

# Victor Bocos-Bintintan

## List of Publications by Year in descending order

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26  
papers

627  
citations

623734

14  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical standards for ion mobility spectrometry: a review. <i>International Journal for Ion Mobility Spectrometry</i> , 2009, 12, 1-14.	1.4	84
2	Volatile Organic Compounds in Exhaled Breath as Fingerprints of Lung Cancer, Asthma and COPD. <i>Journal of Clinical Medicine</i> , 2021, 10, 32.	2.4	79
3	Detection of Volatile Organic Compounds in Breath Using Thermal Desorption Electrospray Ionization-Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 2139-2144.	6.5	53
4	The trapped human experiment. <i>Journal of Breath Research</i> , 2011, 5, 046006.	3.0	52
5	Discrimination of bacteria by rapid sensing their metabolic volatiles using an aspiration-type ion mobility spectrometer (a-IMS) and gas chromatography-mass spectrometry GC-MS. <i>Analytica Chimica Acta</i> , 2017, 982, 209-217.	5.4	41
6	Mass spectrometric techniques for the analysis of volatile organic compounds emitted from bacteria. <i>Bioanalysis</i> , 2017, 9, 1069-1092.	1.5	38
7	The response of a membrane inlet ion mobility spectrometer to chlorine and the effect of water contamination of the drying media on ion mobility spectrometric responses to chlorine. <i>Analyst, The</i> , 2001, 126, 1539-1544.	3.5	31
8	The effect of growth medium on an Escherichia coli pathway mirrored into GC/MS profiles. <i>Journal of Breath Research</i> , 2017, 11, 036012.	3.0	31
9	An Optimistic Vision of Future: Diagnosis of Bacterial Infections by Sensing Their Associated Volatile Organic Compounds. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 501-512.	3.5	27
10	GC-MS application in determination of volatile profiles emitted by infected and uninfected human tissue. <i>Journal of Breath Research</i> , 2019, 13, 026003.	3.0	19
11	Discrimination of Chemical Profiles of Some Bacterial Species by Analyzing Culture Headspace Air Samples Using TD-GC/MS. <i>Current Analytical Chemistry</i> , 2014, 10, 488-497.	1.2	16
12	FAST CHARACTERIZATION OF PYRIDINE USING ION MOBILITY SPECTROMETRY AND PHOTOIONIZATION DETECTION. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 251-256.	0.6	16
13	Characterisation of the phosgene response of a membrane inlet 63Ni ion mobility spectrometer. <i>Analyst, The</i> , 2002, 127, 1211-1217.	3.5	15
14	Control of dopants/modifiers in differential mobility spectrometry using a piezoelectric injector. <i>Analyst, The</i> , 2012, 137, 1458.	3.5	15
15	The Necessity of Reconsidering the Concept of Non-formal Education. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 209, 337-343.	0.5	15
16	Sensing Precursors of Illegal Drugs – Rapid Detection of Acetic Anhydride Vapors at Trace Levels Using Photoionization Detection and Ion Mobility Spectrometry. <i>Molecules</i> , 2020, 25, 1852.	3.8	15
17	Attitude Towards Teaching Profession. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 142, 628-632.	0.5	14
18	Sensors array of aspiration ion mobility spectrometer as a tool for bacteria discrimination. <i>Talanta</i> , 2020, 206, 120233.	5.5	13

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19	Temporal influence of different antibiotics onto the inhibition of Escherichia coli bacterium grown in different media. <i>Analytical Biochemistry</i> , 2019, 585, 113407.	2.4	11
20	Rapid determination of alcohols in human saliva by gas chromatography differential mobility spectrometry following selective membrane extraction. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 55-63.	1.4	8
21	Hunting for Toxic Industrial Chemicals: Real-Time Detection of Carbon Disulfide Traces by Means of Ion Mobility Spectrometry. <i>Toxics</i> , 2020, 8, 121.	3.7	8
22	Fast Sensing of Hydrogen Cyanide (HCN) Vapors Using a Hand-Held Ion Mobility Spectrometer with Nonradioactive Ionization Source. <i>Sensors</i> , 2021, 21, 5045.	3.8	8
23	Real time monitoring of soil contamination with diesel fuel using photoionization detectors. <i>Arab Journal of Basic and Applied Sciences</i> , 2019, 26, 446-452.	2.1	7
24	Optimisation of piezoelectric injection of dopants and drift gas modifiers in transverse ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 149-155.	1.4	6
25	"Features of infected versus uninfected chemical profiles released from human exudates ". <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2019, 64, 207-216.	0.2	4
26	Ion mobility analyzer â€œ quadrupole mass spectrometer system design. <i>Journal of Physics: Conference Series</i> , 2009, 182, 012022.	0.4	1