

Maria Emilia Duenas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

290
citations

9
h-index

17
g-index

18
ext. papers

417
ext. citations

4.8
avg, IF

4
L-index

#	Paper	IF	Citations
15	3D MALDI Mass Spectrometry Imaging of a Single Cell: Spatial Mapping of Lipids in the Embryonic Development of Zebrafish. <i>Scientific Reports</i> , 2017 , 7, 14946	4.9	63
14	Five Micron High Resolution MALDI Mass Spectrometry Imaging with Simple, Interchangeable, Multi-Resolution Optical System. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 434-442	3.5	52
13	High spatial resolution mass spectrometry imaging reveals the genetically programmed, developmental modification of the distribution of thylakoid membrane lipids among individual cells of maize leaf. <i>Plant Journal</i> , 2017 , 89, 825-838	6.9	36
12	Toward Mass Spectrometry Imaging in the Metabolomics Scale: Increasing Metabolic Coverage Through Multiple On-Tissue Chemical Modifications. <i>Frontiers in Plant Science</i> , 2019 , 10, 860	6.2	28
11	Three-dimensional visualization of membrane phospholipid distributions in Arabidopsis thaliana seeds: A spatial perspective of molecular heterogeneity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 268-281	5	26
10	Sputter-Coated Metal Screening for Small Molecule Analysis and High-Spatial Resolution Imaging in Laser Desorption Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 299-308	3.5	25
9	Matrix Recrystallization for MALDI-MS Imaging of Maize Lipids at High-Spatial Resolution. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1575-8	3.5	24
8	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2. <i>Nature Communications</i> , 2021 , 12, 7092	17.4	11
7	Cellular and Subcellular Level Localization of Maize Lipids and Metabolites Using High-Spatial Resolution MALDI Mass Spectrometry Imaging. <i>Methods in Molecular Biology</i> , 2018 , 1676, 217-231	1.4	10
6	Characterizing virus-induced gene silencing at the cellular level with in situ multimodal imaging. <i>Plant Methods</i> , 2018 , 14, 37	5.8	6
5	Nanoparticle microarray for high-throughput microbiome metabolomics using matrix-assisted laser desorption ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 147-156	4.4	4
4	Single-Cell Metabolomics by Mass Spectrometry Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1280, 69-82	3.6	3
3	On-tissue boronic acid derivatization for the analysis of vicinal diol metabolites in maize with MALDI-MS imaging. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4709	2.2	1
2	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2		1
1	Enhancing Metabolite Coverage for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Through Multiple On-Tissue Chemical Derivatizations.. <i>Methods in Molecular Biology</i> , 2022 , 2437, 197-213	1.4	0