

Vera Ruzsanyi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,824
citations

471509

17
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

2157
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Assessment, origin, and implementation of breath volatile cancer markers. <i>Chemical Society Reviews</i> , 2014, 43, 1423-1449. | 38.1 | 504 |
| 2 | Hybrid Volatolomics and Disease Detection. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11036-11048. | 13.8 | 220 |
| 3 | Detection of human metabolites using multi-capillary columns coupled to ion mobility spectrometers. <i>Journal of Chromatography A</i> , 2005, 1084, 145-151. | 3.7 | 180 |
| 4 | Dependence of exhaled breath composition on exogenous factors, smoking habits and exposure to air pollutants. <i>Journal of Breath Research</i> , 2012, 6, 036008. | 3.0 | 147 |
| 5 | Breath acetone as a potential marker in clinical practice. <i>Journal of Breath Research</i> , 2017, 11, 024002. | 3.0 | 114 |
| 6 | Assessment of the exhalation kinetics of volatile cancer biomarkers based on their physicochemical properties. <i>Journal of Breath Research</i> , 2014, 8, 016003. | 3.0 | 82 |
| 7 | Ion mobility spectrometry for detection of skin volatiles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 911, 84-92. | 2.3 | 75 |
| 8 | Monitoring of selected skin- and breath-borne volatile organic compounds emitted from the human body using gas chromatography ion mobility spectrometry (GC-IMS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1076, 29-34. | 2.3 | 67 |
| 9 | Multi-capillary-column proton-transfer-reaction time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1316, 112-118. | 3.7 | 45 |
| 10 | Oxidative stress and volatile organic compounds: interplay in pulmonary, cardio-vascular, digestive tract systems and cancer. <i>Open Chemistry</i> , 2015, 13, . | 1.9 | 38 |
| 11 | Proton transfer reaction time-of-flight mass spectrometric measurements of volatile compounds contained in peppermint oil capsules of relevance to real-time pharmacokinetic breath studies. <i>Journal of Breath Research</i> , 2019, 13, 046009. | 3.0 | 34 |
| 12 | Exhaled methane concentration profiles during exercise on an ergometer. <i>Journal of Breath Research</i> , 2015, 9, 016009. | 3.0 | 32 |
| 13 | The Lipoxygenase Lox1 Is Involved in Light- and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus <i>Trichoderma atroviride</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 2004. | 3.5 | 26 |
| 14 | ION MOBILITY SPECTROMETRY: A NEW METHOD FOR THE DETECTION OF LUNG CANCER AND AIRWAY INFECTION IN EXHALED AIR? FIRST RESULTS OF A PILOT STUDY. <i>Chest</i> , 2005, 128, 155S. | 0.8 | 24 |
| 15 | Ion mobility spectrometry for pharmacokinetic studies-“exemplary application. <i>Journal of Breath Research</i> , 2013, 7, 046008. | 3.0 | 21 |
| 16 | Detection of sulfur-free odorants in natural gas using ion mobility spectrometry. <i>Journal of Environmental Monitoring</i> , 2007, 9, 61-65. | 2.1 | 19 |
| 17 | The <i>Trichoderma atroviride</i> Strains P1 and IMI 206040 Differ in Their Light-Response and VOC Production. <i>Molecules</i> , 2020, 25, 208. | 3.8 | 19 |
| 18 | METABOLITES IN HUMAN BREATH: ION MOBILITY SPECTROMETERS AS DIAGNOSTIC TOOLS FOR LUNG DISEASES. , 2005, , . | | 18 |

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|----|---|-----|-----------|
| 19 | Breath profiles of children on ketogenic therapy. <i>Journal of Breath Research</i> , 2018, 12, 036021. | 3.0 | 17 |
| 20 | Evaluation of a new miniaturized ion mobility spectrometer and its coupling to fast gas chromatography multicapillary columns. <i>Journal of Chromatography A</i> , 2008, 1214, 143-150. | 3.7 | 16 |
| 21 | Prediction of blood:air and fat:air partition coefficients of volatile organic compounds for the interpretation of data in breath gas analysis. <i>Journal of Breath Research</i> , 2016, 10, 017103. | 3.0 | 15 |
| 22 | Diagnosing lactose malabsorption in children: difficulties in interpreting hydrogen breath test results. <i>Journal of Breath Research</i> , 2016, 10, 016015. | 3.0 | 12 |
| 23 | Modeling of breath methane concentration profiles during exercise on an ergometer. <i>Journal of Breath Research</i> , 2016, 10, 017105. | 3.0 | 12 |
| 24 | Non- 13 CO 2 targeted breath tests: a feasibility study. <i>Journal of Breath Research</i> , 2014, 8, 046005. | 3.0 | 11 |
| 25 | High Kinetic Energy Ion Mobility Spectrometry “ Mass Spectrometry investigations of four inhalation anaesthetics: isoflurane, enflurane, sevoflurane and desflurane. <i>International Journal of Mass Spectrometry</i> , 2022, 475, 116831. | 1.5 | 11 |
| 26 | Studies pertaining to the monitoring of volatile halogenated anaesthetics in breath by proton transfer reaction mass spectrometry. <i>Journal of Breath Research</i> , 2020, 14, 026004. | 3.0 | 10 |
| 27 | Monitoring the volatile language of fungi using gas chromatography-ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3055-3067. | 3.7 | 10 |
| 28 | A portable sensor system for the detection of human volatile compounds against transnational crime. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129036. | 7.8 | 8 |
| 29 | Instrumental sensing of trace volatiles“a new promising tool for detecting the presence of entrapped or hidden people. <i>Journal of Breath Research</i> , 2018, 12, 027107. | 3.0 | 7 |
| 30 | Wheat Protein Hydrolysate Fortified With“Arginine Enhances Satiation Induced by the Capsaicinoid Nonivamide in Moderately Overweight Male Subjects. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900133. | 3.3 | 7 |
| 31 | Early Detection of Lung Cancer: Metabolic Profiling of Human Breath with Ion Mobility Spectrometers. , 0, , 1343-1358. | | 6 |
| 32 | Investigation of the evaporation behavior of aroma compounds in e-cigarettes. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3029-3035. | 3.7 | 5 |
| 33 | BACTERIAL DIFFERENTIATION BY ION MOBILITY SPECTROMETRY: FIRST RESULTS OF A PILOT STUDY. <i>Chest</i> , 2005, 128, 375S. | 0.8 | 1 |
| 34 | Precursors for cytochrome P450 profiling breath tests from an in silico screening approach. <i>Journal of Breath Research</i> , 2014, 8, 046001. | 3.0 | 1 |
| 35 | Comment on “volatile biomarker in breath predicts lung cancer and pulmonary nodules“™. <i>Journal of Breath Research</i> , 2020, 14, 028001. | 3.0 | 1 |
| 36 | Ion mobility spectrometry. , 2020, , 171-183. | | 1 |

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|----|--|-----|-----------|
| 37 | Messung von Fluranen in der Ausatemluft von medizinischem Personal im Operationssaal. Anesthesiologie, Intensivmedizin, Notfallmedizin, Schmerztherapie: AINS, 2018, 53, . | 0.3 | 0 |
| 38 | Urban search and rescue. , 2020, , 509-521. | | 0 |