

Elsa Lundanes

List of Publications by Year in descending order

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72
papers

1,869
citations

236925

25
h-index

289244

40
g-index

76
all docs

76
docs citations

76
times ranked

2106
citing authors

#	ARTICLE	IF	CITATIONS
1	Brominated flame retardants in plasma samples from three different occupational groups in Norway. <i>Journal of Environmental Monitoring</i> , 2001, 3, 366-370.	2.1	163
2	Nano-LC in proteomics: recent advances and approaches. <i>Bioanalysis</i> , 2015, 7, 1799-1815.	1.5	118
3	Proteomics tools reveal startlingly high amounts of oxytocin in plasma and serum. <i>Scientific Reports</i> , 2016, 6, 31693.	3.3	90
4	Determination of pharmaceutical residues in wastewater using high performance liquid chromatography coupled to quadrupole-Orbitrap mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 133, 64-74.	2.8	81
5	Recent advances in on-line multidimensional liquid chromatography. <i>Analytical Methods</i> , 2010, 2, 110-122.	2.7	72
6	Mass spectrometric detection of 27-hydroxycholesterol in breast cancer exosomes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 169, 22-28.	2.5	64
7	2D LC Separation and Determination of Bradykinin in Rat Muscle Tissue Dialysate with On-Line SPE-HILIC-SPE-RP-MS. <i>Chromatographia</i> , 2007, 66, 469-474.	1.3	62
8	Liquid chromatography-mass spectrometry platform for both small neurotransmitters and neuropeptides in blood, with automatic and robust solid phase extraction. <i>Scientific Reports</i> , 2015, 5, 9308.	3.3	54
9	Validated methods for determination of neurotransmitters and metabolites in rodent brain tissue and extracellular fluid by reversed phase UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1028, 120-129.	2.3	53
10	Separation of fuels, heavy fractions, and crude oils into compound classes: A review. <i>Journal of High Resolution Chromatography</i> , 1994, 17, 197-202.	1.4	51
11	A simplified method for determination of tetrabromobisphenol A and polybrominated diphenyl ethers in human plasma and serum. <i>Journal of Separation Science</i> , 2001, 24, 282-290.	2.5	50
12	Isoelectric point separation of proteins by capillary pH-gradient ion-exchange chromatography. <i>Journal of Chromatography A</i> , 2004, 1025, 217-226.	3.7	50
13	Temperature-Programmed Packed Capillary Liquid Chromatography Separation with Large Volume On-Column Focusing of Retinyl Esters. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 490-494.	1.4	43
14	Highly automated nano-LC/MS-based approach for thousand cell-scale quantification of side chain-hydroxylated oxysterols. <i>Journal of Lipid Research</i> , 2014, 55, 1531-1536.	4.2	42
15	Nano liquid chromatography columns. <i>Analyst</i> , The, 2019, 144, 7090-7104.	3.5	40
16	Temperature effects on retention in reversed phase liquid chromatography. <i>Journal of Separation Science</i> , 2001, 24, 930-940.	2.5	37
17	Open Tubular Lab-On-Column/Mass Spectrometry for Targeted Proteomics of Nanogram Sample Amounts. <i>PLoS ONE</i> , 2014, 9, e106881.	2.5	35
18	Integrated enzyme reactor and high resolving chromatography in sub-chip dimensions for sensitive protein mass spectrometry. <i>Scientific Reports</i> , 2013, 3, 3511.	3.3	30

