

Moshe Sitbon

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Analysis, Modeling, and Simulation of Adaptive Control Based on Dynamic Conductance Estimation of Photovoltaic Generator Interfaced Current-Mode Buck Converter. <i>Elektronika Ir Elektrotechnika</i> , 2022, 28, 32-41.	0.4	0
2	Design and optimization of low-temperature gradient thermoelectric harvester for wireless sensor network node on water pipelines. <i>Applied Energy</i> , 2021, 283, 116240.	5.1	15
3	Analysis, Modeling, and Simulation of Thin-Film Cells-Based Photovoltaic Generator Combined with Multilayer Thermoelectric Generator. <i>Micromachines</i> , 2021, 12, 1342.	1.4	1
4	Output Voltage Range of a NS-Compensated Inductive WPTL in Load Independent Regime. , 2020, , .		1
5	Modeling and Analysis of None-Series Compensation for Inductive Wireless Power Transfer Links. , 2020, , .		5
6	Disturbance observer based robust voltage control of photovoltaic generator interfaced by current mode buck converter. <i>Energy Conversion and Management</i> , 2020, 209, 112622.	4.4	9
7	Spatial Equivalent Circuit Model for Simulation of On-Chip Thermoelectric Harvesters. <i>Micromachines</i> , 2020, 11, 574.	1.4	7
8	Control the Voltage Instabilities of Distribution Lines using Capacitive Reactive Power. <i>Energies</i> , 2020, 13, 875.	1.6	7
9	Hybrid Internal Combustion Engine Based Auxiliary Power Unit. <i>Micromachines</i> , 2020, 11, 438.	1.4	3
10	Robust maximum power point tracking of photovoltaic generators based on real-time dynamic conductance estimation. <i>Energy Conversion and Management</i> , 2019, 200, 112068.	4.4	1
11	Design Considerations for GaN Based Converters. , 2019, , .		1
12	Controller Performance Assessment of a Photovoltaic Generator Terminated in a Current-Mode-Buck-Convertor-Load. <i>Elektronika Ir Elektrotechnika</i> , 2019, 25, 56-62.	0.4	1
13	Influence of electricity tariffs on optimal solar collectors orientation in Negev region. , 2019, , .		0
14	Online dynamic conductance estimation based maximum power point tracking of photovoltaic generators. <i>Energy Conversion and Management</i> , 2018, 166, 687-696.	4.4	12
15	Design Guidelines for Multiloop Perturbative Maximum Power Point Tracking Algorithms. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 1284-1293.	5.4	43
16	A Novel Capacitor Sizing Method for Active DC Link Capacitance Reduction Circuit. , 2018, , .		1
17	Loop Gain Oriented Design of Multiresonant Current Controllers. , 2018, , .		2
18	Revisited Perturbation Frequency Design Guideline for Direct Fixed-Step Maximum Power Point Tracking Algorithms. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4601-4609.	5.2	45

#	ARTICLE	IF	CITATIONS
19	Solar Irradiation Independent Expression for Photovoltaic Generator Maximum Power Line. IEEE Journal of Photovoltaics, 2017, 7, 1416-1420.	1.5	20
20	Assessment of wind resource statistics in samaria Region. , 2017, , .		1
21	Transient response enhancement of PFC front end. , 2017, , .		0
22	Sampling frequency design to optimizing MPP-tracking performance for open-loop-operated converters. , 2016, , .		3
23	Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter. , 2016, , .		2
24	Comparison of photovoltaic and wind generators as dynamic input sources to power processing interfaces. , 2016, , .		0
25	Maximum power point tracking of renewable energy generators based on sum of dynamic and static conductances. , 2016, , .		1
26	Single-Source Multi-Battery Solar Charger: Analysis and Stability Issues. Energies, 2015, 8, 6427-6450.	1.6	8
27	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
28	Single-source multibattery solar charger: case study and implementation issues. Progress in Photovoltaics: Research and Applications, 2015, 23, 1916-1928.	4.4	6
29	Dynamics of Photovoltaic-Generator-Interfacing Voltage-Controlled Buck Power Stage. IEEE Journal of Photovoltaics, 2015, 5, 633-640.	1.5	28
30	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
31	Interfacing renewable energy sources for maximum power transfer"Part II: Dynamics. Renewable and Sustainable Energy Reviews, 2015, 51, 1771-1783.	8.2	17
32	Comprehensive dynamic analysis of photovoltaic generator interfacing DC"DC boost power stage. IET Renewable Power Generation, 2015, 9, 306-314.	1.7	41
33	Effect of input and output terminal sources on dynamic behavior of switched-mode converters. , 2014, , .		0
34	Interfacing renewable energy sources for maximum power transfer"Part I: Statics. Renewable and Sustainable Energy Reviews, 2014, 31, 501-508.	8.2	23
35	Multi-output portable solar charger for Li-Ion batteries. , 2014, , .		2
36	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