

Raquel Cumeras

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

711
citations

1039880

9
h-index

940416

16
g-index

26
all docs

26
docs citations

26
times ranked

1030
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Review on Ion Mobility Spectrometry. Part 1: current instrumentation. <i>Analyst, The</i> , 2015, 140, 1376-1390. | 1.7 | 359 |
| 2 | Review on Ion Mobility Spectrometry. Part 2: hyphenated methods and effects of experimental parameters. <i>Analyst, The</i> , 2015, 140, 1391-1410. | 1.7 | 140 |
| 3 | A Compendium of Volatile Organic Compounds (VOCs) Released By Human Cell Lines. <i>Current Medicinal Chemistry</i> , 2016, 23, 2112-2131. | 1.2 | 87 |
| 4 | Comprehensive Volatilome and Metabolome Signatures of Colorectal Cancer in Urine: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021, 13, 2534. | 1.7 | 19 |
| 5 | Chemical Analysis of Whale Breath Volatiles: A Case Study for Non-Invasive Field Health Diagnostics of Marine Mammals. <i>Metabolites</i> , 2014, 4, 790-806. | 1.3 | 18 |
| 6 | Coupling a branch enclosure with differential mobility spectrometry to isolate and measure plant volatiles in contained greenhouse settings. <i>Talanta</i> , 2016, 146, 148-154. | 2.9 | 17 |
| 7 | Finite-element analysis of a miniaturized ion mobility spectrometer for security applications. <i>Sensors and Actuators B: Chemical</i> , 2012, 170, 13-20. | 4.0 | 14 |
| 8 | Stability and alignment of MCC/IMS devices. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 41-46. | 1.4 | 11 |
| 9 | Amanida: an R package for meta-analysis of metabolomics non-integral data. <i>Bioinformatics</i> , 2022, 38, 583-585. | 1.8 | 11 |
| 10 | Volatilome Metabolomics and Databases, Recent Advances and Needs. <i>Current Metabolomics</i> , 2017, 5, . | 0.5 | 8 |
| 11 | Identification of fungal metabolites from inside <i>Gallus gallus domesticus</i> eggshells by non-invasively detecting volatile organic compounds (VOCs). <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6649-6658. | 1.9 | 7 |
| 12 | A rabbit model for assessment of volatile metabolite changes observed from skin: a pressure ulcer case study. <i>Journal of Breath Research</i> , 2017, 11, 016007. | 1.5 | 6 |
| 13 | Modelling a P-FAIMS with multiphysics FEM. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 359-373. | 0.7 | 3 |
| 14 | Localized heating to tungsten oxide nanostructures deposition on gas microsensor arrays via aerosol assisted CVD. , 2013, , . | | 3 |
| 15 | Modeling vapor detection in a micro ion mobility spectrometer for security applications. <i>Procedia Engineering</i> , 2010, 5, 1236-1239. | 1.2 | 2 |
| 16 | Influence of operational background emissions on breath analysis using MCC/IMS devices. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 69-78. | 1.4 | 2 |
| 17 | What is a good control group?. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 191-198. | 1.4 | 2 |
| 18 | COMSOL Simulation of acetone ions in Planar Ion Mobility Spectrometer. , 2009, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Planar Micro Ion Mobility Spectrometer modelling for explosives detection. , 2011, , . | | 1 |
| 20 | Preconcentrator-based sensor $\tilde{\Lambda}$ - $\hat{\mu}$ -system for low-level benzene detection. Proceedings of SPIE, 2008, , . | 0.8 | 0 |
| 21 | Simulation of a planar micro Ion Mobility Spectrometer for security applications. , 2010, , . | | 0 |
| 22 | Sensors and Micro and Nano Technologies for the Food Sector. , 2013, , . | | 0 |
| 23 | Editorial: Metabolomics of VOCs. Current Metabolomics, 2017, 5, . | 0.5 | 0 |
| 24 | Basics Of Gas Chromatography Mass Spectrometry System. , 2018, , 31-50. | | 0 |
| 25 | The Volatilome in Metabolomics. , 2018, , 3-29. | | 0 |
| 26 | Breath analysis in marine mammals. , 2020, , 461-472. | | 0 |