

Dan Bylund

List of Publications by Year in descending order

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39
papers

1,197
citations

361413

20
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatographic alignment by warping and dynamic programming as a pre-processing tool for PARAFAC modelling of liquid chromatography–mass spectrometry data. <i>Journal of Chromatography A</i> , 2002, 961, 237-244.	3.7	202
2	Matched filtering with background suppression for improved quality of base peak chromatograms and mass spectra in liquid chromatography–mass spectrometry. <i>Analytica Chimica Acta</i> , 2002, 454, 167-184.	5.4	83
3	Analysis of low molecular mass organic acids in natural waters by ion exclusion chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1176, 89-93.	3.7	78
4	Quantification of Hydroxamate Siderophores in Soil Solutions of Podzolic Soil Profiles in Sweden. <i>BioMetals</i> , 2006, 19, 269-282.	4.1	67
5	Analysis of phosphatidylcholine and sphingomyelin molecular species from brain extracts using capillary liquid chromatography electrospray ionization mass spectrometry. <i>Journal of Neuroscience Methods</i> , 2003, 128, 111-119.	2.5	61
6	Siderophore Production by <i>Pseudomonas stutzeri</i> under Aerobic and Anaerobic Conditions. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5857-5864.	3.1	58
7	A chemometric study of active parameters and their interaction effects in a nebulized sheath-liquid electrospray interface for capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2004, 25, 2100-2107.	2.4	41
8	Miniaturized on-line proteolysis–capillary liquid chromatography–mass spectrometry for peptide mapping of lactate dehydrogenase. <i>Journal of Chromatography A</i> , 2003, 998, 83-91.	3.7	40
9	A Method for Determination of Ion Distribution within Electro sprayed Droplets. <i>Analytical Chemistry</i> , 2001, 73, 23-28.	6.5	39
10	Liquid extraction of low molecular mass organic acids and hydroxamate siderophores from boreal forest soil. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2417-2422.	8.8	35
11	An automatic peak finding method for LC–MS data using Gaussian second derivative filtering. <i>Journal of Separation Science</i> , 2009, 32, 3906-3918.	2.5	33
12	The influence of alkaline and non-alkaline parent material on soil chemistry. <i>Geoderma</i> , 2006, 135, 97-106.	5.1	31
13	Metal Ion Coordination, Conditional Stability Constants, and Solution Behavior of Chelating Surfactant Metal Complexes. <i>Langmuir</i> , 2014, 30, 4605-4612.	3.5	29
14	Peak purity assessment in liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 915, 43-52.	3.7	25
15	An objective comparison of pre-processing methods for enhancement of liquid chromatography–mass spectrometry data. <i>Journal of Chromatography A</i> , 2007, 1172, 135-150.	3.7	25
16	Initial effects of wood ash application to soil and soil solution chemistry in a small, boreal catchment. <i>Geoderma</i> , 2012, 187-188, 85-93.	5.1	25
17	Ectomycorrhizal exudates and pre-exposure to elevated CO ₂ affects soil bacterial growth and community structure. <i>Fungal Ecology</i> , 2016, 20, 211-224.	1.6	24
18	Direct analysis of free amino acids by mixed-mode chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 1482-1492.	2.5	24

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19	The effects of carbon sources and micronutrients in fermented whey on the biodegradation of n-hexadecane in diesel fuel contaminated soil. <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 334-341.	3.9	21
20	Soil solution and stream water chemistry in a forested catchment I: Dynamics. <i>Geoderma</i> , 2008, 144, 256-270.	5.1	21
21	Multi-parameter investigation of tandem mass spectrometry in a linear ion trap using response surface modelling. <i>Journal of Mass Spectrometry</i> , 2005, 40, 317-324.	1.6	20
22	A generic stepwise optimization strategy for liquid chromatography electrospray ionization tandem mass spectrometry methods. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1334-1345.	1.6	20
23	Relating chromatographic retention and electrophoretic mobility to the ion distribution within electrosprayed droplets. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 318-324.	2.8	19
24	Soil solution and stream water chemistry in a forested catchment II: Influence of organic matter. <i>Geoderma</i> , 2008, 144, 271-278.	5.1	19
25	Optimization strategy for liquid chromatography-electrospray ionization mass spectrometry methods. <i>Analyst</i> , 2000, 125, 1970-1976.	3.5	18
26	Factors influencing the determination of analyte ion surface partitioning coefficients in electrosprayed droplets. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 1002-1010.	2.8	18
27	Determination of conditional stability constants for some divalent transition metal ion-EDTA complexes by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 550-556.	1.6	18
28	Combined use of algorithms for peak picking, peak tracking and retention modelling to optimize the chromatographic conditions for liquid chromatography-mass spectrometry analysis of flucinolone acetonide and its degradation products. <i>Analytica Chimica Acta</i> , 2011, 704, 180-188.	5.4	12
29	Nitrogen and Carbon Dynamics and the Role of Enchytraeid Worms in Decomposition of L, F and H Layers of Boreal Mor. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3701-3719.	2.4	12
30	Liquid Chromatography with Electrospray Ionization and Tandem Mass Spectrometry Applied in the Quantitative Analysis of Chitin-Derived Glucosamine for a Rapid Estimation of Fungal Biomass in Soil. <i>International Journal of Analytical Chemistry</i> , 2016, 2016, 1-8.	1.0	12
31	The influence of alkaline and non-alkaline parent material on Norway spruce tree chemical composition and growth rate. <i>Plant and Soil</i> , 2013, 370, 103-113.	3.7	11
32	Classification of lactate dehydrogenase of different origin by liquid chromatography-mass spectrometry and multivariate analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 236-240.	2.8	10
33	Initial Effects of Wood Ash Application on the Stream Water Chemistry in a Boreal Catchment in Central Sweden. <i>Water, Air, and Soil Pollution</i> , 2011, 221, 123-136.	2.4	9
34	Influences of dissolved organic carbon on stream water chemistry in two forested catchments in central Sweden. <i>Biogeochemistry</i> , 2010, 101, 229-241.	3.5	8
35	Screening and identification of aluminium-containing biomolecules by column-switched LC-ICP-MS and LC-ESI-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1397.	3.0	7
36	Evaluation of sampling and sample preparation procedures for the determination of aromatic acids and their distribution in a podzol soil using liquid chromatography-tandem mass spectrometry. <i>Geoderma</i> , 2014, 232-234, 373-380.	5.1	7

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37	Analysis of hydroxamate siderophores in soil solution using liquid chromatography with mass spectrometry and tandem mass spectrometry with on-line sample pre-concentration. <i>Journal of Separation Science</i> , 2015, 38, 3305-3312.	2.5	7
38	A component tracking algorithm for accelerated and improved liquid chromatography-mass spectrometry method development. <i>Journal of Chromatography A</i> , 2010, 1217, 8195-8204.	3.7	5
39	Biofuel ash addition increases ectomycorrhizal fungal exudation in pure culture. <i>Environmental Chemistry</i> , 2018, 15, 481.	1.5	3