

# Rafaela S Andrã©

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,299  
citations

304368

22  
h-index

476904

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1682  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid nanomaterials designed for volatile organic compounds sensors: A review. <i>Materials and Design</i> , 2018, 156, 154-166.	3.3	128
2	Potentiated Electron Transference in $\text{Ag}_2\text{WO}_4$ Microcrystals with Ag Nanofilaments as Microbial Agent. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5769-5778.	1.1	99
3	Hybrid layer-by-layer (LbL) films of polyaniline, graphene oxide and zinc oxide to detect ammonia. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 795-801.	4.0	81
4	A review on chemiresistive ZnO gas sensors. <i>Sensors and Actuators Reports</i> , 2022, 4, 100100.	2.3	75
5	Fluorescent and Colorimetric Electrospun Nanofibers for Heavy-Metal Sensing. <i>Biosensors</i> , 2017, 7, 61.	2.3	73
6	Electrospun Ceramic Nanofibers and Hybrid-Nanofiber Composites for Gas Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 4026-4042.	2.4	70
7	Urea impedimetric biosensing using electrospun nanofibers modified with zinc oxide nanoparticles. <i>Applied Surface Science</i> , 2018, 443, 18-23.	3.1	68
8	Enhanced and selective ammonia detection using $\text{In}_2\text{O}_3$ /reduced graphene oxide hybrid nanofibers. <i>Applied Surface Science</i> , 2019, 473, 133-140.	3.1	59
9	Structural evolution of Eu-doped hydroxyapatite nanorods monitored by photoluminescence emission. <i>Journal of Alloys and Compounds</i> , 2012, 531, 50-54.	2.8	50
10	Trace Ethylene Sensing via Wacker Oxidation. <i>ACS Central Science</i> , 2020, 6, 507-512.	5.3	48
11	A theoretical investigation of the structural and electronic properties of orthorhombic $\text{CaZrO}_3$ . <i>Ceramics International</i> , 2015, 41, 3069-3074.	2.3	45
12	Biocompatible and Biodegradable Electrospun Nanofibrous Membranes Loaded with Grape Seed Extract for Wound Dressing Application. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	1.5	45
13	Synthesis by a chemical method and characterization of $\text{CaZrO}_3$ powders: Potential application as humidity sensors. <i>Ceramics International</i> , 2014, 40, 16627-16634.	2.3	44
14	Improving the electrochemical properties of polyamide 6/polyaniline electrospun nanofibers by surface modification with ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 73875-73881.	1.7	44
15	Sensitive and Selective $\text{NH}_3$ Monitoring at Room Temperature Using ZnO Ceramic Nanofibers Decorated with Poly(styrene sulfonate). <i>Sensors</i> , 2018, 18, 1058.	2.1	43
16	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.	1.9	42
17	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.	2.0	37
18	Antifungal Applications of Ag-Decorated Hydroxyapatite Nanoparticles. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	1.5	31

#	ARTICLE	IF	CITATIONS
19	Wireless Tags with Hybrid Nanomaterials for Volatile Amine Detection. ACS Sensors, 2021, 6, 2457-2464.	4.0	29
20	Antimicrobial activity of TiO <sub>2</sub> :Ag nanocrystalline heterostructures: Experimental and theoretical insights. Chemical Physics, 2015, 459, 87-95.	0.9	28
21	Electronic nose based on hybrid free-standing nanofibrous mats for meat spoilage monitoring. Sensors and Actuators B: Chemical, 2022, 353, 131114.	4.0	27
22	ZnO-Co <sub>3</sub> O <sub>4</sub> heterostructure electrospun nanofibers modified with poly(sodium 4-styrenesulfonate): Evaluation of humidity sensing properties. Journal of Alloys and Compounds, 2018, 767, 1022-1029.	2.8	26
23	Photoluminescence properties of CaTiO <sub>3</sub> :Eu <sup>3+</sup> nanophosphor obtained by the polymeric precursor method. Materials Chemistry and Physics, 2014, 145, 141-150.	2.0	19
24	Free-standing SiO <sub>2</sub> /TiO <sub>2</sub> @MoS <sub>2</sub> composite nanofibrous membranes as nanoadsorbents for efficient Pb(II) removal. New Journal of Chemistry, 2020, 44, 13030-13035.	1.4	19
25	Discriminative detection of volatile organic compounds using an electronic nose based on TiO <sub>2</sub> hybrid nanostructures. Sensors and Actuators B: Chemical, 2021, 344, 130124.	4.0	19
26	A flexible and disposable poly(sodium 4-styrenesulfonate)/polyaniline coated glass microfiber paper for sensitive and selective detection of ammonia at room temperature. Synthetic Metals, 2017, 233, 22-27.	2.1	15
27	Nanochitin-based composite films as a disposable ethanol sensor. Journal of Environmental Chemical Engineering, 2020, 8, 104163.	3.3	13
28	Design of a bioelectronic tongue for glucose monitoring using zinc oxide nanofibers and graphene derivatives. Sensors and Actuators Reports, 2021, 3, 100050.	2.3	9
29	Electrospun composite nanofibers as sensors for food analysis. , 2021, , 261-286.		5
30	Nanocomposite-Based Chemiresistive Electronic Nose and Application in Coffee Analysis. ACS Food Science & Technology, 2021, 1, 1464-1471.	1.3	5
31	Sensing Materials: Nanofibers Produced by Electrospinning and Solution Blow Spinning. , 2023, , 521-541.		2
32	Fundamentals and applications of impedimetric electronic tongues. , 0, , .		1
33	NANOFIBRAS ELETROFIADAS E SUAS APLICAÇÕES: AVANÇOS NA ÚLTIMA DÉCADA. Quimica Nova, 0, , .	0.3	0