

# Luiza A Mercante

## 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.

54  
papers

1,493  
citations

23  
h-index

38  
g-index

57  
ext. papers

1,840  
ext. citations

5.1  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
54	Electronic nose based on hybrid free-standing nanofibrous mats for meat spoilage monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 353, 131114	8.5	7
53	Rational hydrothermal synthesis of graphene quantum dots with optimized luminescent properties for sensing applications. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100755	6.2	2
52	Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. <i>Sensors and Actuators Reports</i> , <b>2022</b> , 4, 100068	4.7	1
51	Advances in 3D printed sensors for food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2022</b> , 116672	14.6	1
50	Chitosan/Gold Nanoparticles Nanocomposite Film for Bisphenol A Electrochemical Sensing. <i>Electrochem</i> , <b>2022</b> , 3, 239-247	2.9	2
49	Electrical Impedance-Based Electronic Tongues: Principles, Sensing Materials, Fabrication Techniques and Applications <b>2021</b> ,		1
48	Electrospun composite nanofibers as sensors for food analysis <b>2021</b> , 261-286		3
47	Electrochemical Detection of Bisphenol A by Tyrosinase Immobilized on Electrospun Nanofibers Decorated with Gold Nanoparticles. <i>Electrochem</i> , <b>2021</b> , 2, 41-49	2.9	7
46	Chemical Sensors Based on Nanofibers Produced by Electrospinning and Solution Blow Spinning <b>2021</b> ,		0
45	Nanocomposite-Based Chemiresistive Electronic Nose and Application in Coffee Analysis. <i>ACS Food Science &amp; Technology</i> , <b>2021</b> , 1, 1464-1471		1
44	Graphene Quantum Dots-Based Nanocomposites Applied in Electrochemical Sensors: A Recent Survey. <i>Electrochem</i> , <b>2021</b> , 2, 490-519	2.9	3
43	Discriminative detection of volatile organic compounds using an electronic nose based on TiO <sub>2</sub> hybrid nanostructures. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 344, 130124	8.5	8
42	Nanofibers interfaces for biosensing: Design and applications. <i>Sensors and Actuators Reports</i> , <b>2021</b> , 3, 100048	4.7	5
41	Design of a bioelectronic tongue for glucose monitoring using zinc oxide nanofibers and graphene derivatives. <i>Sensors and Actuators Reports</i> , <b>2021</b> , 3, 100050	4.7	3
40	Nanochitin-based composite films as a disposable ethanol sensor. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104163	6.8	4
39	Free-standing SiO <sub>2</sub> /TiO <sub>2</sub> /MoS <sub>2</sub> composite nanofibrous membranes as nanoadsorbents for efficient Pb(II) removal. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13030-13035	3.6	12
38	Green and low-cost electrospun membranes from polycaprolactone/graphene oxide for Bisphenol A sensing. <i>Materials Letters</i> , <b>2020</b> , 274, 128014	3.3	8

37	Electrochemical sensor based on polyamide 6/polypyrrole electrospun nanofibers coated with reduced graphene oxide for malathion pesticide detection. <i>Materials Research Express</i> , <b>2020</b> , 7, 015601	1.7	24
36	A review on graphene quantum dots and their nanocomposites: from laboratory synthesis towards agricultural and environmental applications. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 3710-3734	7.1	41
35	Random laser in dye-doped electrospun nanofibers: Study of laser mode dynamics via temporal mapping of emission spectra using Pearson's correlation. <i>Journal of Luminescence</i> , <b>2020</b> , 224, 117281	3.8	7
34	Biocompatible and Biodegradable Electrospun Nanofibrous Membranes Loaded with Grape Seed Extract for Wound Dressing Application. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-11	3.2	23
33	Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques <b>2019</b> , 441-468		1
32	Electrospun Ceramic Nanofibers and Hybrid-Nanofiber Composites for Gas Sensing. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 4026-4042	5.6	40
31	Enhanced and selective ammonia detection using In <sub>2</sub> O <sub>3</sub> /reduced graphene oxide hybrid nanofibers. <i>Applied Surface Science</i> , <b>2019</b> , 473, 133-140	6.7	34
30	Micropatterning MoS <sub>2</sub> /Polyamide Electrospun Nanofibrous Membranes Using Femtosecond Laser Pulses. <i>Photonics</i> , <b>2019</b> , 6, 3	2.2	6
29	Urea impedimetric biosensing using electrospun nanofibers modified with zinc oxide nanoparticles. <i>Applied Surface Science</i> , <b>2018</b> , 443, 18-23	6.7	46
28	ZnO-Co <sub>3</sub> O <sub>4</sub> heterostructure electrospun nanofibers modified with poly(sodium 4-styrenesulfonate): Evaluation of humidity sensing properties. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 767, 1022-1029	5.7	16
27	Ultrasensitive biosensor based on polyvinylpyrrolidone/chitosan/reduced graphene oxide electrospun nanofibers for 17 $\beta$ -Ethinylestradiol electrochemical detection. <i>Applied Surface Science</i> , <b>2018</b> , 458, 431-437	6.7	41
26	Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques <b>2018</b> , 1-29		
25	Biocompatible electrospun nanofibers containing cloxacillin: Antibacterial activity and effect of pH on the release profile. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 132, 26-35	4.6	23
24	One-pot preparation of PEDOT:PSS-reduced graphene decorated with Au nanoparticles for enzymatic electrochemical sensing of H <sub>2</sub> O <sub>2</sub> . <i>Applied Surface Science</i> , <b>2017</b> , 407, 162-170	6.7	56
23	Detection of trace levels of organophosphate pesticides using an electronic tongue based on graphene hybrid nanocomposites. <i>Talanta</i> , <b>2017</b> , 167, 59-66	6.2	109
22	Electrospinning-based (bio)sensors for food and agricultural applications: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 91, 91-103	14.6	154
21	Solution blow spun PMMA nanofibers wrapped with reduced graphene oxide as an efficient dye adsorbent. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 9087-9094	3.6	39
20	Hybrid composite material based on polythiophene derivative nanofibers modified with gold nanoparticles for optoelectronics applications. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 1919-1929	4.3	29

