

# Åsa Emmer

## List of Publications by Year in descending order

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53  
papers

957  
citations

430874

18  
h-index

477307

29  
g-index

53  
all docs

53  
docs citations

53  
times ranked

848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved capillary zone electrophoretic separation of basic proteins, using a fluorosurfactant buffer additive. <i>Journal of Chromatography A</i> , 1991, 547, 544-550.	3.7	119
2	Simple fabrication of a structured matrix-assisted laser desorption/ionization target coating for increased sensitivity in mass spectrometric analysis of membrane proteins. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1161-1166.	1.5	45
3	Characterization of proteinases from Antarctic krill ( <i>Euphausia superba</i> ). <i>Protein Expression and Purification</i> , 2002, 26, 153-161.	1.3	44
4	A new approach to dynamic deactivation in capillary zone electrophoresis. <i>Journal of High Resolution Chromatography</i> , 1991, 14, 738-740.	1.4	42
5	Parallel reactions in open chip-based nanovials with continuous compensation for solvent evaporation. <i>Electrophoresis</i> , 2000, 21, 91-99.	2.4	41
6	Characterization of micromachined hollow tips for two-dimensional nanoelectrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 337-341.	1.5	41
7	Capillary electrophoresis, combined with an on-line micro post-column enzyme assay. <i>Journal of Chromatography A</i> , 1994, 662, 375-381.	3.7	37
8	Amino Acid-Functionalized Two-Dimensional Hollow Cobalt Sulfide Nanoleaves for the Highly Selective Enrichment of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , 2020, 92, 2151-2158.	6.5	37
9	Chip-based nanovials for tryptic digest and capillary electrophoresis. <i>Analytica Chimica Acta</i> , 1999, 401, 11-19.	5.4	36
10	Potato Protein Nanofibrils Produced from a Starch Industry Sidestream. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1058-1067.	6.7	35
11	Capillary electrophoresis method for the simultaneous determination of carbohydrates and proline in honey samples. <i>Microchemical Journal</i> , 2016, 129, 1-4.	4.5	34
12	Structural basis for the formation of soy protein nanofibrils. <i>RSC Advances</i> , 2019, 9, 6310-6319.	3.6	31
13	Determination of fluoroquinolones in bovine milk samples using a pipette-tip SPE step based on multiwalled carbon nanotubes prior to CE separation. <i>Journal of Separation Science</i> , 2014, 37, 158-164.	2.5	26
14	Characterization of exopolysaccharides in marine colloids by capillary electrophoresis with indirect UV detection. <i>Analytica Chimica Acta</i> , 2010, 662, 193-199.	5.4	25
15	Microfluidic Isoelectric Focusing of Amyloid Beta Peptides Followed by Micropillar-Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 10044-10051.	6.5	25
16	Enrichment of glycopeptides using environmentally friendly wood materials. <i>Green Chemistry</i> , 2020, 22, 5666-5676.	9.0	24
17	Fluorosurfactant Self-Assembly at Solid/Liquid Interfaces. <i>Langmuir</i> , 2002, 18, 8085-8095.	3.5	23
18	Analytical survey of tattoo inks – A chemical and legal perspective with focus on sensitizing substances. <i>Contact Dermatitis</i> , 2021, 85, 340-353.	1.4	20

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19	Off-line integration of CE and MALDI-MS using a closedâ€“openâ€“closed microchannel system. <i>Electrophoresis</i> , 2007, 28, 2458-2465.	2.4	19
20	Wall deactivation with fluorosurfactants for capillary electrophoretic analysis of biomolecules. <i>Electrophoresis</i> , 2001, 22, 660-665.	2.4	18
21	Sample preconcentration in open microchannels combined with <sc>MALDI</sc>â€“<sc>MS</sc>. <i>Electrophoresis</i> , 2012, 33, 3343-3350.	2.4	18
22	Membrane protein and peptide sample handling for MS analysis using a structured MALDI target. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 225-232.	3.7	17
23	Fabrication and characterization of a silicon microvalve. <i>Journal of Separation Science</i> , 1992, 4, 13-15.	1.0	14
24	Separation of proteolytic enzymes originating from Antarctic krill ( <i>Euphausia superba</i> ) by capillary electrophoresis. <i>Biomedical Applications</i> , 1998, 705, 231-241.	1.7	14
25	Capillary Electrophoretic Determination of Fluoroquinolones in Bovine Milk Followed by Off-Line MALDI-TOF-MS Analysis. <i>Chromatographia</i> , 2015, 78, 285-290.	1.3	14
26	Capillary electrophoretic separation and fractionation of hydrophobic peptides onto a pre-structured matrix assisted laser desorption/ionization target for mass spectrometric analysis. <i>Journal of Separation Science</i> , 2006, 29, 288-295.	2.5	13
27	Method development for monoâ€“and disaccharides monitoring in cell culture medium by capillary and microchip electrophoresis. <i>Electrophoresis</i> , 2022, 43, 922-929.	2.4	12
28	A screening procedure for the solubilization of chloroplast membrane proteins from the marine green macroalga <i>Ulva lactuca</i> using RPâ€“HPLCâ€“MALDI-MS. <i>International Journal of Biological Macromolecules</i> , 2006, 39, 29-36.	7.5	11
29	Separation and characterization of aggregated species of amyloid-beta peptides. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2357-2366.	3.7	10
30	Capillary electrophoretic and mass spectrometric analysis of a polydisperse fluorosurfactant. <i>Journal of Separation Science</i> , 2005, 28, 239-244.	2.5	8
31	CE Determination of Monosaccharides in Pulp Using Indirect Detection and Curve-Fitting. <i>Chromatographia</i> , 2008, 67, 151-155.	1.3	8
32	Electrospray ionization mass spectrometry from discrete nanoliterâ€“sized sample volumes. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2561-2568.	1.5	8
33	Chromiumâ€“protein complexation studies by adsorptive cathodic stripping voltammetry and MALDI-TOFâ€“MS. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 349-358.	2.9	8
34	Applicability of a magnetic bucky gel for microextraction of mercury from complicated matrices followed by cold vapor atomic absorption spectroscopy. <i>Separation Science and Technology</i> , 2020, 55, 1505-1514.	2.5	8
35	Evaluation of 2,6-dihydroxyacetophenone as matrix-assisted laser desorption/ionization matrix for analysis of hydrophobic proteins and peptides. <i>Analytical Biochemistry</i> , 2012, 425, 18-20.	2.4	6
36	An automated system for CE-MALDI and on-target digestion under a fluorocarbon lid applied on spermatophore proteins from <i>Pieris napi</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1104, 228-233.	2.3	6

