

Ingela Lanekoff

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,597
citations

361045

20
h-index

344852

36
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39
all docs

39
docs citations

39
times ranked

1590
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in mass spectrometry based single-cell metabolomics. <i>Analyst, The</i> , 2019, 144, 782-793.	1.7	189
2	Ambient Mass Spectrometry Imaging Using Direct Liquid Extraction Techniques. <i>Analytical Chemistry</i> , 2016, 88, 52-73.	3.2	137
3	Automated Platform for High-Resolution Tissue Imaging Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 8351-8356.	3.2	120
4	Imaging Nicotine in Rat Brain Tissue by Use of Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 882-889.	3.2	108
5	Shotgun Approach for Quantitative Imaging of Phospholipids Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 1872-1880.	3.2	93
6	PACAP suppresses dry eye signs by stimulating tear secretion. <i>Nature Communications</i> , 2016, 7, 12034.	5.8	90
7	Matrix effects in biological mass spectrometry imaging: identification and compensation. <i>Analyst, The</i> , 2014, 139, 3528.	1.7	84
8	Quantitative mass spectrometry imaging of small-molecule neurotransmitters in rat brain tissue sections using nanospray desorption electrospray ionization. <i>Analyst, The</i> , 2016, 141, 3686-3695.	1.7	80
9	Profiling and quantifying endogenous molecules in single cells using nano-DESI MS. <i>Analyst, The</i> , 2017, 142, 3639-3647.	1.7	76
10	High-Speed Tandem Mass Spectrometric in Situ Imaging by Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 9596-9603.	3.2	69
11	Quantitative Mass Spectrometry Imaging of Prostaglandins as Silver Ion Adducts with Nanospray Desorption Electrospray Ionization. <i>Analytical Chemistry</i> , 2018, 90, 7246-7252.	3.2	61
12	Single-cell metabolomics: where are we and where are we going?. <i>Current Opinion in Biotechnology</i> , 2022, 75, 102693.	3.3	53
13	Spatially resolved analysis of glycolipids and metabolites in living <i>Synechococcus</i> sp. PCC 7002 using nanospray desorption electrospray ionization. <i>Analyst, The</i> , 2013, 138, 1971.	1.7	48
14	Three-dimensional imaging of lipids and metabolites in tissues by nanospray desorption electrospray ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2063-2071.	1.9	47
15	Relative Quantification of Phospholipid Accumulation in the PC12 Cell Plasma Membrane Following Phospholipid Incubation Using TOF-SIMS Imaging. <i>Analytical Chemistry</i> , 2011, 83, 5337-5343.	3.2	43
16	Time of Flight Mass Spectrometry Imaging of Samples Fractured In Situ with a Spring-Loaded Trap System. <i>Analytical Chemistry</i> , 2010, 82, 6652-6659.	3.2	35
17	Metabolite aberrations in early diabetes detected in rat kidney using mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2809-2816.	1.9	29
18	A pneumatically assisted nanospray desorption electrospray ionization source for increased solvent versatility and enhanced metabolite detection from tissue. <i>Analyst, The</i> , 2017, 142, 3424-3431.	1.7	23

#	ARTICLE	IF	CITATIONS
19	Oversampling To Improve Spatial Resolution for Liquid Extraction Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 2451-2455.	3.2	23
20	An <i>in situ</i> fracture device to image lipids in single cells using ToF-SIMS. <i>Surface and Interface Analysis</i> , 2011, 43, 257-260.	0.8	22
21	Analysis of intact ladderane phospholipids, originating from viable anammox bacteria, using RP-LC-ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3543-3551.	1.9	19
22	Trp53 deficient mice predisposed to preterm birth display region-specific lipid alterations at the embryo implantation site. <i>Scientific Reports</i> , 2016, 6, 33023.	1.6	17
23	CpG preconditioning reduces accumulation of lysophosphatidylcholine in ischemic brain tissue after middle cerebral artery occlusion. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2735-2745.	1.9	15
24	Spatially Defined Surface Sampling Capillary Electrophoresis Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 7819-7827.	3.2	13
25	Host-Guest Chemistry for Simultaneous Imaging of Endogenous Alkali Metals and Metabolites with Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 2391-2398.	3.2	13
26	Quantitative determination of sn-positional phospholipid isomers in MSn using silver cationization. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7473-7482.	1.9	12
27	Mass spectrometry imaging of freeze-dried membrane phospholipids of dividing <i>Tetrahymena pyriformis</i> . <i>Surface and Interface Analysis</i> , 2013, 45, 211-214.	0.8	10
28	Direct Analysis of Pharmaceutical Drugs Using Nano-DESI MS. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-6.	0.7	10
29	Imaging of Lipids and Metabolites Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2015, 1203, 99-106.	0.4	10
30	Determination of Monounsaturated Fatty Acid Isomers in Biological Systems by Modeling MS ³ Product Ion Patterns. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2479-2487.	1.2	9
31	Statistical detection of differentially abundant ions in mass spectrometry-based imaging experiments with complex designs. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 49-57.	0.7	8
32	In situ imaging reveals disparity between prostaglandin localization and abundance of prostaglandin synthases. <i>Communications Biology</i> , 2021, 4, 966.	2.0	8
33	Membrane Sampling Separates Naphthenic Acids from Biogenic Dissolved Organic Matter for Direct Analysis by Mass Spectrometry. <i>Environmental Science & Technology</i> , 2022, 56, 3096-3105.	4.6	6
34	Silver-Doped Nano-DESI MSI for Increased Specificity and Sensitivity of Alkenes. <i>Methods in Molecular Biology</i> , 2022, 2437, 241-249.	0.4	6
35	Towards Adaptive, Streaming Analysis of X-ray Tomography Data. <i>Synchrotron Radiation News</i> , 2015, 28, 10-14.	0.2	5
36	Quantitative Mass Spectrometry Imaging of Molecules in Biological Systems. , 2017, , 43-72.		3