

# L M Da Silva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59  
papers

1,080  
citations

17  
h-index

30  
g-index

63  
ext. papers

1,318  
ext. citations

5.8  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
59	In-situ electrochemical and operando Raman techniques to investigate the effect of porosity in different carbon electrodes in organic electrolyte supercapacitors. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104219	7.8	1
58	Niobium pentoxide nanoparticles decorated graphene as electrode material in aqueous-based supercapacitors: Accurate determination of the working voltage window and the analysis of the distributed capacitance in the time domain. <i>Journal of Energy Storage</i> , <b>2021</b> , 44, 103371	7.8	3
57	Robust, freestanding, and bendable multi-walled carbon nanotube buckypapers as electrode materials for quasi-solid-state potassium-ion supercapacitors. <i>Diamond and Related Materials</i> , <b>2021</b> , 115, 108354	3.5	3
56	Ragone Plots for Electrochemical Double-Layer Capacitors. <i>Batteries and Supercaps</i> , <b>2021</b> , 4, 1291-1303	5.6	7
55	Characterization of porous cobalt hexacyanoferrate and activated carbon electrodes under dynamic polarization conditions in a sodium-ion pseudocapacitor. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 54, 53-62	12	9
54	Multi-walled carbon nanotubes and activated carbon composite material as electrodes for electrochemical capacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 33, 100738	7.8	12
53	Pseudocapacitive behaviour of iron oxides supported on carbon nanofibers as a composite electrode material for aqueous-based supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103052	7.8	7
52	Charge-storage mechanism of highly defective NiO nanostructures on carbon nanofibers in electrochemical supercapacitors. <i>Nanoscale</i> , <b>2021</b> , 13, 9590-9605	7.7	3
51	New Insights on the Sodium Water-in-Salt Electrolyte and Carbon Electrode Interface from Electrochemistry and Operando Raman Studies.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61139-61153 <sup>9</sup>	9.5	1153 <sup>9</sup>
50	Study of the aging process of nanostructured porous carbon-based electrodes in electrochemical capacitors filled with aqueous or organic electrolytes. <i>Journal of Energy Storage</i> , <b>2020</b> , 28, 101249	7.8	9
49	Reviewing the fundamentals of supercapacitors and the difficulties involving the analysis of the electrochemical findings obtained for porous electrode materials. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 555-590	19.4	79
48	Pseudo-capacitive behavior of multi-walled carbon nanotubes decorated with nickel and manganese (hydr)oxides nanoparticles. <i>Journal of Energy Storage</i> , <b>2020</b> , 31, 101583	7.8	9
47	A rational experimental approach to identify correctly the working voltage window of aqueous-based supercapacitors. <i>Scientific Reports</i> , <b>2020</b> , 10, 19195	4.9	12
46	Tungsten oxide and carbide composite synthesized by hot filament chemical deposition as electrodes in aqueous-based electrochemical capacitors. <i>Journal of Energy Storage</i> , <b>2019</b> , 26, 100905	7.8	5
45	Antimicrobial alumina nanobiostructures of disulfide- and triazole-linked peptides: Synthesis, characterization, membrane interactions and biological activity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 177, 94-104	6	14
44	Core-niobium pentoxide carbon-shell nanoparticles decorating multiwalled carbon nanotubes as electrode for electrochemical capacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 434, 226737	8.9	13
43	How to Measure and Calculate Equivalent Series Resistance of Electric Double-Layer Capacitors. <i>Molecules</i> , <b>2019</b> , 24,	4.8	34

