

Saman Asghari Gorji

List of Publications by Year in descending order

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32
papers

2,002
citations

1039880

9
h-index

1281743

11
g-index

32
all docs

32
docs citations

32
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	A flexible analytical model for operational investigation of solar hydrogen plants. International Journal of Hydrogen Energy, 2022, 47, 782-808.	3.8	11
2	A Non-inverting Transformerless Semi-Quadratic Buck-Boost Converter. , 2022, , .		1
3	A Power Converter Based on the Combination of Cuk and Positive Output Super Lift Luo Converters: Circuit Analysis, Simulation and Experimental Validation. IEEE Access, 2022, 10, 52899-52911.	2.6	13
4	Force Optimization for an Active Suspension System in a Quarter Car Model Using MPC. Lecture Notes in Mechanical Engineering, 2021, , 459-474.	0.3	1
5	Design and Implementation a Single-Switch Step-Up DC-DC Converter Based on Cascaded Boost and Luo Converters. Energies, 2021, 14, 3584.	1.6	14
6	Design and Implementation of a New Cuk-Based Step-Up DC-DC Converter. Energies, 2021, 14, 6975.	1.6	6
7	Control of DC Microgrids: A Review. , 2021, , .		5
8	Distributed Cooperative Control of DC Microgrids, Current Regulation and Voltage Tracking. , 2021, , .		1
9	Implementation of a Lab-Scale Green Hydrogen Production System with Solar PV Emulator and Energy Storage System. , 2021, , .		5
10	Gear Ratio Optimization along with a Novel Gearshift Scheduling Strategy for a Two-Speed Transmission System in Electric Vehicle. Energies, 2020, 13, 5073.	1.6	26
11	A Scheme-Based Review of MPPT Techniques With Respect to Input Variables Including Solar Irradiance and PV Arraysâ€™ Temperature. IEEE Access, 2020, 8, 182229-182239.	2.6	81
12	Power reduction for an active suspension system in a quarter car model using MPC. , 2020, , .		5
13	Fourth-Order Minimum-Phase Boost Converters Using Reverse-Coupled Inductors. , 2020, , .		1
14	Topologies and Control Schemes of Bidirectional DC-DC Power Converters: An Overview. IEEE Access, 2019, 7, 117997-118019.	2.6	193
15	Non-Isolated buck-boost dc-dc converter with quadratic voltage gain ratio. IET Power Electronics, 2019, 12, 1425-1433.	1.5	64
16	Multi-Input Boost DC-DC Converter with Continuous Input-Output Current for Renewable Energy Systems. , 2019, , .		10
17	A Comparative Study on PFC Bridgeless Flyback and SEPIC AC-DC Rectifiers Operating in DCM and BCM. , 2019, , .		3
18	Step-Up DC-DC Converters: A Comprehensive Review of Voltage-Boosting Techniques, Topologies, and Applications. IEEE Transactions on Power Electronics, 2017, 32, 9143-9178.	5.4	1,348

#	ARTICLE	IF	CITATIONS
19	Isolated switchedâ€boost pushâ€pull DCâ€DC converter for stepâ€up applications. Electronics Letters, 2017, 53, 177-179.	0.5	41
20	A novel single switch transformerless quadratic DC/DC buck-boost converter. , 2017, , .		20
21	A novel bridgeless flyback power factor correction rectifier with single output winding and reduced components voltage stress. , 2017, , .		3
22	A survey on voltage boosting techniques for step-up DC-DC converters. , 2016, , .		26
23	Galvanically isolated switched-boost-based DC-DC converter. , 2016, , .		7
24	A novel quadratic buck-boost DC-DC converter without floating gate-driver. , 2016, , .		16
25	Hybrid impedance network-based converter with high voltage gain and no commutation problem. , 2016, , .		2
26	Double-input boost/Y-source DC-DC converter for renewable energy sources. , 2016, , .		22
27	A new structure of Y-source inverters with continuous input current and high voltage gain. , 2015, , .		10
28	Input current ripples cancellation in bidirectional switched-inductor quasi-Z-source inverter using coupled inductors. , 2015, , .		9
29	Considering the load uncertainty for solving security constrained unit commitment problem in presence of plug-in electric vehicle. , 2014, , .		7
30	Novel high step up DC/DC converters With reduced switch voltage stress. , 2014, , .		6
31	A new approach for efficiency optimizing of single-phase induction motors. , 2012, , .		4
32	Electric Vehicle with Multi-Speed Transmission: A Review on Performances and Complexities. SAE International Journal of Alternative Powertrains, 0, 7, 169-181.	0.8	41