

Maria Emilia Duenas

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

501
citations

933447

10
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

844
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Three-dimensional visualization of membrane phospholipid distributions in <i>Arabidopsis thaliana</i> 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 |
| 8 | 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 |
| 9 | Characterizing virus-induced gene silencing at the cellular level with in situ multimodal imaging. <i>Plant Methods</i> , 2018, 14, 37. | 4.3 | 12 |
| 10 | 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 |
| 11 | Single-Cell Metabolomics by Mass Spectrometry Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1280, 69-82. | 1.6 | 11 |
| 12 | 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 |
| 13 | 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 |
| 14 | Complex Changes in Membrane Lipids Associated with the Modification of Autophagy in <i>Arabidopsis</i> . <i>Metabolites</i> , 2022, 12, 190. | 2.9 | 7 |
| 15 | 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 |