

Andrew R Korte

List of Publications by Year in descending order

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papers

688
citations

566801

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#	ARTICLE	IF	CITATIONS
1	Subcellular-level resolution MALDI-MS imaging of maize leaf metabolites by MALDI-linear ion trap-Orbitrap mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2301-2309.	1.9	113
2	Molecular Imaging of Biological Samples on Nanophotonic Laser Desorption Ionization Platforms. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4482-4486.	7.2	86
3	Large Scale Nanoparticle Screening for Small Molecule Analysis in Laser Desorption Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 8926-8930.	3.2	82
4	MALDI-MS analysis and imaging of small molecule metabolites with 1,5-diaminonaphthalene (DAN). <i>Journal of Mass Spectrometry</i> , 2014, 49, 737-741.	0.7	59
5	Spatial Mapping and Profiling of Metabolite Distributions during Germination. <i>Plant Physiology</i> , 2017, 174, 2532-2548.	2.3	50
6	Large-Scale Metabolite Analysis of Standards and Human Serum by Laser Desorption Ionization Mass Spectrometry from Silicon Nanopost Arrays. <i>Analytical Chemistry</i> , 2016, 88, 8989-8996.	3.2	38
7	The Molecular Composition of Soot. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4484-4490.	7.2	36
8	High Throughput Complementary Analysis and Quantitation of Metabolites by MALDI- and Silicon Nanopost Array-Laser Desorption/Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 3951-3958.	3.2	32
9	Trace Analysis and Reaction Monitoring by Nanophotonic Ionization Mass Spectrometry from Elevated Bowtie and Silicon Nanopost Arrays. <i>Advanced Functional Materials</i> , 2018, 28, 1801730.	7.8	31
10	Mass Spectrometry Imaging of Lipids in Human Skin Disease Model Hidradenitis Suppurativa by Laser Desorption Ionization from Silicon Nanopost Arrays. <i>Scientific Reports</i> , 2019, 9, 17508.	1.6	28
11	Matrix-free mass spectrometry imaging of mouse brain tissue sections on silicon nanopost arrays. <i>Journal of Comparative Neurology</i> , 2019, 527, 2101-2121.	0.9	23
12	Multimodal imaging of biological tissues using combined MALDI and NAPA-LDI mass spectrometry for enhanced molecular coverage. <i>Analyst, The</i> , 2020, 145, 6910-6918.	1.7	21
13	Mass spectrometry imaging of triglycerides in biological tissues by laser desorption ionization from silicon nanopost arrays. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4443.	0.7	18
14	The Molecular Composition of Soot. <i>Angewandte Chemie</i> , 2020, 132, 4514-4520.	1.6	18
15	Molecular Imaging of Biological Samples on Nanophotonic Laser Desorption Ionization Platforms. <i>Angewandte Chemie</i> , 2016, 128, 4558-4562.	1.6	16
16	Multiplex MALDI-MS Imaging of Plant Metabolites Using a Hybrid MS System. <i>Methods in Molecular Biology</i> , 2015, 1203, 49-62.	0.4	13
17	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.	0.4	11
18	Enhanced sensitivity and metabolite coverage with remote laser ablation electrospray ionization-mass spectrometry aided by coaxial plume and gas dynamics. <i>Analyst, The</i> , 2017, 142, 3157-3164.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Remote ablation chamber for high efficiency particle transfer in laser ablation electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2020, 145, 5861-5869.	1.7	1
20	Application of chemical graph theory to PAH isomer enumeration and structure in laser desorption/ionization mass spectrometry studies of particulate from an ethylene diffusion flame. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 1345-1353.	2.4	1
21	Titelbild: Molecular Imaging of Biological Samples on Nanophotonic Laser Desorption Ionization Platforms (<i>Angew. Chem.</i> 14/2016). <i>Angewandte Chemie</i> , 2016, 128, 4443-4443.	1.6	0