

# Tiffany Porta

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,265  
citations

394421

19  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometry imaging for clinical research – latest developments, applications, and current limitations. <i>Analyst, The</i> , 2017, 142, 2690-2712.	3.5	162
2	Use of advantageous, volatile matrices enabled by next-generation high-speed matrix-assisted laser desorption/ionization time-of-flight imaging employing a scanning laser beam. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2195-2203.	1.5	119
3	Mass Spectrometry Imaging and Integration with Other Imaging Modalities for Greater Molecular Understanding of Biological Tissues. <i>Molecular Imaging and Biology</i> , 2018, 20, 888-901.	2.6	113
4	Single Hair Cocaine Consumption Monitoring by Mass Spectrometric Imaging. <i>Analytical Chemistry</i> , 2011, 83, 4266-4272.	6.5	103
5	Quantification in MALDI-MS imaging: what can we learn from MALDI-selected reaction monitoring and what can we expect for imaging?. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2177-2187.	3.7	89
6	Reshaping Lipid Biochemistry by Pushing Barriers in Structural Lipidomics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6492-6501.	13.8	75
7	Derivatization Strategies for the Detection of Triamcinolone Acetonide in Cartilage by Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2016, 88, 12051-12059.	6.5	73
8	Gas-Phase Separation of Drugs and Metabolites Using Modifier-Assisted Differential Ion Mobility Spectrometry Hyphenated to Liquid Extraction Surface Analysis and Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 11771-11779.	6.5	57
9	The Last Step in Cocaine Biosynthesis Is Catalyzed by a BAHD Acyltransferase. <i>Plant Physiology</i> , 2015, 167, 89-101.	4.8	51
10	Targeted Drug and Metabolite Imaging: Desorption Electrospray Ionization Combined with Triple Quadrupole Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 13229-13235.	6.5	37
11	Alternative CHCA-based matrices for the analysis of low molecular weight compounds by UVMALDI-tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 144-152.	1.6	36
12	Faster raster matrix-assisted laser desorption/ionization mass spectrometry imaging of lipids at high lateral resolution. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 38-48.	1.5	36
13	Spatial heterogeneity of nanomedicine investigated by multiscale imaging of the drug, the nanoparticle and the tumour environment. <i>Theranostics</i> , 2020, 10, 1884-1909.	10.0	30
14	Integration of Ion Mobility MS <sup>E</sup> after Fully Automated, Online, High-Resolution Liquid Extraction Surface Analysis Micro-Liquid Chromatography. <i>Analytical Chemistry</i> , 2017, 89, 11143-11150.	6.5	29
15	Tissue classification by rapid evaporative ionization mass spectrometry (REIMS): comparison between a diathermic knife and CO <sub>2</sub> laser sampling on classification performance. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7943-7955.	3.7	29
16	Rapid Identification of Ischemic Injury in Renal Tissue by Mass-Spectrometry Imaging. <i>Analytical Chemistry</i> , 2019, 91, 3575-3581.	6.5	27
17	Sample preparation of bone tissue for MALDI-MSI for forensic and (pre)clinical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2683-2694.	3.7	27
18	Quantitative mass spectrometry imaging of drugs and metabolites: a multiplatform comparison. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2779-2791.	3.7	27

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19	Batch Effects in MALDI Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 628-635.	2.8	26
20	MALDI-Mass Spectrometry Imaging to Investigate Lipid and Bile Acid Modifications Caused by Lentil Extract Used as a Potential Hypocholesterolemic Treatment. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2041-2050.	2.8	22
21	Reshaping Lipid Biochemistry by Pushing Barriers in Structural Lipidomics. <i>Angewandte Chemie</i> , 2019, 131, 6560-6569.	2.0	12
22	Stromal vapors for real-time molecular guidance of breast-conserving surgery. <i>Scientific Reports</i> , 2020, 10, 20109.	3.3	12
23	Solvent effects on differentiation of mouse brain tissue using laser microdissection <i>cut and drop</i> <sup>™</sup> sampling with direct mass spectral analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 414-422.	1.5	11
24	Ion Imaging of Native Protein Complexes Using Orthogonal Time-of-Flight Mass Spectrometry and a Timepix Detector. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 569-580.	2.8	10
25	Uncovering the behaviour of ions in the gas-phase to predict the ion mobility separation of isomeric steroid compounds. <i>Analytica Chimica Acta</i> , 2022, 1200, 339617.	5.4	10
26	Evaluation of the Sensitivity of Metabolic Profiling by Rapid Evaporative Ionization Mass Spectrometry: Toward More Radical Oral Cavity Cancer Resections. <i>Analytical Chemistry</i> , 2022, 94, 6939-6947.	6.5	9
27	Real-time lipid patterns to classify viable and necrotic liver tumors. <i>Laboratory Investigation</i> , 2021, 101, 381-395.	3.7	7
28	Towards real-time intraoperative tissue interrogation for REIMS-guided glioma surgery. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2022, 24, 80-89.	2.4	7
29	Real-time drug detection using a diathermic knife combined to rapid evaporative ionisation mass spectrometry. <i>Talanta</i> , 2021, 221, 121391.	5.5	6
30	Automated 3D Sampling and Imaging of Uneven Sample Surfaces with LA-REIMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 111-122.	2.8	5
31	Clinical use of mass spectrometry (imaging) for hard tissue analysis in abnormal fracture healing. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 897-913.	2.3	4
32	Multimodal molecular imaging: Insight into the complexity of biological surfaces through speed, resolution and identification. <i>Microscopy and Microanalysis</i> , 2015, 21, 2235-2236.	0.4	2
33	Mass spectrometry imaging 2.0. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2597-2598.	3.7	1