

Tobias Reinecke

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

359
citations

759055

12
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794469

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25
all docs

25
docs citations

25
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of a flexible, open-source platform for ion mobility spectrometry. <i>HardwareX</i> , 2018, 4, e00030.	1.1	47
2	A compact high resolution electrospray ionization ion mobility spectrometer. <i>Talanta</i> , 2016, 150, 1-6.	2.9	28
3	Ion multiplexing: Maximizing throughput and signal to noise ratio for ion mobility spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 340-345.	5.8	28
4	Validation of Calibration Parameters for Trapped Ion Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2152-2162.	1.2	25
5	Compact Unfocused Antenna Setup for X-Band Free-Space Dielectric Measurements Based on Line-Network-Network Calibration Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013, 62, 1982-1989.	2.4	24
6	Increased ion throughput using tristate ion-gate multiplexing. <i>Analyst, The</i> , 2019, 144, 6660-6670.	1.7	24
7	Design and evaluation of split-ring resonators for aptamer-based biosensors. <i>Journal of Sensors and Sensor Systems</i> , 2018, 7, 101-111.	0.6	22
8	Ion mobility spectrometer with orthogonal X-Ray source for increased sensitivity. <i>Talanta</i> , 2018, 185, 537-541.	2.9	19
9	Determination of Gas-Phase Ion Mobility Coefficients Using Voltage Sweep Multiplexing. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 977-986.	1.2	19
10	Continuous noninvasive monitoring of cell growth in disposable bioreactors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 1009-1017.	4.0	17
11	Assessing the Impact of Drift Gas Polarizability in Polyatomic Ion Mobility Experiments. <i>Analytical Chemistry</i> , 2020, 92, 4226-4234.	3.2	16
12	X-ray ionization differential ion mobility spectrometry. <i>Talanta</i> , 2017, 162, 159-166.	2.9	14
13	Low-cost Sensor System for Non-invasive Monitoring of Cell Growth in Disposable Bioreactors. <i>Procedia Engineering</i> , 2015, 120, 548-551.	1.2	11
14	Open-ended coaxial probe for the quantification of edema in human brain tissue. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 763-769.	4.0	10
15	A novel coplanar probe design for fast scanning of edema in human brain tissue via dielectric measurements. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 522-527.	4.0	10
16	Improving the analytical performance of ion mobility spectrometer using a non-radioactive electron source. <i>International Journal for Ion Mobility Spectrometry</i> , 2016, 19, 175-182.	1.4	10
17	Optimized Reconstruction Techniques for Multiplexed Dual-Gate Ion Mobility Mass Spectrometry Experiments. <i>Analytical Chemistry</i> , 2019, 91, 1432-1440.	3.2	10
18	A gated atmospheric pressure drift tube ion mobility spectrometer – time-of-flight mass spectrometer. <i>Journal of Chromatography A</i> , 2014, 1356, 241-248.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Differential Amplifier Characterization Using Mixed-Mode Scattering Parameters Obtained From True and Virtual Differential Measurements. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 132-142.	2.9	4
20	Differential Inductive Sensor for Continuous Non-Invasive Cell Growth Monitoring in Disposable Bioreactors. Proceedings (mdpi), 2017, 1, 518.	0.2	4
21	Enabling resolution of isomeric peptides using tri-state ion gating and Fourier-transform ion mobility spectrometry. International Journal for Ion Mobility Spectrometry, 2020, 23, 133-142.	1.4	4
22	Separation and Collision Cross Section Measurements of Protein Complexes Afforded by a Modular Drift Tube Coupled to an Orbitrap Mass Spectrometer. Analytical Chemistry, 2022, 94, 9434-9441.	3.2	4
23	Echtzeit-Überwachung der Position eines Cochlea-Implantats während der Insertion in ein Innenohrphantom. TM Technisches Messen, 2017, 84, 98-101.	0.3	1
24	Detection of Mercury Vapor in Air by Differential Heat Dissipation Measurements. Proceedings (mdpi), 2017, 1, 440.	0.2	1
25	Implications of Blanc's Law for Use in Trapped Ion Mobility Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 2241-2250.	1.2	0