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19	A critical evaluation of Amicon Ultra centrifugal filters for separating proteins, drugs and nanoparticles in biosamples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 106-111.	2.8	29
20	High throughput online solid phase extraction-ultra high performance liquid chromatography-tandem mass spectrometry method for polyfluoroalkyl phosphate esters, perfluoroalkyl phosphonates, and other perfluoroalkyl substances in human serum, plasma, and whole blood. <i>Analytica Chimica Acta</i> , 2017, 957, 10-19.	5.4	29
21	Multichannel Open Tubular Enzyme Reactor Online Coupled with Mass Spectrometry for Detecting Ricin. <i>Analytical Chemistry</i> , 2017, 89, 8667-8673.	6.5	28
22	Nonaqueous electrochromatography on C30 columns: Separation of retinyl esters. <i>Electrophoresis</i> , 1999, 20, 2373-2378.	2.4	26
23	Separation of Ceramides by Sub-Ambient Temperature-Assisted Large Volume Injection in Temperature-Programmed Packed Capillary Liquid Chromatography. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 653-655.	1.4	26
24	Determination of bradykinin and arg-bradykinin in rat muscle tissue by microdialysis and capillary column-switching liquid chromatography with mass spectrometric detection. <i>Journal of Separation Science</i> , 2005, 28, 1751-1758.	2.5	26
25	Self-packed core shell nano liquid chromatography columns and silica-based monolithic trap columns for targeted proteomics. <i>Journal of Chromatography A</i> , 2017, 1498, 111-119.	3.7	26
26	Novel column oven concept for cold spot large volume sample enrichment in high throughput temperature gradient capillary liquid chromatography. <i>Journal of Separation Science</i> , 2003, 26, 1147-1153.	2.5	25
27	Controlling the retention in capillary LC with solvents, temperature, and electric fields. <i>Journal of Separation Science</i> , 2004, 27, 1402-1418.	2.5	25
28	Selective Fishing for Peptides with Antibody-Immobilized Acrylate Monoliths, Coupled Online with NanoLC-MS. <i>Analytical Chemistry</i> , 2018, 90, 13860-13866.	6.5	25
29	Ultracentrifugation versus kit exosome isolation: nanoLC-MS and other tools reveal similar performance biomarkers, but also contaminations. <i>Future Science OA</i> , 2019, 5, FSO359.	1.9	25
30	Fast liquid chromatography-mass spectrometry reveals side chain oxysterol heterogeneity in breast cancer tumour samples. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 192, 105309.	2.5	23
31	An automated and self-cleaning nano liquid chromatography mass spectrometry platform featuring an open tubular multi-hole crystal fiber solid phase extraction column and an open tubular separation column. <i>Journal of Chromatography A</i> , 2017, 1518, 104-110.	3.7	21
32	Nonaqueous packed capillary electrochromatography on C18 columns: Separation of retinyl esters. <i>Journal of Separation Science</i> , 1999, 11, 421-430.	1.0	20
33	Liquid chromatography, a key tool for the advancement of single-cell omics analysis. <i>Analytica Chimica Acta</i> , 2021, 1178, 338551.	5.4	20
34	Nonaqueous electrochromatography on continuous bed columns of sol-gel bonded large-pore C30 material: Separation of retinyl esters. <i>Journal of Separation Science</i> , 2000, 12, 561-567.	1.0	19
35	Limitations of porous graphitic carbon as stationary phase material in the determination of catecholamines. <i>Journal of Chromatography A</i> , 2006, 1119, 285-293.	3.7	19
36	Trace determination of primary nerve agent degradation products in aqueous soil extracts by on-line solid phase extraction-liquid chromatography-mass spectrometry using ZrO ₂ for enrichment. <i>Journal of Chromatography A</i> , 2014, 1329, 90-97.	3.7	19

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37	Electromembrane Extraction and Mass Spectrometry for Liver Organoid Drug Metabolism Studies. <i>Analytical Chemistry</i> , 2021, 93, 3576-3585.	6.5	19
38	Temperature-Programmed Packed Capillary Liquid Chromatography Coupled to Fourier-Transform Infrared Spectroscopy. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 525-530.	1.4	18
39	Capillary gas chromatography coupled with negative ionization microplasma mass spectrometry for halogen-selective detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 55-60.	3.0	18
40	Simultaneous Element-Selective Detection of C, F, Cl, Br, and I by Capillary Gas Chromatography Coupled with Microplasma Mass Spectrometry. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 633-639.	1.4	17
41	Quantitation of High Boiling Fractions of North Sea Oil after Class Separation and Gel Permeation Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1985, 8, 1035-1051.	1.0	16
42	The impact of column inner diameter on chromatographic performance in temperature gradient liquid chromatography. <i>Analyst, The</i> , 2003, 128, 1341.	3.5	16
43	Dried blood spots for reliable biomonitoring of poly- and perfluoroalkyl substances (PFASs). <i>Science of the Total Environment</i> , 2019, 655, 1420-1426.	8.0	16
44	Determination of 1-(2-methoxyphenyl)-piperazine derivatives of airborne diisocyanates by packed capillary liquid chromatography with pre-column large-volume enrichment. <i>Journal of Separation Science</i> , 2001, 24, 947-955.	2.5	15
45	Recent advances in on-line upfront devices for sensitive bioanalytical nano LC methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116190.	11.4	14
46	Comparison of commercial nanoliquid chromatography columns for fast, targeted mass spectrometry-based proteomics. <i>Future Science OA</i> , 2016, 2, FSO119.	1.9	13
47	Temperature-promoted large-volume solute enrichment in column-switching miniaturized liquid chromatography: Determination of an antioxidant. <i>Analyst, The</i> , 2002, 127, 892-897.	3.5	12
48	Temperature-programmed non-aqueous electrochromatographic separation of retinyl esters. <i>Journal of Separation Science</i> , 2001, 24, 435-443.	2.5	11
49	Underivatized oxysterols and nanoLC-ESI-MS: A mismatch. <i>Steroids</i> , 2015, 99, 125-130.	1.8	11
50	Trace determination of peptides in water samples using packed capillary liquid chromatography with UV and MS detection and characterization of peptide oxidation products by MS. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1021-1030.	3.7	10
51	Guard Columns in HPLC: An Examination of the Effect of MPLC Cartridge Guard Columns on Column Efficiencies and Some Theoretical Aspects of the Use of Guard Columns. <i>Journal of Chromatographic Science</i> , 1983, 21, 235-240.	1.4	9
52	Capillary Gas Chromatography Coupled with Microplasma Mass Spectrometry - Improved Ion Source Design Compatible with Bench-Top Mass Spectrometric Instrumentation. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 282-286.	1.4	9
53	The Behaviour of Reduced, Alkylated and Native Proteins in a pH-Gradient LC System. <i>Chromatographia</i> , 2007, 66, 709-715.	1.3	8
54	Online Method for Identification of Native Proteins using pH-Gradient SAX Chromatography and Reversed Phase Chromatography-Mass Spectrometry of Tryptic Peptides. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 1387-1411.	1.0	8

