Simon Lineykin

List of Publications by Year
in descending order

39 papers	934 citations	758635 12 h-index	713013 21 g-index
39 all docs	39 docs citations	39 times ranked	961 citing authors

#	Article	IF	Citations
1	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
2	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
3	Modeling Haptic Data Transfer Processes through a Thermal Interface using an Equivalent Electric Circuit Approach. , 2021, , .		0
4	The Effects of Cogging Torque Reduction in Axial Flux Machines. Micromachines, 2021, 12, 323.	1.4	2
5	Analysis, Modeling, and Simulation of Thin-Film Cells-Based Photovoltaic Generator Combined with Multilayer Thermoelectric Generator. Micromachines, 2021, 12, 1342.	1.4	1
6	Manufacturer-data-only-based modeling and optimized design of thermoelectric harvesters operating at low temperature gradients. Energy, 2020, 213, 119015.	4.5	7
7	Spatial Equivalent Circuit Model for Simulation of On-Chip Thermoelectric Harvesters. Micromachines, 2020, 11, 574.	1.4	7
8	Hybrid Internal Combustion Engine Based Auxiliary Power Unit. Micromachines, 2020, 11, 438.	1.4	3
9	Online dynamic conductance estimation based maximum power point tracking of photovoltaic generators. Energy Conversion and Management, 2018, 166, 687-696.	4.4	12
10	Solar Irradiation Independent Expression for Photovoltaic Generator Maximum Power Line. IEEE Journal of Photovoltaics, 2017, 7, 1416-1420.	1.5	20
11	Robust maximum power point tracking of renewable energy generators. , 2016, , .		0
12	Off-the-Shelf Power Supply-Based Battery/Supercapacitor Emulator for Charger Functionality Testing. IEEE Transactions on Transportation Electrification, 2016, 2, 129-139.	5.3	9
13	Obtaining dynamic Norton parameters of a solar panel from manufacturer data. , 2016, , .		2
14	Maximum power point tracking of renewable energy generators based on sum of dynamic and static conductances. , 2016, , .		1
15	Portable Ultracapacitor-Based Power Source for Emergency Starting of Internal Combustion Engines. IEEE Transactions on Power Electronics, 2015, 30, 4283-4290.	5.4	25
16	An improved approach to extract the single-diode equivalent circuit parameters of a photovoltaic cell/panel. Renewable and Sustainable Energy Reviews, 2014, 30, 282-289.	8.2	125
17	Analysis and optimization of TEG-heatsink waste energy harvesting system for low temperature gradients. , 2014, , .		5
18	Issues in Modeling Amorphous Silicon Photovoltaic Modules by Single-Diode Equivalent Circuit. IEEE Transactions on Industrial Electronics, 2014, 61, 6785-6793.	5.2	53

#	ARTICLE	IF	CITATIONS
19	Compact energy source for emergency engine staring based synergetic battery-ultracapacitor circuit. , 2014, , .		0
20	Obtaining small photovoltaic array operational curves for arbitrary cell temperatures and solar irradiation densities from standard conditions data. Progress in Photovoltaics: Research and Applications, 2013, 21, 1016-1024.	4.4	15
21	Maximum power point matching versus maximum power point tracking for solar generators. Renewable and Sustainable Energy Reviews, 2013, 19, 11-17.	8.2	22
22	Five-parameter model of photovoltaic cell based on STC data and dimensionless. , 2012, , .		32
23	Maximum power point matching of solar arrays to arbitrary loads. , 2012, , .		1
24	Modeling of Small DC Magnetic Field Response in Trilayer Magnetoelectric Laminate Composites. Advances in Condensed Matter Physics, 2012, 2012, 1-18.	0.4	12
25	Using shape-generation code vectorization for modeling magnetic fields of spatial currents. , 2010, , .		0
26	THz imaging using Glow Discharge Detector (GDD) focal plane arrays and large aperture quasi optic mirrors. Proceedings of SPIE, 2010, , .	0.8	1
27	THz imaging of inexpensive glow discharge detector (GDD) pixel. , 2009, , .		1
28	First operation of 8Ã—8 glow discharge detector VLSI focal plane array toward mm wave and THz radiation video rate imaging. , 2009, , .		1
29	Relatively inexpensive terahertz imaging. , 2008, , .		2
30	Modeling and Analysis of Thermoelectric Modules. IEEE Transactions on Industry Applications, 2007, 43, 505-512.	3.3	315
31	User-friendly and intuitive graphical approach to the design of thermoelectric cooling systems. International Journal of Refrigeration, 2007, 30, 798-804.	1.8	42
32	Maximum power tracking of piezoelectric transformer HV converters under load variations. IEEE Transactions on Power Electronics, 2006, 21, 73-78.	5.4	47
33	Unified SPICE compatible model for large and small-signal envelope simulation of linear circuits excited by modulated signals. IEEE Transactions on Industrial Electronics, 2006, 53, 745-751.	5.2	20
34	Analysis of Thermoelectric Coolers by a Spice-Compatible Equivalent-Circuit Model. IEEE Power Electronics Letters, 2005, 3, 63-66.	1.1	85
35	Feedback isolation by piezoelectric transformers: comparison of amplitude to frequency modulation. , 0, , .		16
36	PSPICE-Compatible Equivalent Circuit of Thermoelectric Cooler. , 0, , .		13

#	ARTICLE	IF	CITATIONS
37	Modeling and analysis of thermoelectric modules. , 0, , .		16
38	A Simple and Intuitive Graphical Approach to the Design of Thermoelectric Cooling Systems. , 0, , .		5
39	Envelope Impedance: Theory and Applications. , 0, , .		1