

# Jarosław Puton

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

584  
citations

840776

11  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion mobility spectrometry: Current status and application for chemical warfare agents detection. TrAC - Trends in Analytical Chemistry, 2016, 85, 10-20.	11.4	108
2	Ion mobility spectrometers with doped gases. Talanta, 2008, 76, 978-987.	5.5	105
3	Dopants and gas modifiers in ion mobility spectrometry. TrAC - Trends in Analytical Chemistry, 2016, 82, 237-249.	11.4	58
4	The effect of humidity on sensitivity of amine detection in ion mobility spectrometry. Talanta, 2011, 84, 116-121.	5.5	52
5	Modelling of penetration of ions through a shutter grid in ion mobility spectrometers. Sensors and Actuators B: Chemical, 2008, 135, 116-121.	7.8	43
6	Efficiency of hydroxyl radical formation and phenol decomposition using UV light emitting diodes and H <sub>2</sub> O <sub>2</sub> . Environmental Technology (United Kingdom), 2011, 32, 865-872.	2.2	34
7	Analysis of e-liquids for electronic cigarettes using GC-IMS/MS with headspace sampling. Talanta, 2020, 209, 120594.	5.5	30
8	A study of the performance of an ion shutter for drift tubes in atmospheric pressure ion mobility spectrometry: Computer models and experimental findings. Review of Scientific Instruments, 2009, 80, 103103.	1.3	23
9	Quantitative Response of IMS Detector for Mixtures Containing Two Active Components. Analytical Chemistry, 2012, 84, 9131-9138.	6.5	23
10	Nitrogen oxides as dopants for the detection of aromatic compounds with ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 3223-3231.	3.7	23
11	Fast detection of methyl tert-butyl ether from water using solid phase microextraction and ion mobility spectrometry. Talanta, 2011, 84, 738-744.	5.5	22
12	Conservation of dimer peak intensity in ion mobility spectrometers with ketone-doped carrier gas. International Journal of Mass Spectrometry, 2014, 373, 43-49.	1.5	11
13	Possible strategy to use differential mobility spectrometry in real time applications. International Journal for Ion Mobility Spectrometry, 2020, 23, 1-8.	1.4	10
14	Differential mobility spectrometers with tuneable separation voltage – Theoretical models and experimental findings. TrAC - Trends in Analytical Chemistry, 2018, 105, 413-423.	11.4	9
15	Evaporation of ionic liquids at atmospheric pressure: Study by ion mobility spectrometry. Talanta, 2011, 83, 907-915.	5.5	8
16	Platinum-black coatings for infrared emitters. , 2003, 5124, 92.		4
17	Processing of the Signal from Detectors Used in Ion Mobility Spectrometry. Analytical Sciences, 2010, 26, 983-988.	1.6	4
18	Ion mobility spectrometers and electron capture detector – A comparison of detection capabilities. Talanta, 2019, 194, 259-265.	5.5	4

#	ARTICLE	IF	CITATIONS
19	Negative-mode ion mobility spectrometryâ€™ comparison of ionâ€™molecule reactions and electron capture processes. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3719-3728.	3.7	3
20	Module for measurement of CO 2 concentration in exhaled air. , 2003, 5124, 278.		2
21	Generation of current pulses in collector electrode of IMS detectors. <i>International Journal of Mass Spectrometry</i> , 2010, 298, 55-63.	1.5	2
22	Transport of ions through tubes in a stream of flowing gas. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 239-246.	1.4	2
23	Application of Ion Mobility Spectrometry for Permeability Studies of Organic Substances through Polymeric Materials. <i>Molecules</i> , 2020, 25, 2983.	3.8	2
24	Studies on the Processes of Electron Capture and Clustering of Benzyl Chloride by Ion Mobility Spectrometry. <i>Molecules</i> , 2021, 26, 4562.	3.8	2