

Murilo Henrique Moreira Facure

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31
papers

516
citations

12
h-index

22
g-index

34
ext. papers

748
ext. citations

5.9
avg, IF

4.46
L-index

#	Paper	IF	Citations
31	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
30	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
29	Conductive electrospun nanofibers containing cellulose nanowhiskers and reduced graphene oxide for the electrochemical detection of mercury(II). <i>Carbohydrate Polymers</i> , 2019 , 207, 747-754	10.3	47
28	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
27	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
26	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
25	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
24	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
23	A Review on the Role and Performance of Cellulose Nanomaterials in Sensors. <i>ACS Sensors</i> , 2021 , 6, 2473-2496	18	18
22	Femtosecond laser micromachining of polylactic acid/graphene composites for designing interdigitated microelectrodes for sensor applications. <i>Optics and Laser Technology</i> , 2018 , 101, 74-79	4.2	18
21	Impedimetric electronic tongue based on molybdenum disulfide and graphene oxide for monitoring antibiotics in liquid media. <i>Talanta</i> , 2020 , 217, 121039	6.2	16
20	Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Post-Modification Methods. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100430	4.6	12
19	Recent trends in nanozymes design: from materials and structures to environmental applications. <i>Materials Chemistry Frontiers</i> ,	7.8	9
18	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
17	Development of an Electronic Tongue Based on a Nanocomposite for Discriminating Flavor Enhancers and Commercial Salts. <i>IEEE Sensors Journal</i> , 2021 , 21, 1250-1256	4	7
16	Nanochitin-based composite films as a disposable ethanol sensor. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104163	6.8	4
15	Laser patterning and induced reduction of graphene oxide functionalized silk fibroin. <i>Optical Materials</i> , 2020 , 99, 109540	3.3	4

14	Dye Adsorption Capacity of MoS ₂ Nanoflakes Immobilized on Poly(lactic acid) Fibrous Membranes. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4881-4894	5.6	4
13	Two-dimensional MoS ₂ -based impedimetric electronic tongue for the discrimination of endocrine disrupting chemicals using machine learning. <i>Sensors and Actuators B: Chemical</i> , 2021 , 336, 129696	8.5	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	Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques 2019 , 441-468		1
7	Electrical Impedance-Based Electronic Tongues: Principles, Sensing Materials, Fabrication Techniques and Applications 2021 ,		1
6	Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. <i>Sensors and Actuators Reports</i> , 2022 , 4, 100068	4.7	1
5	A Principal Curves-Based Method for Electronic Tongue Data Analysis. <i>IEEE Sensors Journal</i> , 2021 , 21, 4957-4965	4	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		