

Reham Haroun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sliding-Mode Control of a Quadratic Buck Converter With Constant Power Load. IEEE Access, 2022, 10, 71837-71852.	2.6	12
2	A Large-Signal Model for a Peak Current Mode Controlled Boost Converter With Constant Power Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 559-568.	3.7	7
3	Fast-Scale Stability Analysis of a DC-DC Boost Converter With a Constant Power Load. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 549-558.	3.7	26
4	Analytical Determination of Fast-Scale Instability Boundaries for Current Mode Controlled DC-DC Converters With CPL and Closed Voltage Loop. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 39-48.	2.7	5
5	Multiple-Loop Control Design for a Single-Stage PV-Fed Grid-Tied Differential Boost Inverter. Applied Sciences (Switzerland), 2020, 10, 4808.	1.3	10
6	Analysis of Subharmonic Oscillation and Slope Compensation for a Differential Boost Inverter. Applied Sciences (Switzerland), 2020, 10, 5626.	1.3	3
7	Synthesis, Analysis, and Design of a DC-Nanogrid Using Cascaded Converters for Home Applications. , 2020, , .		0
8	Modelling and Control of Modular DC-Nanogrids Based on Loss-Free Resistors. IEEE Access, 2020, 8, 33305-33317.	2.6	9
9	Synthesis of a Power Gyrator Based on Sliding Mode Control of two Cascaded Boost Converters Using a Single Sliding Surface. , 2017, , 1-18.		0
10	Impedance Matching in Photovoltaic Systems Using Cascaded Boost Converters and Sliding-Mode Control. IEEE Transactions on Power Electronics, 2015, 30, 3185-3199.	5.4	122
11	Sliding Mode Control of output-parallel-connected two-stage boost converters for PV systems. , 2014, , .		11
12	Synthesis of Canonical Elements for Power Processing in DC Distribution Systems Using Cascaded Converters and Sliding-Mode Control. IEEE Transactions on Power Electronics, 2014, 29, 1366-1381.	5.4	73
13	A Comparison Between Static and Dynamic Performances of a Z-source and a Dual-Stage Boost Converter Under SMC for PV Energy Applications. Energy Procedia, 2013, 42, 587-596.	1.8	11
14	Stability issues in cascade connected switching converters for DC microgrid applications. , 2013, , .		3
15	Synthesis of a power gyrator based on sliding mode control of two cascaded boost converters using a single sliding surface. , 2013, , .		1
16	Suppression of Line Frequency Instabilities in PFC AC-DC Power Supplies by Feedback Notch Filtering the Pre-Regulator Output Voltage. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 796-809.	3.5	37
17	Large-signal modeling and stability analysis of two-cascaded boost converters connected to a PV panel under SMC with MPPT. , 2013, , .		7
18	Cascade connection of DC-DC switching converters by means of self-oscillating dc-transformers. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	Asymptotic Slow-Scale Stability Boundary of PFC AC-DC Power Converters: Theoretical Prediction and Experimental Validation. IEEE Transactions on Industrial Electronics, 2011, 58, 3448-3460.	5.2	43
20	Notch filtering-based stabilization of PFC AC-DC pre-regulators. , 2010, , .		4
21	Stability analysis of PFC converters with one-cycle control. , 2009, , .		2
22	Study of nonlinear-carrier control stability for PFC boost converters. , 2008, , .		3
23	Stability performance of two-stage PFC converters under nonlinear-carrier control and average-current-mode control. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	1
24	Comparison between Nonlinear-Carrier Control and Average-Current-Mode Control for PFC Converters. , 2007, , .		16