

Aditya Rianjanu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

787
citations

471061

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525886

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all docs

29
docs citations

29
times ranked

515
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Solvent vapor treatment improves mechanical strength of electrospun polyvinyl alcohol nanofibers. <i>Heliyon</i> , 2018, 4, e00592. | 1.4 | 70 |
| 3 | 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 |
| 4 | Possibility Routes for Textile Recycling Technology. <i>Polymers</i> , 2021, 13, 3834. | 2.0 | 47 |
| 5 | 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 |
| 6 | 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 |
| 7 | A highly sensitive safrole sensor based on polyvinyl acetate (PVAc) nanofiber-coated QCM. <i>Scientific Reports</i> , 2019, 9, 15407. | 1.6 | 41 |
| 8 | Chitosan-Based Quartz Crystal Microbalance for Alcohol Sensing. <i>Electronics (Switzerland)</i> , 2018, 7, 181. | 1.8 | 38 |
| 9 | Electrospun Nanofibers for Quartz Crystal Microbalance Gas Sensors: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 9957-9975. | 2.4 | 38 |
| 10 | 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 |
| 11 | Polyacrylonitrile Nanofiber-Based Quartz Crystal Microbalance for Sensitive Detection of Safrole. <i>Sensors</i> , 2018, 18, 1150. | 2.1 | 31 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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. | 0.3 | 13 |
| 20 | Electrical Conductivity Improvement of Polyvinyl Alcohol Nanofiber by Solvent Vapour Treatment. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 675. | 0.2 | 13 |
| 21 | Quartz crystal microbalance coated by PAN nanofibers and PEDOT:PSS for humidity sensor. , 2017, , . | | 11 |
| 22 | Stability evaluation of quartz crystal microbalances coated with polyvinyl acetate nanofibrous mats as butanol vapor sensors. Materials Today Communications, 2021, 26, 101770. | 0.9 | 11 |
| 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. | 0.3 | 9 |
| 24 | An Enhanced Safrole Sensing Performance of a Polyacrylonitrile Nanofiber- Based-QCM Sensor by Overlaying with Chitosan. Sains Malaysiana, 2019, 48, 2041-2049. | 0.3 | 9 |
| 25 | Sensitivity prediction and analysis of nanofiber-based gas sensors using solubility and vapor pressure parameters. Japanese Journal of Applied Physics, 2021, 60, 107001. | 0.8 | 7 |
| 26 | Electrospun Polyacrylonitrile Nanofibers Mixed with Citric Acid as a Quartz Crystal Microbalance Ammonia Vapor Sensor. ChemistrySelect, 2022, 7, . | 0.7 | 6 |
| 27 | UV sensitivity enhancement in ZnO:Cu films through simple post-annealing treatment. Physica B: Condensed Matter, 2022, 628, 413603. | 1.3 | 5 |
| 28 | Polyacrylamide Coated on Quartz Crystal Microbalance Electrodes for Highly Sensitive Sensor of Acetic Acid. Materials Science Forum, 2019, 948, 254-259. | 0.3 | 1 |
| 29 | Polyethyleneimine-Modified Quartz Crystal Microbalance and its Characteristics for Detecting Acetic Acid. Materials Science Forum, 2019, 948, 294-299. | 0.3 | 0 |