

Andreas Roempp

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,794
citations

236925

25
h-index

302126

39
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40
all docs

40
docs citations

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times ranked

4156
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of target tissues of <i>Eisenia fetida</i> using sequential multimodal chemical analysis and machine learning. <i>Histochemistry and Cell Biology</i> , 2022, 157, 127-137.	1.7	6
2	Do Anti-tuberculosis Drugs Reach Their Target? High-Resolution Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Provides Information on Drug Penetration into Necrotic Granulomas. <i>Analytical Chemistry</i> , 2022, 94, 5483-5492.	6.5	12
3	MALDI mass spectrometry imaging: From constituents in fresh food to ingredients, contaminants and additives in processed food. <i>Food Chemistry</i> , 2022, 385, 132529.	8.2	14
4	Interleukin-13-Overexpressing Mice Represent an Advanced Preclinical Model for Detecting the Distribution of Antimycobacterial Drugs within Centrally Necrotizing Granulomas. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0158821.	3.2	2
5	MALDI mass spectrometry imaging workflow for the aquatic model organisms <i>Danio rerio</i> and <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2022, 12, 7288.	3.3	2
6	Multimodal Imaging Based on Vibrational Spectroscopies and Mass Spectrometry Imaging Applied to Biological Tissue: A Multiscale and Multiomics Review. <i>Analytical Chemistry</i> , 2021, 93, 445-477.	6.5	43
7	Matrix ions as internal standard for high mass accuracy matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9110.	1.5	14
8	Integrating High-Resolution MALDI Imaging into the Development Pipeline of Anti-Tuberculosis Drugs. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2277-2286.	2.8	15
9	Correlative mass spectrometry imaging, applying time-of-flight secondary ion mass spectrometry and atmospheric pressure matrix-assisted laser desorption/ionization to a single tissue section. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 159-166.	1.5	35
10	Histology-guided high-resolution AP-SMALDI mass spectrometry imaging of wheat- <i>Fusarium graminearum</i> interaction at the root-shoot junction. <i>Plant Methods</i> , 2018, 14, 103.	4.3	14
11	Error-Free Data Visualization and Processing through imzML and mzML Validation. <i>Analytical Chemistry</i> , 2018, 90, 13378-13384.	6.5	7
12	Approaching cellular resolution and reliable identification in mass spectrometry imaging of tryptic peptides. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5825-5837.	3.7	26
13	Inhibition of Low-Grade Inflammation by Anthocyanins after Microbial Fermentation in Vitro. <i>Nutrients</i> , 2016, 8, 411.	4.1	12
14	High-resolution MALDI mass spectrometry imaging of gallotannins and monoterpene glucosides in the root of <i>Paeonia lactiflora</i> . <i>Scientific Reports</i> , 2016, 6, 36074.	3.3	39
15	Mass Spectrometry Imaging of the Hypoxia Marker Pimonidazole in a Breast Tumor Model. <i>Analytical Chemistry</i> , 2016, 88, 3107-3114.	6.5	32
16	Protein and Peptide Composition of Male Accessory Glands of <i>Apis mellifera</i> Drones Investigated by Mass Spectrometry. <i>PLoS ONE</i> , 2015, 10, e0125068.	2.5	27
17	Current trends in mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2023-2025.	3.7	10
18	Mass spectrometry imaging of biological tissue: an approach for multicenter studies. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2329-2335.	3.7	38

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19	A public repository for mass spectrometry imaging data. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2027-2033.	3.7	31
20	Biotransformation of the Antibiotic Danofloxacin by <i>Xylaria longipes</i> Leads to an Efficient Reduction of Its Antibacterial Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6897-6904.	5.2	22
21	Resolution pattern for mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1019-1024.	1.5	9
22	Uptake and bioavailability of anthocyanins and phenolic acids from grape/blueberry juice and smoothie <i>in vitro</i> and <i>in vivo</i> . <i>British Journal of Nutrition</i> , 2015, 113, 1044-1055.	2.3	88
23	Phospholipid Topography of Whole-Body Sections of the <i>Anopheles stephensi</i> Mosquito, Characterized by High-Resolution Atmospheric-Pressure Scanning Microprobe Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2015, 87, 11309-11316.	6.5	44
24	High resolution mass spectrometry imaging of plant tissues: towards a plant metabolite atlas. <i>Analyst</i> , 2015, 140, 7696-7709.	3.5	91
25	Discussion point: reporting guidelines for mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2035-2045.	3.7	51
26	Analysis of cyathane-type diterpenoids from <i>Cyathus striatus</i> and <i>Herichium erinaceus</i> by high-resolution MALDI MS imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 695-704.	3.7	34
27	Proteomics study of silver nanoparticles toxicity on <i>Bacillus thuringiensis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2014, 100, 122-130.	6.0	42
28	Proteomics study of silver nanoparticles toxicity on <i>Oryza sativa</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 335-339.	6.0	151
29	High-resolution atmospheric pressure infrared laser desorption/ionization mass spectrometry imaging of biological tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6959-6968.	3.7	33
30	Mass spectrometry imaging with high resolution in mass and space. <i>Histochemistry and Cell Biology</i> , 2013, 139, 759-783.	1.7	294
31	imzML – A common data format for the flexible exchange and processing of mass spectrometry imaging data. <i>Journal of Proteomics</i> , 2012, 75, 5106-5110.	2.4	272
32	High-resolution matrix-assisted laser desorption/ionization imaging of tryptic peptides from tissue. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1141-1146.	1.5	67
33	Single Cell Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2012, 84, 6293-6297.	6.5	176
34	AP-MALDI imaging of neuropeptides in mouse pituitary gland with 5¼m spatial resolution and high mass accuracy. <i>International Journal of Mass Spectrometry</i> , 2011, 305, 228-237.	1.5	102
35	Mass spectrometry imaging with high resolution in mass and space (HR2 MSI) for reliable investigation of drug compound distributions on the cellular level. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 65-73.	3.7	133
36	mzML – a Community Standard for Mass Spectrometry Data. <i>Molecular and Cellular Proteomics</i> , 2011, 10, R110.000133.	3.8	555

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37	imzML: Imaging Mass Spectrometry Markup Language: A Common Data Format for Mass Spectrometry Imaging. <i>Methods in Molecular Biology</i> , 2011, 696, 205-224.	0.9	64
38	Monitoring of Paclitaxel, Taxine B and 10-Deacetylbaccatin III in <i>Taxus baccata</i> L. by Nano LC-FTMS and NMR Spectroscopy. <i>Chromatographia</i> , 2010, 72, 833-839.	1.3	3
39	Histology by Mass Spectrometry: Label-Free Tissue Characterization Obtained from High-Accuracy Bioanalytical Imaging. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3834-3838.	13.8	184