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37	An antibody-free sample pretreatment method for osteopontin combined with MALDI-TOF MS/MS analysis. PLoS ONE, 2019, 14, e0213405.	2.5	5
38	Analysis of amino acids in cell culture supernatant using capillary electrophoresis with contactless conductivity detection. Electrophoresis, 2021, 42, 1924-1927.	2.4	5
39	Knowing more from less: miniaturization of ligand-binding assays and electrophoresis as new paradigms for at-line monitoring and control of mammalian cell bioprocesses. Current Opinion in Biotechnology, 2021, 71, 55-64.	6.6	5
40	Synthesis and Analysis of Chemical Components in Nanoscale. , 2000, , 447-454.		5
41	Grass-like plants release general volatile cues attractive for gravid Anopheles gambiae sensu stricto mosquitoes. Parasites and Vectors, 2021, 14, 552.	2.5	5
42	Capillary and microchip electrophoresis method development for amino acid monitoring during biopharmaceutical cultivation. Biotechnology Journal, 2022, 17, e2100325.	3.5	5
43	Electrospray ionization from an adjustable gap between two silicon chips. Journal of Mass Spectrometry, 2009, 44, 171-181.	1.6	4
44	Computer simulations of sample preconcentration in carrier-free systems and isoelectric focusing in microchannels using simple ampholytes. Electrophoresis, 2015, 36, 2386-2395.	2.4	4
45	Simple and Environmentally Friendly Fabrication of Superhydrophobic Alkyl Ketene Dimer Coated MALDI Concentration Plates. Journal of the American Society for Mass Spectrometry, 2017, 28, 1733-1736.	2.8	4
46	Analysis of butterfly reproductive proteins using capillary electrophoresis and mass spectrometry. Analytical Biochemistry, 2019, 566, 23-26.	2.4	4
47	Capillary electrophoresis separation and matrix-assisted laser desorption/ionization mass spectrometry characterization of bovine serum albumin-fluorescein isothiocyanate conjugates. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 1125-1134.	2.3	3
48	SpheriCal <sup>®</sup> -CEESI: A dendrimer-based nine-point calibration solution ranging from m/z 273 to 1716 for electrospray ionization mass spectrometry peptide analysis. Rapid Communications in Mass Spectrometry, 2021, 35, e9035.	1.5	3
49	Chemical Diversity between Three Graminoid Plants Found in Western Kenya Analyzed by Headspace Solid-Phase Microextraction Gas Chromatography-Mass Spectrometry (HS-SPME-GC-MS). Plants, 2021, 10, 2423.	3.5	3
50	Implementation of a ultraviolet area imaging detector for analysis of polyvinyl alcohol microbubbles by capillary electrophoresis. Journal of Chromatography A, 2020, 1619, 460899.	3.7	2
51	Mass spectrometric analysis of nanoscale sample volumes extracted from open microchannels after sample preconcentration applied on amyloid beta peptides. Analytical and Bioanalytical Chemistry, 2014, 406, 3521-3524.	3.7	1
52	CE analysis of single wood cells performing hydrolysis and preconcentration in open microchannels. Electrophoresis, 2014, 35, 450-457.	2.4	1
53	Analysis of polyvinyl alcohol microbubbles in human blood plasma using capillary electrophoresis. Journal of Separation Science, 2016, 39, 1551-1558.	2.5	1