

Denise Wolrab

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

741
citations

471371

17
h-index

552653

26
g-index

31
all docs

31
docs citations

31
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipidomic profiling of human serum enables detection of pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 124.	5.8	68
2	Validation of lipidomic analysis of human plasma and serum by supercritical fluid chromatography–mass spectrometry and hydrophilic interaction liquid chromatography–mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2375-2388.	1.9	58
3	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	5.8	54
4	Strong cation exchange-type chiral stationary phase for enantioseparation of chiral amines in subcritical fluid chromatography. <i>Journal of Chromatography A</i> , 2013, 1289, 94-104.	1.8	53
5	Oncolipidomics: Mass spectrometric quantitation of lipids in cancer research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115480.	5.8	46
6	Direct coupling of supercritical fluid chromatography with tandem mass spectrometry for the analysis of amino acids and related compounds: Comparing electrospray ionization and atmospheric pressure chemical ionization. <i>Analytica Chimica Acta</i> , 2017, 981, 106-115.	2.6	42
7	Randomised clinical study: the effects of oral taurine 6g/day vs placebo on portal hypertension. <i>Alimentary Pharmacology and Therapeutics</i> , 2018, 47, 86-94.	1.9	36
8	Consequences of transition from liquid chromatography to supercritical fluid chromatography on the overall performance of a chiral zwitterionic ion-exchanger. <i>Journal of Chromatography A</i> , 2017, 1517, 165-175.	1.8	35
9	Combined Proteome and Eicosanoid Profiling Approach for Revealing Implications of Human Fibroblasts in Chronic Inflammation. <i>Analytical Chemistry</i> , 2017, 89, 1945-1954.	3.2	33
10	Lipidomic characterization of exosomes isolated from human plasma using various mass spectrometry techniques. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158634.	1.2	31
11	Chiral separation of new designer drugs (Cathinones) on chiral ion-exchange type stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 306-315.	1.4	30
12	Response Profiling Using Shotgun Proteomics Enables Global Metallodrug Mechanisms of Action To Be Established. <i>Chemistry - A European Journal</i> , 2017, 23, 1881-1890.	1.7	30
13	Quantification of the neurotransmitters melatonin and N-acetyl-serotonin in human serum by supercritical fluid chromatography coupled with tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 937, 168-174.	2.6	29
14	Determination of one year stability of lipid plasma profile and comparison of blood collection tubes using UHPSFC/MS and HILIC-UHPLC/MS. <i>Analytica Chimica Acta</i> , 2020, 1137, 74-84.	2.6	22
15	Click chemistry immobilization strategies in the development of strong cation exchanger chiral stationary phases for HPLC. <i>Journal of Separation Science</i> , 2013, 36, 2826-2837.	1.3	20
16	Retention dependences support highly confident identification of lipid species in human plasma by reversed-phase UHPLC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 319-331.	1.9	20
17	Strong cation exchange chiral stationary phase—A comparative study in high-performance liquid chromatography and subcritical fluid chromatography. <i>Journal of Chromatography A</i> , 2013, 1317, 59-66.	1.8	17
18	Plasma lipidomic profiles of kidney, breast and prostate cancer patients differ from healthy controls. <i>Scientific Reports</i> , 2021, 11, 20322.	1.6	17

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19	Ultrahigh-performance supercritical fluid chromatography / mass spectrometry in the lipidomic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116546.	5.8	16
20	Strong cation- and zwitterion-exchange-type mixed-mode stationary phases for separation of pharmaceuticals and biogenic amines in different chromatographic modes. <i>Journal of Chromatography A</i> , 2021, 1635, 461751.	1.8	13
21	Intra-laboratory comparison of four analytical platforms for lipidomic quantitation using hydrophilic interaction liquid chromatography or supercritical fluid chromatography coupled to quadrupole - time-of-flight mass spectrometry. <i>Talanta</i> , 2021, 231, 122367.	2.9	13
22	Comprehensive Identification of Glycosphingolipids in Human Plasma Using Hydrophilic Interaction Liquid Chromatography- Electro spray Ionization Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 140.	1.3	12
23	LipidQuant 1.0: automated data processing in lipid class separation- mass spectrometry quantitative workflows. <i>Bioinformatics</i> , 2021, 37, 4591-4592.	1.8	11
24	Enantioseparation of α -carboline derivatives on polysaccharide- and strong cation exchanger-based chiral stationary phases. A comparative study. <i>Journal of Chromatography A</i> , 2016, 1467, 188-198.	1.8	10
25	Ultrahigh-performance supercritical fluid chromatography - mass spectrometry for the qualitative analysis of metabolites covering a large polarity range. <i>Journal of Chromatography A</i> , 2022, 1665, 462832.	1.8	7
26	Novel Chiral Selector Based on Mefloquine - A Comparative NMR Study to Elucidate Intermolecular Interactions with Acidic Chiral Selectands. <i>Chirality</i> , 2012, 24, 936-943.	1.3	6
27	Simple and Reproducible Derivatization with Benzoyl Chloride: Improvement of Sensitivity for Multiple Lipid Classes in RP-UHPLC/MS. <i>Analytical Chemistry</i> , 2021, 93, 13835-13843.	3.2	3
28	OTEH-7. Molecular characterization of tumor stiffness in glioblastoma. <i>Neuro-Oncology Advances</i> , 2021, 3, ii11-ii12.	0.4	0