

Maria Emilia Duenas

List of Publications by Year in descending order

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15
papers

501
citations

933447

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996975

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18
all docs

18
docs citations

18
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex Changes in Membrane Lipids Associated with the Modification of Autophagy in Arabidopsis. <i>Metabolites</i> , 2022, 12, 190.	2.9	7
2	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.	0.9	7
3	Single-Cell Metabolomics by Mass Spectrometry Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1280, 69-82.	1.6	11
4	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.	1.6	8
5	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 7092.	12.8	65
6	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.	3.6	49
7	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.	2.8	33
8	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.	3.7	7
9	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.	0.9	11
10	Characterizing virus-induced gene silencing at the cellular level with in situ multimodal imaging. <i>Plant Methods</i> , 2018, 14, 37.	4.3	12
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.	2.4	36
12	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.	2.8	70
13	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.	3.3	94
14	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.	5.7	52
15	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, 1575-1578.	2.8	36