

# Daniel J Peirano

## List of Publications by Year in descending order

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12  
papers

225  
citations

1163117

8  
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1281871

11  
g-index

12  
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12  
docs citations

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times ranked

301  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Vision Methods, Natural Language Processing, and Machine Learning Algorithms for Automated Dispersion Plot Analysis and Chemical Identification from Complex Mixtures. <i>Analytical Chemistry</i> , 2019, 91, 10509-10517.	6.5	14
2	High Asymmetric Longitudinal Field Ion Mobility Spectrometry Device for Low Power Mobile Chemical Separation and Detection. <i>Analytical Chemistry</i> , 2019, 91, 5523-5529.	6.5	7
3	Modular and reconfigurable gas chromatography/differential mobility spectrometry (GC/DMS) package for detection of volatile organic compounds (VOCs). <i>International Journal for Ion Mobility Spectrometry</i> , 2018, 21, 125-136.	1.4	6
4	Portable combination of Fourier transform infrared spectroscopy and differential mobility spectrometry for advanced vapor phase analysis. <i>Analyst, The</i> , 2018, 143, 5683-5691.	3.5	11
5	Automated chemical identification and library building using dispersion plots for differential mobility spectrometry. <i>Analytical Methods</i> , 2018, 10, 4339-4349.	2.7	6
6	Supervised semi-automated data analysis software for gas chromatography / differential mobility spectrometry (GC/DMS) metabolomics applications. <i>International Journal for Ion Mobility Spectrometry</i> , 2016, 19, 155-166.	1.4	11
7	Coupling a branch enclosure with differential mobility spectrometry to isolate and measure plant volatiles in contained greenhouse settings. <i>Talanta</i> , 2016, 146, 148-154.	5.5	17
8	Citrus tristeza virus infection in sweet orange trees and a mandarin $\tilde{\text{A}}$ - tangor cross alters low molecular weight metabolites assessed using gas chromatography mass spectrometry (GC/MS). <i>Metabolomics</i> , 2016, 12, 1.	3.0	11
9	Volatile organic compound (VOC) profiling of citrus tristeza virus infection in sweet orange citrus varieties using thermal desorption gas chromatography time of flight mass spectrometry (TD-GC/TOF-MS). <i>Metabolomics</i> , 2015, 11, 1514-1525.	3.0	25
10	Detection of Huanglongbing Disease Using Differential Mobility Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 2481-2488.	6.5	98
11	Design criteria for portable point-of-care breath analysis systems. , 2013, , .		2
12	A mobile instrumentation platform to distinguish airway disorders. <i>Journal of Breath Research</i> , 2013, 7, 017113.	3.0	17