Andreas Roempp

List of Publications by Year
in descending order

39 papers	2,794 citations	236925 25 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	4156 citing authors

#	Article	IF	Citations
1	mzMLâ€"a Community Standard for Mass Spectrometry Data. Molecular and Cellular Proteomics, 2011, 10, R110.000133.	3.8	555
2	Mass spectrometry imaging with high resolution in mass and space. Histochemistry and Cell Biology, 2013, 139, 759-783.	1.7	294
3	imzML â€" A common data format for the flexible exchange and processing of mass spectrometry imaging data. Journal of Proteomics, 2012, 75, 5106-5110.	2.4	272
4	Histology by Mass Spectrometry: Labelâ€Free Tissue Characterization Obtained from Highâ€Accuracy Bioanalytical Imaging. Angewandte Chemie - International Edition, 2010, 49, 3834-3838.	13.8	184
5	Single Cell Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2012, 84, 6293-6297.	6.5	176
6	Proteomics study of silver nanoparticles toxicity on Oryza sativa L.. Ecotoxicology and Environmental Safety, 2014, 108, 335-339.	6.0	151
7	Mass spectrometry imaging with high resolution in mass and space (HR2 MSI) for reliable investigation of drug compound distributions on the cellular level. Analytical and Bioanalytical Chemistry, 2011, 401, 65-73.	3.7	133
8	AP-MALDI imaging of neuropeptides in mouse pituitary gland with 5Î¼m spatial resolution and high mass accuracy. International Journal of Mass Spectrometry, 2011, 305, 228-237.	1.5	102
9	High resolution mass spectrometry imaging of plant tissues: towards a plant metabolite atlas. Analyst, The, 2015, 140, 7696-7709.	3.5	91
10	Uptake and bioavailability of anthocyanins and phenolic acids from grape/blueberry juice and smoothie in vitro and in vivo. British Journal of Nutrition, 2015, 113, 1044-1055.	2.3	88
11	Highâ€resolution matrixâ€assisted laser desorption/ionization imaging of tryptic peptides from tissue. Rapid Communications in Mass Spectrometry, 2012, 26, 1141-1146.	1.5	67
12	imzML: Imaging Mass Spectrometry Markup Language: A Common Data Format for Mass Spectrometry Imaging. Methods in Molecular Biology, 2011, 696, 205-224.	0.9	64
13	Discussion point: reporting guidelines for mass spectrometry imaging. Analytical and Bioanalytical Chemistry, 2015, 407, 2035-2045.	3.7	51
14	Phospholipid Topography of Whole-Body Sections of the Anopheles stephensi Mosquito, Characterized by High-Resolution Atmospheric-Pressure Scanning Microprobe Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2015, 87, 11309-11316.	6.5	44
15	Multimodal Imaging Based on Vibrational Spectroscopies and Mass Spectrometry Imaging Applied to Biological Tissue: A Multiscale and Multiomics Review. Analytical Chemistry, 2021, 93, 445-477.	6.5	43
16	Proteomics study of silver nanoparticles toxicity on Bacillus thuringiensis. Ecotoxicology and Environmental Safety, 2014, 100, 122-130.	6.0	42
17	High-resolution MALDI mass spectrometry imaging of gallotannins and monoterpene glucosides in the root of Paeonia lactiflora. Scientific Reports, 2016, 6, 36074.	3.3	39
18	Mass spectrometry imaging of biological tissue: an approach for multicenter studies. Analytical and Bioanalytical Chemistry, 2015, 407, 2329-2335.	3.7	38

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19	Correlative mass spectrometry imaging, applying timeâ€ofâ€flight secondary ion mass spectrometry and atmospheric pressure matrixâ€assisted laser desorption/ionization to a single tissue section. Rapid Communications in Mass Spectrometry, 2018, 32, 159-166.	1.5	35
20	Analysis of cyathane-type diterpenoids from Cyathus striatus and Hericium erinaceus by high-resolution MALDI MS imaging. Analytical and Bioanalytical Chemistry, 2014, 406, 695-704.	3.7	34
21	High-resolution atmospheric pressure infrared laser desorption/ionization mass spectrometry imaging of biological tissue. Analytical and Bioanalytical Chemistry, 2013, 405, 6959-6968.	3.7	33
22	Mass Spectrometry Imaging of the Hypoxia Marker Pimonidazole in a Breast Tumor Model. Analytical Chemistry, 2016, 88, 3107-3114.	6.5	32
23	A public repository for mass spectrometry imaging data. Analytical and Bioanalytical Chemistry, 2015, 407, 2027-2033.	3.7	31
24	Protein and Peptide Composition of Male Accessory Glands of Apis mellifera Drones Investigated by Mass Spectrometry. PLoS ONE, 2015, 10, e0125068.	2.5	27
25	Approaching cellular resolution and reliable identification in mass spectrometry imaging of tryptic peptides. Analytical and Bioanalytical Chemistry, 2018, 410, 5825-5837.	3.7	26
26	Biotransformation of the Antibiotic Danofloxacin by Xylaria longipes Leads to an Efficient Reduction of Its Antibacterial Activity. Journal of Agricultural and Food Chemistry, 2015, 63, 6897-6904.	5.2	22
27	Integrating High-Resolution MALDI Imaging into the Development Pipeline of Anti-Tuberculosis Drugs. Journal of the American Society for Mass Spectrometry, 2020, 31, 2277-2286.	2.8	15
28	Histology-guided high-resolution AP-SMALDI mass spectrometry imaging of wheat-Fusarium graminearum interaction at the rootâ€“shoot junction. Plant Methods, 2018, 14, 103.	4.3	14
29	Matrix ions as internal standard for high mass accuracy matrixâ€assisted laser desorption/ionization mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2021, 35, e9110.	1.5	14
30	MALDI mass spectrometry imaging: From constituents in fresh food to ingredients, contaminants and additives in processed food. Food Chemistry, 2022, 385, 132529.	8.2	14
31	Inhibition of Low-Grade Inflammation by Anthocyanins after Microbial Fermentation in Vitro. Nutrients, 2016, 8, 411.	4.1	12
32	Do Anti-tuberculosis Drugs Reach Their Target?â”€High-Resolution Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Provides Information on Drug Penetration into Necrotic Granulomas. Analytical Chemistry, 2022, 94, 5483-5492.	6.5	12
33	Current trends in mass spectrometry imaging. Analytical and Bioanalytical Chemistry, 2015, 407, 2023-2025.	3.7	10
34	Resolution pattern for mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2015, 29, 1019-1024.	1.5	9
35	Error-Free Data Visualization and Processing through imzML and mzML Validation. Analytical Chemistry, 2018, 90, 13378-13384.	6.5	7
36	Classification of target tissues of Eisenia fetida using sequential multimodal chemical analysis and machine learning. Histochemistry and Cell Biology, 2022, 157, 127-137.	1.7	6

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37	Monitoring of Paclitaxel, Taxine B and 10-Deacethylbaccatin III in Taxus baccata L. by Nano LCâ€“FTMS and NMR Spectroscopy. Chromatographia, 2010, 72, 833-839.	1.3	3
38	Interleukin-13-Overexpressing Mice Represent an Advanced Preclinical Model for Detecting the Distribution of Antimycobacterial Drugs within Centrally Necrotizing Granulomas. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0158821.	3.2	2
39	MALDI mass spectrometry imaging workflow for the aquatic model organisms Danio rerio and Daphnia magna. Scientific Reports, 2022, 12, 7288.	3.3	2