

Aditya Rianjanu

List of Publications by Year in descending order

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all docs

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docs citations

29
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515
citing authors

#	ARTICLE	IF	CITATIONS
1	UV sensitivity enhancement in ZnO:Cu films through simple post-annealing treatment. Physica B: Condensed Matter, 2022, 628, 413603.	2.7	5
2	Electrospun Polyacrylonitrile Nanofibers Mixed with Citric Acid as a Quartz Crystal Microbalance Ammonia Vapor Sensor. ChemistrySelect, 2022, 7, .	1.5	6
3	Hybrid learning method based on feature clustering and scoring for enhanced COVID-19 breath analysis by an electronic nose. Artificial Intelligence in Medicine, 2022, 129, 102323.	6.5	21
4	Stability evaluation of quartz crystal microbalances coated with polyvinyl acetate nanofibrous mats as butanol vapor sensors. Materials Today Communications, 2021, 26, 101770.	1.9	11
5	Room-temperature ppb-level trimethylamine gas sensors functionalized with citric acid-doped polyvinyl acetate nanofibrous mats. Materials Advances, 2021, 2, 3705-3714.	5.4	26
6	Electrospun Nanofibers for Quartz Crystal Microbalance Gas Sensors: A Review. ACS Applied Nano Materials, 2021, 4, 9957-9975.	5.0	38
7	Sensitivity prediction and analysis of nanofiber-based gas sensors using solubility and vapor pressure parameters. Japanese Journal of Applied Physics, 2021, 60, 107001.	1.5	7
8	Gas and humidity sensing with quartz crystal microbalance (QCM) coated with graphene-based materials “ A mini review. Sensors and Actuators A: Physical, 2021, 330, 112837.	4.1	89
9	Possibility Routes for Textile Recycling Technology. Polymers, 2021, 13, 3834.	4.5	47
10	Electrospun polyvinyl acetate nanofiber modified quartz crystal microbalance for detection of primary alcohol vapor. Sensors and Actuators A: Physical, 2020, 301, 111742.	4.1	26
11	Intelligent Mobile Electronic Nose System Comprising a Hybrid Polymer-Functionalized Quartz Crystal Microbalance Sensor Array. ACS Omega, 2020, 5, 29492-29503.	3.5	46
12	Quartz crystal microbalance humidity sensors integrated with hydrophilic polyethyleneimine-grafted polyacrylonitrile nanofibers. Sensors and Actuators B: Chemical, 2020, 319, 128286.	7.8	54
13	Enhanced sensitivity and selectivity of ammonia sensing by QCM modified with boric acid-doped PVAc nanofiber. Sensors and Actuators A: Physical, 2020, 304, 111902.	4.1	35
14	Quartz Crystal Microbalances Functionalized with Citric Acid-Doped Polyvinyl Acetate Nanofibers for Ammonia Sensing. ACS Applied Nano Materials, 2020, 3, 5687-5697.	5.0	45
15	Polyethyleneimine-Modified Quartz Crystal Microbalance and its Characteristics for Detecting Acetic Acid. Materials Science Forum, 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. Sensing and Bio-Sensing Research, 2019, 25, 100294.	4.2	20
17	Quartz crystal microbalance-coated cellulose acetate nanofibers overlaid with chitosan for detection of acetic anhydride vapor. Results in Physics, 2019, 15, 102680.	4.1	21
18	A highly sensitive safrole sensor based on polyvinyl acetate (PVAc) nanofiber-coated QCM. Scientific Reports, 2019, 9, 15407.	3.3	41

#	ARTICLE	IF	CITATIONS
19	Polyacrylamide Coated on Quartz Crystal Microbalance Electrodes for Highly Sensitive Sensor of Acetic Acid. Materials Science Forum, 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. Chemosensors, 2019, 7, 20.	3.6	27
21	An Enhanced Safrole Sensing Performance of a Polyacrylonitrile Nanofiber- Based-QCM Sensor by Overlaying with Chitosan. Sains Malaysiana, 2019, 48, 2041-2049.	0.5	9
22	Quartz crystal microbalance coated with PEDOT/PSS/PVA nanofiber for a high-performance humidity sensor. Journal of Sensors and Sensor Systems, 2019, 8, 243-250.	0.9	27
23	Polyacrylonitrile nanofiber as polar solvent N,N-dimethyl formamide sensor based on quartz crystal microbalance technique. Journal of Physics: Conference Series, 2018, 1011, 012067.	0.4	9
24	Swelling Behavior in Solvent Vapor Sensing based on Quartz Crystal Microbalance (QCM) Coated Polyacrylonitrile (PAN) Nanofiber. IOP Conference Series: Materials Science and Engineering, 2018, 367, 012020.	0.6	13
25	Chitosan-Based Quartz Crystal Microbalance for Alcohol Sensing. Electronics (Switzerland), 2018, 7, 181.	3.1	38
26	Polyacrylonitrile Nanofiber-Based Quartz Crystal Microbalance for Sensitive Detection of Safrole. Sensors, 2018, 18, 1150.	3.8	31
27	Solvent vapor treatment improves mechanical strength of electrospun polyvinyl alcohol nanofibers. Heliyon, 2018, 4, e00592.	3.2	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. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 675.	0.4	13