

Luiza A Mercante

List of Publications by Citations

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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	Electrospinning-based (bio)sensors for food and agricultural applications: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 91, 91-103	14.6	154
53	Electrospun polyamide 6/poly(allylamine hydrochloride) nanofibers functionalized with carbon nanotubes for electrochemical detection of dopamine. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4784-90	9.5	147
52	Molecularly Imprinted Polymer-Decorated Magnetite Nanoparticles for Selective Sulfonamide Detection. <i>Analytical Chemistry</i> , 2016 , 88, 3578-84	7.8	111
51	Detection of trace levels of organophosphate pesticides using an electronic tongue based on graphene hybrid nanocomposites. <i>Talanta</i> , 2017 , 167, 59-66	6.2	109
50	Graphene-based Janus micromotors for the dynamic removal of pollutants. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3371-3378	13	94
49	One-pot preparation of PEDOT:PSS-reduced graphene decorated with Au nanoparticles for enzymatic electrochemical sensing of H ₂ O ₂ . <i>Applied Surface Science</i> , 2017 , 407, 162-170	6.7	56
48	Fluorescent and Colorimetric Electrospun Nanofibers for Heavy-Metal Sensing. <i>Biosensors</i> , 2017 , 7,	5.9	55
47	Urea impedimetric biosensing using electrospun nanofibers modified with zinc oxide nanoparticles. <i>Applied Surface Science</i> , 2018 , 443, 18-23	6.7	46
46	Layer-by-Layer assembled films of chitosan and multi-walled carbon nanotubes for the electrochemical detection of 17 β -ethinylestradiol. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 755, 215-220	4.1	43
45	Ultrasensitive biosensor based on polyvinylpyrrolidone/chitosan/reduced graphene oxide electrospun nanofibers for 17 β -ethinylestradiol electrochemical detection. <i>Applied Surface Science</i> , 2018 , 458, 431-437	6.7	41
44	A review on graphene quantum dots and their nanocomposites: from laboratory synthesis towards agricultural and environmental applications. <i>Environmental Science: Nano</i> , 2020 , 7, 3710-3734	7.1	41
43	Electrospun Ceramic Nanofibers and Hybrid-Nanofiber Composites for Gas Sensing. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4026-4042	5.6	40
42	Solution blow spun PMMA nanofibers wrapped with reduced graphene oxide as an efficient dye adsorbent. <i>New Journal of Chemistry</i> , 2017 , 41, 9087-9094	3.6	39
41	Improving the electrochemical properties of polyamide 6/polyaniline electrospun nanofibers by surface modification with ZnO nanoparticles. <i>RSC Advances</i> , 2015 , 5, 73875-73881	3.7	37
40	Magnetic properties of nanoscale crystalline maghemite obtained by a new synthetic route. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3029-3033	2.8	34
39	Enhanced and selective ammonia detection using In ₂ O ₃ /reduced graphene oxide hybrid nanofibers. <i>Applied Surface Science</i> , 2019 , 473, 133-140	6.7	34
38	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> , 2013 , 52, 8309-11	5.1	32

