

Sven W Meckelmann

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

404
citations

840776

11
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	LipidCreator workbench to probe the lipidomic landscape. <i>Nature Communications</i> , 2020, 11, 2057.	12.8	58
2	Identification of Chaoborus kairomone chemicals that induce defences in Daphnia. <i>Nature Chemical Biology</i> , 2018, 14, 1133-1139.	8.0	50
3	Specific oxygenation of plasma membrane phospholipids by <i>Pseudomonas aeruginosa</i> lipoxygenase induces structural and functional alterations in mammalian cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 152-164.	2.4	41
4	A Comprehensive UHPLC Ion Mobility Quadrupole Time-of-Flight Method for Profiling and Quantification of Eicosanoids, Other Oxylipins, and Fatty Acids. <i>Analytical Chemistry</i> , 2019, 91, 8025-8035.	6.5	40
5	LipidFinder on LIPID MAPS: peak filtering, MS searching and statistical analysis for lipidomics. <i>Bioinformatics</i> , 2019, 35, 685-687.	4.1	38
6	LipidFinder: A computational workflow for discovery of lipids identifies eicosanoid-phosphoinositides in platelets. <i>JCI Insight</i> , 2017, 2, e91634.	5.0	32
7	Capillary zone electrophoresis coupled to drift tube ion mobility-mass spectrometry for the analysis of native and APTS-labeled N-glycans. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6255-6264.	3.7	28
8	Molecular Evolution in a Peptide-Vesicle System. <i>Life</i> , 2018, 8, 16.	2.4	21
9	Comparison of derivatization/ionization techniques for liquid chromatography tandem mass spectrometry analysis of oxylipins. <i>Prostaglandins and Other Lipid Mediators</i> , 2017, 130, 8-15.	1.9	19
10	Non-targeted and targeted analysis of oxylipins in combination with charge-switch derivatization by ion mobility high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5743-5757.	3.7	17
11	Chemical characterization of eight herbal liqueurs by means of liquid chromatography coupled with ion mobility quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1631, 461560.	3.7	15
12	Differentiation of industrial hemp strains by their cannabinoid and phenolic compounds using LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5445-5459.	3.7	9
13	Lipid characterization of arabica and robusta coffee beans by liquid chromatography-ion mobility-mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2022, 111, 104587.	3.9	9
14	Effect of Sampling Rate and Data Pretreatment for Targeted and Nontargeted Analysis by Means of Liquid Chromatography Coupled to Drift Time Ion Mobility Quadrupole Time-of-Flight Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2592-2603.	2.8	7
15	Comparative study for analysis of carbohydrates in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2117-2130.	3.7	7
16	Metabolic Dysregulation of the Lysophospholipid/Autotaxin Axis in the Chromosome 9p21 Gene SNP rs10757274. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002806.	3.6	6
17	Potential of atmospheric pressure ionization sources for the analysis of free fatty acids in clinical and biological samples by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6621-6634.	3.7	4
18	Ultrafast cold-brewing of coffee by picosecond-pulsed laser extraction. <i>Npj Science of Food</i> , 2022, 6, 19.	5.5	3

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19	Evaluation and comparison of phenolic compounds in herbal liqueurs by multidimensional analytical platforms. Lebensmittelchemie, 2021, 75, S051.	0.0	0
20	Charakterisierung der Lipide in grünen Arabica und Robusta Kaffeebohnen mittels LC-MS/MS. Lebensmittelchemie, 2021, 75, S053.	0.0	0