor and Voltage Lifter Cell. , 2018, , .		3
16	Boost converter based on coupled inductor and voltage lift cell. , 2017, , .		5
17	Networked DC nano-grid based on multi-port power converters. , 2017, , .		7
18	Power Electronics for Photovoltaic Power Systems. Synthesis Lectures on Power Electronics, 2015, 5, 1-131.	1.7	19

#	ARTICLE	IF	CITATIONS
19	A hybrid maximum power point tracking for partially shaded photovoltaic systems in the tropics. Renewable Energy, 2015, 76, 53-65.	8.9	73
20	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
21	Soft-switching single inductor current-fed push-pull converter for PV applications. , 2014, , .		4
22	HFL PV micro-inverter with front-end current-fed converter and half-wave cycloconverter. , 2014, , .		4
23	Micro inverter with a front-end current-fed converter. , 2014, , .		0
24	Optimized switching control strategy for current-fed half-bridge converter. , 2014, , .		4
25	HFL micro inverter with front-end diode clamped multi-level inverter and half-wave cycloconverter. , 2014, , .		1
26	Photovoltaic micro-inverter with front-end DC-DC converter and half-wave cycloconverter. , 2013, , .		1
27	Half-Wave Cycloconverter-Based Photovoltaic Microinverter Topology With Phase-Shift Power Modulation. IEEE Transactions on Power Electronics, 2013, 28, 2700-2710.	7.9	51
28	High-frequency-link micro-inverter with front-end current-fed half-bridge boost converter and half-wave cycloconverter. , 2013, , .		6
29	A simple and efficient hybrid maximum power point tracking method for PV systems under partially shaded condition. , 2013, , .		21