37	Hybrid composite material based on polythiophene derivative nanofibers modified with gold nanoparticles for optoelectronics applications. <i>Journal of Materials Science</i> , 2017 , 52, 1919-1929	4.3	29
36	Layer-by-layer fabrication of AgCl-PANI hybrid nanocomposite films for electronic tongues. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24275-81	3.6	28
35	Fluorescent PMMA/MEH-PPV electrospun nanofibers: Investigation of morphology, solvent, and surfactant effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1388-1394	2.6	27
34	An electronic tongue based on conducting electrospun nanofibers for detecting tetracycline in milk samples. <i>RSC Advances</i> , 2016 , 6, 103740-103746	3.7	24
33	Electrochemical sensor based on polyamide 6/polypyrrole electrospun nanofibers coated with reduced graphene oxide for malathion pesticide detection. <i>Materials Research Express</i> , 2020 , 7, 015601	1.7	24
32	Biocompatible and Biodegradable Electrospun Nanofibrous Membranes Loaded with Grape Seed Extract for Wound Dressing Application. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-11	3.2	23
31	Biocompatible electrospun nanofibers containing cloxacillin: Antibacterial activity and effect of pH on the release profile. <i>Reactive and Functional Polymers</i> , 2018 , 132, 26-35	4.6	23
30	Characterization of surface ligands on functionalized magnetic nanoparticles using laser desorption/ionization mass spectrometry (LDI-MS). <i>Nanoscale</i> , 2013 , 5, 5063-6	7.7	21
29	Electronic Tongue Based on Nanostructured Hybrid Films of Gold Nanoparticles and Phthalocyanines for Milk Analysis. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	19
28	Synthesis and characterization of montmorillonite clay intercalated with molecular magnetic compounds. <i>Journal of Solid State Chemistry</i> , 2015 , 228, 99-104	3.3	19
27	ZnO-Co ₃ O ₄ heterostructure electrospun nanofibers modified with poly(sodium 4-styrenesulfonate): Evaluation of humidity sensing properties. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 1022-1029	5.7	16
26	Free-standing SiO ₂ /TiO ₂ /MoS ₂ composite nanofibrous membranes as nanoadsorbents for efficient Pb(II) removal. <i>New Journal of Chemistry</i> , 2020 , 44, 13030-13035	3.6	12
25	Synthesis, crystal structure and magnetism of three novel copper(II) complexes with pyrazole-based ligands. <i>Journal of Molecular Structure</i> , 2012 , 1011, 99-104	3.4	12
24	Chemical sensors based on hybrid nanomaterials for food analysis 2017 , 205-244		9
23	A New Quartz-like Metal-Organic Framework Constructed from a Versatile Pyrazole-Based Spacer. <i>Crystal Growth and Design</i> , 2015 , 15, 1027-1030	3.5	9
22	Recent trends in nanozymes design: from materials and structures to environmental applications. <i>Materials Chemistry Frontiers</i> ,	7.8	9
21	Green and low-cost electrospun membranes from polycaprolactone/graphene oxide for Bisphenol A sensing. <i>Materials Letters</i> , 2020 , 274, 128014	3.3	8
20	Discriminative detection of volatile organic compounds using an electronic nose based on TiO ₂ hybrid nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130124	8.5	8

19	Electronic nose based on hybrid free-standing nanofibrous mats for meat spoilage monitoring. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131114	8.5	7
18	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> , 2020 , 224, 117281	3.8	7
17	Electrochemical Detection of Bisphenol A by Tyrosinase Immobilized on Electrospun Nanofibers Decorated with Gold Nanoparticles. <i>Electrochem</i> , 2021 , 2, 41-49	2.9	7
16	Micropatterning MoS ₂ /Polyamide Electrospun Nanofibrous Membranes Using Femtosecond Laser Pulses. <i>Photonics</i> , 2019 , 6, 3	2.2	6
15	Nanofibers interfaces for biosensing: Design and applications. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100048	4.7	5
14	Nanochitin-based composite films as a disposable ethanol sensor. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104163	6.8	4
13	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> , 2011 , 22, 1913-1920	1.5	4
12	Electrospun composite nanofibers as sensors for food analysis 2021 , 261-286		3
11	Graphene Quantum Dots-Based Nanocomposites Applied in Electrochemical Sensors: A Recent Survey. <i>Electrochem</i> , 2021 , 2, 490-519	2.9	3
10	Design of a bioelectronic tongue for glucose monitoring using zinc oxide nanofibers and graphene derivatives. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100050	4.7	3
9	Rational hydrothermal synthesis of graphene quantum dots with optimized luminescent properties for sensing applications. <i>Materials Today Chemistry</i> , 2022 , 23, 100755	6.2	2
8	Chitosan/Gold Nanoparticles Nanocomposite Film for Bisphenol A Electrochemical Sensing. <i>Electrochem</i> , 2022 , 3, 239-247	2.9	2
7	Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques 2019 , 441-468		1
6	Electrical Impedance-Based Electronic Tongues: Principles, Sensing Materials, Fabrication Techniques and Applications 2021 ,		1
5	Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. <i>Sensors and Actuators Reports</i> , 2022 , 4, 100068	4.7	1
4	Nanocomposite-Based Chemiresistive Electronic Nose and Application in Coffee Analysis. <i>ACS Food Science & Technology</i> , 2021 , 1, 1464-1471		1
3	Advances in 3D printed sensors for food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116672	14.6	1
2	Chemical Sensors Based on Nanofibers Produced by Electrospinning and Solution Blow Spinning 2021 ,		0

- 1 Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques **2018**, 1-29