

Aditya Rianjanu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1366218/publications.pdf>

Version: 2024-02-01

29
papers

787
citations

471061
17
h-index

525886
27
g-index

29
all docs

29
docs citations

29
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	UV sensitivity enhancement in ZnO:Cu films through simple post-annealing treatment. <i>Physica B: Condensed Matter</i> , 2022, 628, 413603.	1.3	5
2	Electrospun Polyacrylonitrile Nanofibers Mixed with Citric Acid as a Quartz Crystal Microbalance Ammonia Vapor Sensor. <i>ChemistrySelect</i> , 2022, 7, .	0.7	6
3	Hybrid learning method based on feature clustering and scoring for enhanced COVID-19 breath analysis by an electronic nose. <i>Artificial Intelligence in Medicine</i> , 2022, 129, 102323.	3.8	21
4	Stability evaluation of quartz crystal microbalances coated with polyvinyl acetate nanofibrous mats as butanol vapor sensors. <i>Materials Today Communications</i> , 2021, 26, 101770.	0.9	11
5	Room-temperature ppb-level trimethylamine gas sensors functionalized with citric acid-doped polyvinyl acetate nanofibrous mats. <i>Materials Advances</i> , 2021, 2, 3705-3714.	2.6	26
6	Electrospun Nanofibers for Quartz Crystal Microbalance Gas Sensors: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 9957-9975.	2.4	38
7	Sensitivity prediction and analysis of nanofiber-based gas sensors using solubility and vapor pressure parameters. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 107001.	0.8	7
8	Gas and humidity sensing with quartz crystal microbalance (QCM) coated with graphene-based materials – A mini review. <i>Sensors and Actuators A: Physical</i> , 2021, 330, 112837.	2.0	89
9	Possibility Routes for Textile Recycling Technology. <i>Polymers</i> , 2021, 13, 3834.	2.0	47
10	Electrospun polyvinyl acetate nanofiber modified quartz crystal microbalance for detection of primary alcohol vapor. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111742.	2.0	26
11	Intelligent Mobile Electronic Nose System Comprising a Hybrid Polymer-Functionalized Quartz Crystal Microbalance Sensor Array. <i>ACS Omega</i> , 2020, 5, 29492-29503.	1.6	46
12	Quartz crystal microbalance humidity sensors integrated with hydrophilic polyethyleneimine-grafted polyacrylonitrile nanofibers. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128286.	4.0	54
13	Enhanced sensitivity and selectivity of ammonia sensing by QCM modified with boric acid-doped PVAc nanofiber. <i>Sensors and Actuators A: Physical</i> , 2020, 304, 111902.	2.0	35
14	Quartz Crystal Microbalances Functionalized with Citric Acid-Doped Polyvinyl Acetate Nanofibers for Ammonia Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 5687-5697.	2.4	45
15	Polyethyleneimine-Modified Quartz Crystal Microbalance and its Characteristics for Detecting Acetic Acid. <i>Materials Science Forum</i> , 2019, 948, 294-299.	0.3	0
16	A study of quartz crystal microbalance modified with polyvinyl acetate nanofiber to differentiate short-chain alcohol isomers. <i>Sensing and Bio-Sensing Research</i> , 2019, 25, 100294.	2.2	20
17	Quartz crystal microbalance-coated cellulose acetate nanofibers overlaid with chitosan for detection of acetic anhydride vapor. <i>Results in Physics</i> , 2019, 15, 102680.	2.0	21
18	A highly sensitive safrole sensor based on polyvinyl acetate (PVAc) nanofiber-coated QCM. <i>Scientific Reports</i> , 2019, 9, 15407.	1.6	41

#	ARTICLE	IF	CITATIONS
19	Polyacrylamide Coated on Quartz Crystal Microbalance Electrodes for Highly Sensitive Sensor of Acetic Acid. <i>Materials Science Forum</i> , 2019, 948, 254-259.	0.3	1
20	Polyvinyl Acetate Film-Based Quartz Crystal Microbalance for the Detection of Benzene, Toluene, and Xylene Vapors in Air. <i>Chemosensors</i> , 2019, 7, 20.	1.8	27
21	An Enhanced Safrole Sensing Performance of a Polyacrylonitrile Nanofiber- Based-QCM Sensor by Overlaying with Chitosan. <i>Sains Malaysiana</i> , 2019, 48, 2041-2049.	0.3	9
22	Quartz crystal microbalance coated with PEDOT/PSS/PVA nanofiber for a high-performance humidity sensor. <i>Journal of Sensors and Sensor Systems</i> , 2019, 8, 243-250.	0.6	27
23	Polyacrylonitrile nanofiber as polar solvent N,N-dimethyl formamide sensor based on quartz crystal microbalance technique. <i>Journal of Physics: Conference Series</i> , 2018, 1011, 012067.	0.3	9
24	Swelling Behavior in Solvent Vapor Sensing based on Quartz Crystal Microbalance (QCM) Coated Polyacrylonitrile (PAN) Nanofiber. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 367, 012020.	0.3	13
25	Chitosan-Based Quartz Crystal Microbalance for Alcohol Sensing. <i>Electronics (Switzerland)</i> , 2018, 7, 181.	1.8	38
26	Polyacrylonitrile Nanofiber-Based Quartz Crystal Microbalance for Sensitive Detection of Safrole. <i>Sensors</i> , 2018, 18, 1150.	2.1	31
27	Solvent vapor treatment improves mechanical strength of electrospun polyvinyl alcohol nanofibers. <i>Heliyon</i> , 2018, 4, e00592.	1.4	70
28	Quartz crystal microbalance coated by PAN nanofibers and PEDOT:PSS for humidity sensor. , 2017, , .		11
29	Electrical Conductivity Improvement of Polyvinyl Alcohol Nanofiber by Solvent Vapour Treatment. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2016, 6, 675.	0.2	13