

Samir Ahmad Mussa

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Symmetrical Hybrid Multilevel DC-AC Converters With Reduced Number of Insulated DC Supplies. IEEE Transactions on Industrial Electronics, 2010, 57, 2307-2314.	7.9	141
2	Active Power Filter Control Strategy With Implicit Closed-Loop Current Control and Resonant Controller. IEEE Transactions on Industrial Electronics, 2013, 60, 2721-2730.	7.9	130
3	Three-Phase Hybrid Multilevel Inverter Based on Half-Bridge Modules. IEEE Transactions on Industrial Electronics, 2012, 59, 668-678.	7.9	100
4	Three-Phase Multilevel PWM Rectifiers Based on Conventional Bidirectional Converters. IEEE Transactions on Power Electronics, 2010, 25, 545-549.	7.9	71
5	Three-Level ZVS Active Clamping PWM for the DC-DC Buck Converter. IEEE Transactions on Power Electronics, 2009, 24, 2249-2258.	7.9	60
6	Multilevel Buck/Boost-Type DC-DC Converter for High-Power and High-Voltage Application. IEEE Transactions on Industry Applications, 2014, 50, 3931-3942.	4.9	57
7	Three-Phase Multilevel PFC Rectifier Based on Multistate Switching Cells. IEEE Transactions on Power Electronics, 2015, 30, 1843-1854.	7.9	31
8	Control Strategy for Current Harmonic Programmed AC Active Electronic Power Loads. IEEE Transactions on Industrial Electronics, 2014, 61, 3810-3822.	7.9	20
9	Generalized Analysis of a Multistate Switching Cells-Based Single-Phase Multilevel PFC Rectifier. IEEE Transactions on Power Electronics, 2012, 27, 46-56.	7.9	17
10	Cascaded Symmetrical Hybrid Multilevel Dc-Ac converter. , 2010, , .		11
11	New symmetrical hybrid multilevel DC-AC converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	7
12	Analysis of indirect matrix converter topologies in voltage step-up operation mode. , 2011, , .		7
13	Single-phase boost PFC voltage-doubler self-controlled using FPGA. , 2008, , .		5
14	Current control techniques applied in PFC boost converter at instantaneous power interruption. , 2009, , .		5
15	Discrete-time current control techniques applied in PFC boost converter at instantaneous power interruption. , 2009, , .		5
16	Synchronous state machine inner FPGA controlling PFC boost converter. , 2010, , .		5
17	An FPGA control application: Self-control of current and linear control of DC link of PFC. , 2008, , .		4
18	Current technique applied in single phase PFC boost converter based on discrete-time One Cycle Control. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
19	Single-phase PFC boost converter operating at instantaneous power interruption. , 2009, , .		2
20	Discrete-time one cycle control technique applied in single-phase PFC boost converter. , 2011, , .		2
21	Lyapunov based stability analysis of current self-control approach for single-phase PFC Boost converters subject to load variations. , 2011, , .		2
22	Modified hybrid symmetrical multilevel inverter. , 2012, , .		2
23	GaN-based single-phase bridgeless PFC boost rectifier. Journal of Engineering, 2019, 2019, 3614-3617.	1.1	2
24	Ac Indirect Line Conditioner Digital Control Using PLL Based on the Three-Phase Instantaneous Power Theory. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	1
25	Bidirectional rectifier — Comparison between average current and “dq0” coordinates control techniques implemented on DSP. , 2010, , .		1
26	Evaluation of SiC-Based Three-Phase PFC Rectifier Design. , 2018, , .		1
27	Digital control based on DPLL of an AC line conditioner. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	0
28	Design of a high performance ac-ac drive system based on indirect matrix converters employing SiC MOSFETs. , 2015, , .		0
29	Single-phase hybrid boost rectifiers with high voltage gain and high power factor. , 2016, , .		0
30	Symmetrical Hybrid Multilevel VSI and CSI Inverters Derived from Dc-Dc Converters. , 2019, , .		0
31	High-resolution FPGA-pulse width modulation applied to PFC 2MHz converter using eGaN field effect transistor. Journal of Engineering, 2019, 2019, 4205-4208.	1.1	0