

Guillermo Vidal-de-Miguel

List of Publications by Year in descending order

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18
papers

445
citations

687363

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940533

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18
all docs

18
docs citations

18
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding metabolite coverage of real-time breath analysis by coupling a universal secondary electrospray ionization source and high resolution mass spectrometry—a pilot study on tobacco smokers. <i>Journal of Breath Research</i> , 2016, 10, 016010.	3.0	58
2	Mechanistic study on the ionization of trace gases by an electrospray plume. <i>International Journal of Mass Spectrometry</i> , 2012, 313, 21-29.	1.5	49
3	Identification of 2-Alkenals, 4-Hydroxy-2-alkenals, and 4-Hydroxy-2,6-alkadienals in Exhaled Breath Condensate by UHPLC-HRMS and in Breath by Real-Time HRMS. <i>Analytical Chemistry</i> , 2015, 87, 3087-3093.	6.5	49
4	Transversal Modulation Ion Mobility Spectrometry (TM-IMS), A New Mobility Filter Overcoming Turbulence Related Limitations. <i>Analytical Chemistry</i> , 2012, 84, 7831-7837.	6.5	37
5	Low-Sample Flow Secondary Electrospray Ionization: Improving Vapor Ionization Efficiency. <i>Analytical Chemistry</i> , 2012, 84, 8475-8479.	6.5	34
6	Analysis of pattern recognition and dimensionality reduction techniques for odor biometrics. <i>Knowledge-Based Systems</i> , 2013, 52, 279-289.	7.1	33
7	Numerical modeling and experimental validation of a universal secondary electrospray ionization source for mass spectrometric gas analysis in real-time. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 217-225.	7.8	32
8	Modeling vapor uptake induced mobility shifts in peptide ions observed with transversal modulation ion mobility spectrometry-mass spectrometry. <i>Analyst, The</i> , 2015, 140, 6945-6954.	3.5	26
9	Capturing in Vivo Plant Metabolism by Real-Time Analysis of Low to High Molecular Weight Volatiles. <i>Analytical Chemistry</i> , 2016, 88, 2406-2412.	6.5	25
10	Real-Time Chemical Analysis of E-cigarette Aerosols By Means Of Secondary Electrospray Ionization Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2016, 22, 2452-2457.	3.3	24
11	Real-Time High-Resolution Tandem Mass Spectrometry Identifies Furan Derivatives in Exhaled Breath. <i>Analytical Chemistry</i> , 2015, 87, 6919-6924.	6.5	19
12	Secondary Electrospray Ionization of Complex Vapor Mixtures. Theoretical and Experimental Approach. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1085-1096.	2.8	15
13	Transversal Modulation Ion Mobility Spectrometry (IMS) Coupled with Mass Spectrometry (MS): Exploring the IMS-IMS-MS Possibilities of the Instrument. <i>Analytical Chemistry</i> , 2015, 87, 1925-1932.	6.5	15
14	Gas-Phase Dopant-Induced Conformational Changes Monitored with Transversal Modulation Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 2033-2040.	6.5	13
15	Continuously Converging Multistage Focusing Lenses to Concentrate Aerosols at High Reynolds Numbers. <i>Aerosol Science and Technology</i> , 2012, 46, 287-296.	3.1	7
16	Secondary electrospray ionization. , 2020, , 185-199.		5
17	Numerical algorithm for the accurate evaluation of ion beams in transversal modulation ion mobility spectrometry: Understanding realistic geometries. <i>International Journal of Mass Spectrometry</i> , 2015, 376, 97-105.	1.5	4
18	Breath Analysis by Secondary Electro-Spray Ionization - Mass Spectrometry to Interrogate Biologically Significant Metabolites Non-Invasively. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-13.	3.5	0