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55	Microcapillary array columns (μ PAC): An efficient tool for comparing tissue and cultured cells of glioblastoma. <i>Journal of Chromatography Open</i> , 2022, 2, 100047.	2.2	7
56	Separation of Apolipoprotein A $\text{\textcircled{L}}$ from Human Plasma by On $\text{\textcircled{L}}$ Line Two Dimensional Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 1879-1894.	1.0	6
57	Non-aqueous capillary electrophoretic separation of cholesterol and 25-hydroxycholesterol after derivatization with Girard P reagent. <i>Chemistry and Physics of Lipids</i> , 2017, 207, 87-91.	3.2	6
58	Nuclear Magnetic Resonance Spectroscopy to Identify Metabolite Biomarkers of Nonresponsiveness to Targeted Therapy in Glioblastoma Tumor Stem Cells. <i>Journal of Proteome Research</i> , 2019, 18, 2012-2020.	3.7	6
59	Determination of 3 $\text{\textcircled{2}}$ -phosphoadenosine-5 $\text{\textcircled{2}}$ -phosphosulfate in cells and Golgi fractions using hydrophilic interaction liquid chromatography $\text{\textcircled{L}}$ mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1470, 70-75.	3.7	5
60	Exploring bioimpedance instrumentation for the characterization of open tubular liquid chromatography columns. <i>Journal of Chromatography A</i> , 2018, 1534, 195-200.	3.7	5
61	Investigating Monoliths (Vinyl Azlactone-co-Ethylene Dimethacrylate) as a Support for Enzymes and Drugs, for Proteomics and Drug-Target Studies. <i>Frontiers in Chemistry</i> , 2019, 7, 835.	3.6	5
62	Supercritical Fluid Sample Introduction of Unstable Organometallic Compounds in Supercritical Fluid Chromatography. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 386-388.	1.4	4
63	Searching for a UV-filter in the eyes of high-flying birds. <i>Scientific Reports</i> , 2021, 11, 273.	3.3	3
64	Direct Electromembrane Extraction $\text{\textcircled{B}}$ Based Mass Spectrometry: A Tool for Studying Drug Metabolism Properties of Liver Organoids. <i>Analysis & Sensing</i> , 0, , .	2.0	3
65	On $\text{\textcircled{L}}$ line reduction of insulin disulfide bonds with photoinduced radical reactions, upstream to nano liquid chromatography $\text{\textcircled{L}}$ mass spectrometry. <i>Separation Science Plus</i> , 2022, 5, 220-227.	0.6	3
66	Determination of the identity of by-products in the industrial production of saturated fatty acids. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1996, 73, 1297-1304.	1.9	2
67	Drug Monitoring in Human Plasma by Capillary Gas Chromatography Coupled with Atomic Emission Detection. Potential and Limitations. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 123-125.	1.4	2
68	LC $\text{\textcircled{L}}$ MS/MS Method for Simultaneous Determination of Monoethanol- and Dimethylnitramine in Aqueous Soil Extracts. <i>Chromatographia</i> , 2017, 80, 1475-1481.	1.3	2
69	Mass spectrometry-based measurements of cyclic adenosine monophosphate in cells, simplified using reversed phase liquid chromatography with a polar characterized stationary phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1160, 122384.	2.3	2
70	A simplified method for determination of tetrabromobisphenol A and polybrominated diphenyl ethers in human plasma and serum. , 2001, 24, 282.		1
71	Tailored Polymer-Based Selective Extraction of Lipid Mediators from Biological Samples. <i>Metabolites</i> , 2021, 11, 539.	2.9	0
72	Temperature effects in liquid chromatography. <i>Advances in Chromatography</i> , 2006, 44, 45-77.	1.0	0