

Moshe Sitbon

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Disturbance Observer-Based Voltage Regulation of Current-Mode-Boost-Converter-Interfaced Photovoltaic Generator. IEEE Transactions on Industrial Electronics, 2015, 62, 5776-5785.	5.2	50
2	Revisited Perturbation Frequency Design Guideline for Direct Fixed-Step Maximum Power Point Tracking Algorithms. IEEE Transactions on Industrial Electronics, 2017, 64, 4601-4609.	5.2	45
3	Design Guidelines for Multiloop Perturbative Maximum Power Point Tracking Algorithms. IEEE Transactions on Power Electronics, 2018, 33, 1284-1293.	5.4	43
4	Comprehensive dynamic analysis of photovoltaic generator interfacing DC-DC boost power stage. IET Renewable Power Generation, 2015, 9, 306-314.	1.7	41
5	Dynamics of Photovoltaic-Generator-Interfacing Voltage-Controlled Buck Power Stage. IEEE Journal of Photovoltaics, 2015, 5, 633-640.	1.5	28
6	Improved adaptive input voltage control of a solar array interfacing current mode controlled boost power stage. Energy Conversion and Management, 2015, 98, 369-375.	4.4	24
7	Interfacing renewable energy sources for maximum power transfer-Part I: Statics. Renewable and Sustainable Energy Reviews, 2014, 31, 501-508.	8.2	23
8	Rapid Prototyping of a Low-Cost Solar Array Simulator Using an Off-the-Shelf DC Power Supply. IEEE Transactions on Power Electronics, 2014, 29, 5278-5284.	5.4	23
9	Solar Irradiation Independent Expression for Photovoltaic Generator Maximum Power Line. IEEE Journal of Photovoltaics, 2017, 7, 1416-1420.	1.5	20
10	Interfacing renewable energy sources for maximum power transfer-Part II: Dynamics. Renewable and Sustainable Energy Reviews, 2015, 51, 1771-1783.	8.2	17
11	Design and optimization of low-temperature gradient thermoelectric harvester for wireless sensor network node on water pipelines. Applied Energy, 2021, 283, 116240.	5.1	15
12	Online dynamic conductance estimation based maximum power point tracking of photovoltaic generators. Energy Conversion and Management, 2018, 166, 687-696.	4.4	12
13	Disturbance observer based robust voltage control of photovoltaic generator interfaced by current mode buck converter. Energy Conversion and Management, 2020, 209, 112622.	4.4	9
14	Single-Source Multi-Battery Solar Charger: Analysis and Stability Issues. Energies, 2015, 8, 6427-6450.	1.6	8
15	Spatial Equivalent Circuit Model for Simulation of On-Chip Thermoelectric Harvesters. Micromachines, 2020, 11, 574.	1.4	7
16	Control the Voltage Instabilities of Distribution Lines using Capacitive Reactive Power. Energies, 2020, 13, 875.	1.6	7
17	Single-source multibattery solar charger: case study and implementation issues. Progress in Photovoltaics: Research and Applications, 2015, 23, 1916-1928.	4.4	6
18	Modeling and Analysis of None-Series Compensation for Inductive Wireless Power Transfer Links. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Sampling frequency design to optimizing MPP-tracking performance for open-loop-operated converters. , 2016, , .		3
20	Hybrid Internal Combustion Engine Based Auxiliary Power Unit. Micromachines, 2020, 11, 438.	1.4	3
21	Multi-output portable solar charger for Li-Ion batteries. , 2014, , .		2
22	Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter. , 2016, , .		2
23	Loop Gain Oriented Design of Multiresonant Current Controllers. , 2018, , .		2
24	Maximum power point tracking of renewable energy generators based on sum of dynamic and static conductances. , 2016, , .		1
25	A Novel Capacitor Sizing Method for Active DC Link Capacitance Reduction Circuit. , 2018, , .		1
26	Robust maximum power point tracking of photovoltaic generators based on real-time dynamic conductance estimation. Energy Conversion and Management, 2019, 200, 112068.	4.4	1
27	Design Considerations for GaN Based Converters. , 2019, , .		1
28	Output Voltage Range of a NS-Compensated Inductive WPTL in Load Independent Regime. , 2020, , .		1
29	Controller Performance Assessment of a Photovoltaic Generator Terminated in a Current-Mode-Buck-Converter-Load. Elektronika Ir Elektrotechnika, 2019, 25, 56-62.	0.4	1
30	Assessment of wind resource statistics in samaria Region. , 2017, , .		1
31	Analysis, Modeling, and Simulation of Thin-Film Cells-Based Photovoltaic Generator Combined with Multilayer Thermoelectric Generator. Micromachines, 2021, 12, 1342.	1.4	1
32	Effect of input and output terminal sources on dynamic behavior of switched-mode converters. , 2014, , .		0
33	Comparison of photovoltaic and wind generators as dynamic input sources to power processing interfaces. , 2016, , .		0
34	Transient response enhancement of PFC front end. , 2017, , .		0
35	Influence of electricity tariffs on optimal solar collectors orientation in Negev region. , 2019, , .		0
36	Analysis, Modeling, and Simulation of Adaptive Control Based on Dynamic Conductance Estimation of Photovoltaic Generator Interfaced Current-Mode Buck Converter. Elektronika Ir Elektrotechnika, 2022, 28, 32-41.	0.4	0