

Donald Lupo

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

605
citations

567281

15
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

706
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of printable supercapacitors in an RF energy harvesting circuit. International Journal of Electrical Power and Energy Systems, 2014, 58, 42-46.	5.5	58
2	Performance, stability and operation voltage optimization of screen-printed aqueous supercapacitors. Scientific Reports, 2017, 7, 46001.	3.3	54
3	Gravure printed organic rectifying diodes operating at high frequencies. Organic Electronics, 2009, 10, 1011-1014.	2.6	51
4	Printed Half-Wave and Full-Wave Rectifier Circuits Based on Organic Diodes. IEEE Transactions on Electron Devices, 2013, 60, 870-874.	3.0	39
5	Behaviour of one-step spray-coated carbon nanotube supercapacitor in ambient light harvester circuit with printed organic solar cell and electrochromic display. Scientific Reports, 2016, 6, 22967.	3.3	37
6	Architectural modifications for flexible supercapacitor performance optimization. Electronic Materials Letters, 2016, 12, 795-803.	2.2	35
7	Low-cost, solution processable carbon nanotube supercapacitors and their characterization. Applied Physics A: Materials Science and Processing, 2014, 117, 1329-1334.	2.3	34
8	Current collectors for low resistance aqueous flexible printed supercapacitors. Journal of Energy Storage, 2020, 29, 101384.	8.1	32
9	Pigment-cellulose nanofibril composite and its application as a separator-substrate in printed supercapacitors. Electronic Materials Letters, 2015, 11, 1040-1047.	2.2	24
10	Monolithically prepared aqueous supercapacitors. Journal of Energy Storage, 2018, 16, 243-249.	8.1	23
11	Comparison of starch and gelatin hydrogels for non-toxic supercapacitor electrolytes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	22
12	Non-toxic printed supercapacitors operating in sub-zero conditions. Scientific Reports, 2019, 9, 14059.	3.3	22
13	High rectifier output voltages with printed organic charge pump circuit. Organic Electronics, 2014, 15, 306-310.	2.6	20
14	Additive manufacturing of monolithic supercapacitors with biopolymer separator. Journal of Applied Electrochemistry, 2020, 50, 689-697.	2.9	16
15	An improved exponential model for charge and discharge behavior of printed supercapacitor modules under varying load conditions. Journal of Power Sources, 2022, 535, 231475.	7.8	16
16	Printed organic diode backplane for matrix addressing an electrophoretic display. Thin Solid Films, 2010, 518, 4385-4389.	1.8	15
17	Viability Bounds of M2M Communication Using Energy-Harvesting and Passive Wake-Up Radio. IEEE Access, 2017, 5, 27868-27878.	4.2	15
18	Printed and organic diodes: devices, circuits and applications. Flexible and Printed Electronics, 2017, 2, 033001.	2.7	14

#	ARTICLE	IF	CITATIONS
19	Organic Rectifying Diode and Circuit for Wireless Power Harvesting at 13.56 MHz. IEEE Transactions on Electron Devices, 2014, 61, 2164-2169.	3.0	13
20	Bending reliability of screen-printed vias for a flexible energy module. Npj Flexible Electronics, 2020, 4, .	10.7	13
21	Feasibility and Fundamental Limits of Energy-Harvesting Based M2M Communications. International Journal of Wireless Information Networks, 2017, 24, 291-299.	2.7	10
22	Skin-conformable printed supercapacitors and their performance in wear. Scientific Reports, 2020, 10, 15194.	3.3	9
23	Screen Printed Vias for a Flexible Energy Harvesting and Storage Module. , 2018, , .		8
24	Feasibility and fundamental limits of energy-harvesting based M2M communications. , 2016, , .		6
25	Fabrication and characterization of solution-processed carbon nanotube supercapacitors. Materials Research Society Symposia Proceedings, 2014, 1659, 113-118.	0.1	5
26	M2M Communication Assessment in Energy-Harvesting and Wake-Up Radio Assisted Scenarios Using Practical Components. Sensors, 2018, 18, 3992.	3.8	5
27	Lifetime and reliability of flexible aqueous supercapacitors: constant voltage floating and bending experiments. , 2018, , .		4
28	Wireless Energy Harvesting and Communications: Limits and Reliability. , 2017, , .		3
29	2-volt Solution-Processed, Indium Oxide (In ₂ O ₃) Thin Film Transistors on flexible Kapton. , 2019, , .		2
30	Growth of Ultra-thin Titanium Dioxide Films by Complete Anodic Oxidation of Titanium Layers on Conductive Substrates. Materials Research Society Symposia Proceedings, 2012, 1494, 159-164.	0.1	0
31	High Throughput Electrochemical Method for Contact Optimization in Printed Rectifying Diodes. Materials Research Society Symposia Proceedings, 2014, 1628, 1.	0.1	0