42	Highly stable nickel-aluminum alloy current collectors and highly defective multi-walled carbon nanotubes active material for neutral aqueous-based electrochemical capacitors. <i>Journal of Energy Storage</i> , <b>2019</b> , 23, 116-127	7.8	11
41	Niobium pentoxide nanoparticles @ multi-walled carbon nanotubes and activated carbon composite material as electrodes for electrochemical capacitors. <i>Energy Storage Materials</i> , <b>2019</b> , 22, 311-322	19.4	23
40	Double-pulse chronoamperometry using short times for the kinetic study of simple quasi-reversible electrochemical reactions at low overpotentials. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 848, 113291	4.1	1
39	Nickel oxide nanoparticles supported onto oriented multi-walled carbon nanotube as electrodes for electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 468-483	6.7	32
38	Environmentally Friendly Functionalization of Porous Carbon Electrodes for Aqueous-Based Electrochemical Capacitors. <i>IEEE Nanotechnology Magazine</i> , <b>2019</b> , 18, 73-82	2.6	6
37	Supercapacitive properties, anomalous diffusion, and porous behavior of nanostructured mixed metal oxides containing Sn, Ru, and Ir. <i>Electrochimica Acta</i> , <b>2019</b> , 295, 302-315	6.7	5
36	Enhanced ferroelectricity and conductance in iron-doped polystyrene sulfonate. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 503-504, 103-109	3.9	
35	Nanobiostructure of fibrous-like alumina functionalized with an analog of the BP100 peptide: Synthesis, characterization and biological applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 275-283	6	11
34	Fabrication and characterisation of a mixed oxide-covered mesh electrode composed of NiCo <sub>2</sub> O <sub>4</sub> and its capability of generating hydroxyl radicals during the oxygen evolution reaction in electrolyte-free water. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 1289-1302	2.6	3
33	Degradation of paracetamol in a bubble column reactor with ozone generated in electrolyte-free water using a solid polymer electrolyte filter-press electrochemical reactor. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 1349-1363	2.6	1
32	Surface and Electrochemical Properties of Radially Oriented Multiwalled Carbon Nanotubes Grown on Stainless Steel Mesh. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A3684-A3696	3.9	14
31	Alternative method to obtain the Tafel plot for simple electrode reactions using batch injection analysis coupled with multiple-pulse amperometric detection. <i>Electrochimica Acta</i> , <b>2017</b> , 242, 180-186	6.7	10
30	An environmentally friendly electrochemical reactor for the degradation of organic pollutants in the total absence of a liquid electrolyte: A case study using diclofenac as a model pollutant. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 3873-3881	6.8	3
29	Synthesis, Characterization, and Application of Fe/Ni Bimetallic Nanoparticles for the Reductive Degradation of Nimesulide. <i>Clean - Soil, Air, Water</i> , <b>2017</b> , 45,	1.6	2
28	Electrochemical ozone production using electrolyte-free water for environmental applications. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 418-427	6.8	15
27	Fabrication and characterisation of mixed oxide-covered mesh electrodes of nominal composition Ni(x)Co(1-x)Oy supported on stainless-steel prepared by thermal decomposition using the slow cooling rate method. <i>Electrochimica Acta</i> , <b>2016</b> , 194, 127-135	6.7	6
26	Characterisation of silica-supported Fe/Ni bimetallic nanoparticles and kinetic study of reductive degradation of the drug nimesulide. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 4354-4365	6.8	14
25	Preparation, characterization, and application in biosensors of functionalized platforms with poly(4-aminobenzoic acid). <i>Journal of Materials Science</i> , <b>2015</b> , 50, 1103-1116	4.3	10

