

# 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	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
2	Skin-conformable printed supercapacitors and their performance in wear. Scientific Reports, 2020, 10, 15194.	3.3	9
3	Bending reliability of screen-printed vias for a flexible energy module. Npj Flexible Electronics, 2020, 4, .	10.7	13
4	Additive manufacturing of monolithic supercapacitors with biopolymer separator. Journal of Applied Electrochemistry, 2020, 50, 689-697.	2.9	16
5	Current collectors for low resistance aqueous flexible printed supercapacitors. Journal of Energy Storage, 2020, 29, 101384.	8.1	32
6	Non-toxic printed supercapacitors operating in sub-zero conditions. Scientific Reports, 2019, 9, 14059.	3.3	22
7	2-volt Solution-Processed, Indium Oxide (In <sub>2</sub> O <sub>3</sub> ) Thin Film Transistors on flexible Kapton. , 2019, , .		2
8	Monolithically prepared aqueous supercapacitors. Journal of Energy Storage, 2018, 16, 243-249.	8.1	23
9	M2M Communication Assessment in Energy-Harvesting and Wake-Up Radio Assisted Scenarios Using Practical Components. Sensors, 2018, 18, 3992.	3.8	5
10	Screen Printed Vias for a Flexible Energy Harvesting and Storage Module. , 2018, , .		8
11	Lifetime and reliability of flexible aqueous supercapacitors: constant voltage floating and bending experiments. , 2018, , .		4
12	Wireless Energy Harvesting and Communications: Limits and Reliability. , 2017, , .		3
13	Performance, stability and operation voltage optimization of screen-printed aqueous supercapacitors. Scientific Reports, 2017, 7, 46001.	3.3	54
14	Viability Bounds of M2M Communication Using Energy-Harvesting and Passive Wake-Up Radio. IEEE Access, 2017, 5, 27868-27878.	4.2	15
15	Feasibility and Fundamental Limits of Energy-Harvesting Based M2M Communications. International Journal of Wireless Information Networks, 2017, 24, 291-299.	2.7	10
16	Printed and organic diodes: devices, circuits and applications. Flexible and Printed Electronics, 2017, 2, 033001.	2.7	14
17	Comparison of starch and gelatin hydrogels for non-toxic supercapacitor electrolytes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	22
18	Feasibility and fundamental limits of energy-harvesting based M2M communications. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
19	Architectural modifications for flexible supercapacitor performance optimization. <i>Electronic Materials Letters</i> , 2016, 12, 795-803.	2.2	35
20	Behaviour of one-step spray-coated carbon nanotube supercapacitor in ambient light harvester circuit with printed organic solar cell and electrochromic display. <i>Scientific Reports</i> , 2016, 6, 22967.	3.3	37
21	Pigment-cellulose nanofibril composite and its application as a separator-substrate in printed supercapacitors. <i>Electronic Materials Letters</i> , 2015, 11, 1040-1047.	2.2	24
22	High Throughput Electrochemical Method for Contact Optimization in Printed Rectifying Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1628, 1.	0.1	0
23	Fabrication and characterization of solution-processed carbon nanotube supercapacitors. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1659, 113-118.	0.1	5
24	Organic Rectifying Diode and Circuit for Wireless Power Harvesting at 13.56 MHz. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 2164-2169.	3.0	13
25	Performance of printable supercapacitors in an RF energy harvesting circuit. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 58, 42-46.	5.5	58
26	Low-cost, solution processable carbon nanotube supercapacitors and their characterization. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1329-1334.	2.3	34
27	High rectifier output voltages with printed organic charge pump circuit. <i>Organic Electronics</i> , 2014, 15, 306-310.	2.6	20
28	Printed Half-Wave and Full-Wave Rectifier Circuits Based on Organic Diodes. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 870-874.	3.0	39
29	Growth of Ultra-thin Titanium Dioxide Films by Complete Anodic Oxidation of Titanium Layers on Conductive Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1494, 159-164.	0.1	0
30	Printed organic diode backplane for matrix addressing an electrophoretic display. <i>Thin Solid Films</i> , 2010, 518, 4385-4389.	1.8	15
31	Gravure printed organic rectifying diodes operating at high frequencies. <i>Organic Electronics</i> , 2009, 10, 1011-1014.	2.6	51