

Daniel J Peirano

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

225
citations

1163117

8
h-index

1281871

11
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12
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12
docs citations

12
times ranked

301
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Detection of Huanglongbing Disease Using Differential Mobility Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 2481-2488. | 6.5 | 98 |
| 2 | 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 |
| 3 | A mobile instrumentation platform to distinguish airway disorders. <i>Journal of Breath Research</i> , 2013, 7, 017113. | 3.0 | 17 |
| 4 | 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 |
| 5 | 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 |
| 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 | Citrus tristeza virus infection in sweet orange trees and a mandarin \times tangor cross alters low molecular weight metabolites assessed using gas chromatography mass spectrometry (GC/MS). <i>Metabolomics</i> , 2016, 12, 1. | 3.0 | 11 |
| 8 | Portable combination of Fourier transform infrared spectroscopy and differential mobility spectrometry for advanced vapor phase analysis. <i>Analyst</i> , 2018, 143, 5683-5691. | 3.5 | 11 |
| 9 | 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 |
| 10 | 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 |
| 11 | Automated chemical identification and library building using dispersion plots for differential mobility spectrometry. <i>Analytical Methods</i> , 2018, 10, 4339-4349. | 2.7 | 6 |
| 12 | Design criteria for portable point-of-care breath analysis systems. , 2013, , . | | 2 |