24	Application of oxide fine-mesh electrodes composed of Sb-SnO <sub>2</sub> for the electrochemical oxidation of Cibacron Marine FG using an SPE filter-press reactor. <i>Electrochimica Acta</i> , <b>2014</b> , 146, 714-732	6.7	14
23	Fabrication and characterization of oxide fine-mesh electrodes composed of Sb-SnO <sub>2</sub> and study of oxygen evolution from the electrolysis of electrolyte-free water in a solid polymer electrolyte filter-press cell: Possibilities for the combustion of organic pollutants. <i>Electrochimica Acta</i> , <b>2014</b> , 146, 733-744	6.7	11
22	Decolorization, Degradation and Toxicity of Dye Solutions Containing Orange Cassafix <sup>®</sup> CA-2R after UV/H <sub>2</sub> O <sub>2</sub> Oxidation under Laminar Flow Conditions. <i>Journal of Advanced Oxidation Technologies</i> , <b>2014</b> , 17, 104-111		1
21	Simultaneous Determination of Paracetamol and Ibuprofen in Pharmaceutical Samples by Differential Pulse Voltammetry Using a Boron-Doped Diamond Electrode. <i>Journal of the Brazilian Chemical Society</i> , <b>2014</b> , 25, 103-108	1.5	9
20	Electrochemical impedance spectroscopy study of the oxygen evolution reaction on a gas-evolving anode composed of lead dioxide microfibers. <i>Electrochimica Acta</i> , <b>2013</b> , 90, 332-343	6.7	33
19	Determinao de nimesulida por anlise por injeo em fluxo com deteco amperomtrica de mltiplos pulsos. <i>Quimica Nova</i> , <b>2013</b> , 36, 1296-1302	1.6	15
18	Fabrication and characterization of a porous gas-evolving anode constituted of lead dioxide microfibers electroformed on a carbon cloth substrate. <i>Electrochimica Acta</i> , <b>2012</b> , 70, 365-374	6.7	18
17	Influncia das condies de resfriamento sobre as propriedades superficiais e eletroqumicas de anodos dimensionalmente estveis. <i>Quimica Nova</i> , <b>2011</b> , 34, 200-205	1.6	8
16	Synthesis, characterization and electrochemical behavior of the vanadium pentoxide/cetyl pyridinium chloride hybrid material. <i>Journal of Solid State Electrochemistry</i> , <b>2010</b> , 14, 305-312	2.6	3
15	Characterization of an electrochemical reactor for the ozone production in electrolyte-free water. <i>Journal of Applied Electrochemistry</i> , <b>2010</b> , 40, 855-864	2.6	28
14	Chemical Reduction of Hexavalent Chromium Present in Contaminated Soil using a Packed-bed Column Reactor. <i>Clean - Soil, Air, Water</i> , <b>2009</b> , 37, 858-865	1.6	7
13	Reduction of Hexavalent Chromium in Soil and Ground Water Using Zero-Valent Iron Under Batch and Semi-Batch Conditions. <i>Water, Air, and Soil Pollution</i> , <b>2009</b> , 197, 49-60	2.6	54
12	Chemical Reduction of Hexavalent Chromium and Its Immobilisation Under Batch Conditions Using a Slurry Reactor. <i>Water, Air, and Soil Pollution</i> , <b>2009</b> , 203, 305-315	2.6	9
11	Application of electrochemically generated ozone to the discoloration and degradation of solutions containing the dye Reactive Orange 122. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 10-7	12.8	45
10	Electrochemical Ozone Production as an Environmentally Friendly Technology for Water Treatment. <i>Clean - Soil, Air, Water</i> , <b>2008</b> , 36, 34-44	1.6	17
9	Electrochemical investigation of the passive behaviour of biomaterials based on Ag/Sn and Cu/Zn/Al in carbonate buffer in the absence and presence of chloride. <i>Journal of Applied Electrochemistry</i> , <b>2007</b> , 37, 961-969	2.6	5
8	Improvement of the electrochemical properties of $\beta$ s-grown boron-doped polycrystalline diamond electrodes deposited on tungsten wires using ethanol. <i>Journal of Solid State Electrochemistry</i> , <b>2007</b> , 11, 1449-1457	2.6	22
7	Surface, kinetics and electrocatalytic properties of the Ti/(Ti+Ru+Ce)O <sub>2</sub> -system for the oxygen evolution reaction in alkaline medium. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 2809-2818	6.7	25

6	Characterisation of a laboratory electrochemical ozonation system and its application in advanced oxidation processes. <i>Journal of Applied Electrochemistry</i> , <b>2006</b> , 36, 523-530	2.6	30
5	Surface, kinetics and electrocatalytic properties of Ti/(IrO <sub>2</sub> + Ta <sub>2</sub> O <sub>5</sub> ) electrodes, prepared using controlled cooling rate, for ozone production. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 3977-3988	6.7	81
4	Electrochemical impedance spectroscopy study during accelerated life test of conductive oxides: Ti/(Ru + Ti + Ce)O <sub>2</sub> -system. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 4893-4906	6.7	43
3	Electrochemical ozone production: influence of the supporting electrolyte on kinetics and current efficiency. <i>Electrochimica Acta</i> , <b>2003</b> , 48, 699-709	6.7	127
2	Investigation of surface properties of Ru-based oxide electrodes containing Ti, Ce and Nb. <i>Electrochimica Acta</i> , <b>2003</b> , 48, 1885-1891	6.7	24
1	Green processes for environmental application. Electrochemical ozone production. <i>Pure and Applied Chemistry</i> , <b>2001</b> , 73, 1871-1884	2.1	61