

# Maria Emilia Duenas

## List of Publications by Year in Descending Order

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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	Enhancing Metabolite Coverage for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Through Multiple On-Tissue Chemical Derivatizations.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2437, 197-213	1.4	0
14	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2. <i>Nature Communications</i> , <b>2021</b> , 12, 7092	17.4	11
13	Single-Cell Metabolomics by Mass Spectrometry Imaging. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1280, 69-82	3.6	3
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> , <b>2021</b> , 56, e4709	2.2	1
11	Toward Mass Spectrometry Imaging in the Metabolomics Scale: Increasing Metabolic Coverage Through Multiple On-Tissue Chemical Modifications. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 860	6.2	28
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> , <b>2019</b> , 30, 299-308	3.5	25
9	Nanoparticle microarray for high-throughput microbiome metabolomics using matrix-assisted laser desorption ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 147-156	4.4	4
8	Cellular and Subcellular Level Localization of Maize Lipids and Metabolites Using High-Spatial Resolution MALDI Mass Spectrometry Imaging. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1676, 217-231	1.4	10
7	Characterizing virus-induced gene silencing at the cellular level with in situ multimodal imaging. <i>Plant Methods</i> , <b>2018</b> , 14, 37	5.8	6
6	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> , <b>2017</b> , 1862, 268-281	5	26
5	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> , <b>2017</b> , 28, 434-442	3.5	52
4	3D MALDI Mass Spectrometry Imaging of a Single Cell: Spatial Mapping of Lipids in the Embryonic Development of Zebrafish. <i>Scientific Reports</i> , <b>2017</b> , 7, 14946	4.9	63
3	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> , <b>2017</b> , 89, 825-838	6.9	36
2	Matrix Recrystallization for MALDI-MS Imaging of Maize Lipids at High-Spatial Resolution. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1575-8	3.5	24
1	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2		1