19	Chemical sensors based on hybrid nanomaterials for food analysis <b>2017</b> , 205-244		9
18	Fluorescent and Colorimetric Electrospun Nanofibers for Heavy-Metal Sensing. <i>Biosensors</i> , <b>2017</b> , 7,	5.9	55
17	An electronic tongue based on conducting electrospun nanofibers for detecting tetracycline in milk samples. <i>RSC Advances</i> , <b>2016</b> , 6, 103740-103746	3.7	24
16	Graphene-based Janus micromotors for the dynamic removal of pollutants. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3371-3378	13	94
15	Molecularly Imprinted Polymer-Decorated Magnetite Nanoparticles for Selective Sulfonamide Detection. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3578-84	7.8	111
14	Layer-by-Layer assembled films of chitosan and multi-walled carbon nanotubes for the electrochemical detection of 17 $\beta$ -ethinylestradiol. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 755, 215-220	4.1	43
13	Improving the electrochemical properties of polyamide 6/polyaniline electrospun nanofibers by surface modification with ZnO nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 73875-73881	3.7	37
12	Electronic Tongue Based on Nanostructured Hybrid Films of Gold Nanoparticles and Phthalocyanines for Milk Analysis. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-7	3.2	19
11	Synthesis and characterization of montmorillonite clay intercalated with molecular magnetic compounds. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 228, 99-104	3.3	19
10	A New Quartz-like Metal-Organic Framework Constructed from a Versatile Pyrazole-Based Spacer. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 1027-1030	3.5	9
9	Electrospun polyamide 6/poly(allylamine hydrochloride) nanofibers functionalized with carbon nanotubes for electrochemical detection of dopamine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4784-90	9.5	147
8	Layer-by-layer fabrication of AgCl-PANI hybrid nanocomposite films for electronic tongues. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 24275-81	3.6	28
7	Fluorescent PMMA/MEH-PPV electrospun nanofibers: Investigation of morphology, solvent, and surfactant effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2014</b> , 52, 1388-1394	2.6	27
6	Characterization of surface ligands on functionalized magnetic nanoparticles using laser desorption/ionization mass spectrometry (LDI-MS). <i>Nanoscale</i> , <b>2013</b> , 5, 5063-6	7.7	21
5	New synthetic route toward heterometallic 3d-3d and 3d-4f single-molecule magnets. The first Co(II)-Mn(III) heterometallic complex. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8309-11	5.1	32
4	Synthesis, crystal structure and magnetism of three novel copper(II) complexes with pyrazole-based ligands. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1011, 99-104	3.4	12
3	Magnetic properties of nanoscale crystalline maghemite obtained by a new synthetic route. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3029-3033	2.8	34
2	Intralaboratory validation, comparison and application of HPLC-UV-DAD methods for simultaneous determination of benzalkonium chloride, clorexidine digluconate and triclosan. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> , 22, 1913-1920	1.5	4

- 1 Recent trends in nanozymes design: from materials and structures to environmental applications. *Materials Chemistry Frontiers*, 7.8 9