

# Jens Langejuergen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7034378/publications.pdf>

Version: 2024-02-01

19  
papers

473  
citations

933264

10  
h-index

940416

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	A compact high resolution ion mobility spectrometer for fast trace gas analysis. <i>Analyst, The</i> , 2013, 138, 5200.	1.7	96
2	High Kinetic Energy Ion Mobility Spectrometer: Quantitative Analysis of Gas Mixtures with Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 7023-7032.	3.2	70
3	A dual center study to compare breath volatile organic compounds from smokers and non-smokers with and without COPD. <i>Journal of Breath Research</i> , 2016, 10, 026006.	1.5	70
4	Measurement of exhaled volatile organic compounds from patients with chronic obstructive pulmonary disease (COPD) using closed gas loop GC-IMS and GC-APCI-MS. <i>Journal of Breath Research</i> , 2016, 10, 026004.	1.5	50
5	Quantitative Detection of Benzene in Toluene- and Xylene-Rich Atmospheres Using High-Kinetic-Energy Ion Mobility Spectrometry (IMS). <i>Analytical Chemistry</i> , 2014, 86, 11841-11846.	3.2	45
6	A benchmarking protocol for breath analysis: the peppermint experiment. <i>Journal of Breath Research</i> , 2020, 14, 046008.	1.5	41
7	Investigation of ion-ion recombination at atmospheric pressure with a pulsed electron gun. <i>Analyst, The</i> , 2012, 137, 5105.	1.7	22
8	Results of a transient simulation of a drift tube ion mobility spectrometer considering charge repulsion, ion loss at metallic surfaces and ion generation. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 247-255.	1.4	15
9	Non-invasive monitoring of bacterial growth and auto-induced protein production in a bioreactor with a closed-loop GC-IMS. <i>International Journal for Ion Mobility Spectrometry</i> , 2015, 18, 9-15.	1.4	15
10	Selective ion suppression as a pre-separation method in ion mobility spectrometry using a pulsed electron gun. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 31-39.	1.4	10
11	Towards a miniaturized non-radioactive electron emitter with proximity focusing. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 223-229.	1.4	9
12	A step towards enzyme-free tissue dissociation. <i>Current Directions in Biomedical Engineering</i> , 2019, 5, 545-548.	0.2	9
13	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
14	Time resolved detection of tissue denaturation during retinal photocoagulation. <i>Proceedings of SPIE</i> , 2009, , .	0.8	5
15	Breath markers for therapeutic radiation. <i>Journal of Breath Research</i> , 2021, 15, 016004.	1.5	5
16	A novel non-invasive, non-conductive method for measuring respiration. <i>Journal of Sensors and Sensor Systems</i> , 2020, 9, 27-32.	0.6	2
17	Dependence of optoacoustic transients on exciting laser parameters for real-time monitoring of retinal photocoagulation. , 2009, , .		1
18	Respiration parameter determination with non-obstructive methods. <i>Advances in Radio Science</i> , 0, 18, 89-95.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Preprocessing Methods for GC-IMS Image Analysis. , 2021, 67, 45-53.		0