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List of Publications by Year
in descending order

Version: 2024-02-01

76 papers	3,218 citations	136740 32 h-index	155451 55 g-index
79 all docs	79 docs citations	79 times ranked	4030 citing authors

#	Article	IF	Citations
1	Transfer of a cyanobacterial neurotoxin within a temperate aquatic ecosystem suggests pathways for human exposure. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9252-9257.	3.3	254
2	Protein Complexes of the Escherichia coli Cell Envelope*. Journal of Biological Chemistry, 2005, 280, 34409-34419.	1.6	183
3	Mass Measurements of Increased Accuracy Resolve Heterogeneous Populations of Intact Ribosomes. Journal of the American Chemical Society, 2006, 128, 11433-11442.	6.6	166
4	Studies of the RNA Degradosome-organizing Domain of the Escherichia coli Ribonuclease RNase E. Journal of Molecular Biology, 2004, 340, 965-979.	2.0	153
5	Heptameric (L12)6/L10 rather than canonical pentameric complexes are found by tandem MS of intact ribosomes from thermophilic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8192-8197.	3.3	134
6	Diatoms: A Novel Source for the Neurotoxin BMAA in Aquatic Environments. PLoS ONE, 2014, 9, e84578.	1.1	121
7	Towards a Resolution of the Stoichiometry of the Fibroblast Growth Factor (FGF)â€“FGF Receptorâ€“Heparin Complex. Journal of Molecular Biology, 2004, 339, 821-834.	2.0	107
8	Native Ion Mobility-Mass Spectrometry Reveals the Formation of Î²-Barrel Shaped Amyloid-Î² Hexamers in a Membrane-Mimicking Environment. Journal of the American Chemical Society, 2019, 141, 10440-10450.	6.6	94
9	Analytical protocol for identification of BMAA and DAB in biological samples. Analyst, The, 2010, 135, 127-132.	1.7	91
10	Multifunctional Coreâ€“Shell Nanoparticles: Discovery of Previously Invisible Biomarkers. Journal of the American Chemical Society, 2011, 133, 19178-19188.	6.6	90
11	Alzheimerâ€™s disease and cigarette smoke components: effects of nicotine, PAHs, and Cd(II), Cr(III), Pb(II), Pb(IV) ions on amyloid-Î² peptide aggregation. Scientific Reports, 2017, 7, 14423.	1.6	81
12	Selective LC-MS/MS method for the identification of BMAA from its isomers in biological samples. Analytical and Bioanalytical Chemistry, 2012, 403, 1719-1730.	1.9	73
13	Quantification of neurotoxin BMAA (Î²-N-methylamino-L-alanine) in seafood from Swedish markets. Scientific Reports, 2014, 4, 6931.	1.6	73
14	Systematic Analysis of Native Membrane Protein Complexes inEscherichia coli. Journal of Proteome Research, 2011, 10, 1848-1859.	1.8	67
15	Quaternary Structure and Catalytic Activity of the Escherichia coli Ribonuclease E Amino-Terminal Catalytic Domain. Biochemistry, 2003, 42, 13848-13855.	1.2	66
16	Drug Binding Revealed by Tandem Mass Spectrometry of a Proteinâˆ’Micelle Complex. Journal of the American Chemical Society, 2004, 126, 14362-14363.	6.6	64
17	Cyanobacteria Produce N-(2-Aminoethyl)Glycine, a Backbone for Peptide Nucleic Acids Which May Have Been the First Genetic Molecules for Life on Earth. PLoS ONE, 2012, 7, e49043.	1.1	61
18	Proteomics of Synechocystis sp. PCCâ€ƒ6803. FEBS Journal, 2007, 274, 791-804.	2.2	59

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19	Identification of proteins from human permanent erupted enamel. European Journal of Oral Sciences, 2015, 123, 390-395.	0.7	57
20	Strategy for quantifying trace levels of BMAA in cyanobacteria by LC/MS/MS. Analytical and Bioanalytical Chemistry, 2013, 405, 1283-1292.	1.9	56
21	Evidence for Micellar Structure in the Gas Phase. Journal of the American Chemical Society, 2007, 129, 8740-8746.	6.6	54
22	The use of hydrogel microparticles to sequester and concentrate bacterial antigens in a urine test for Lyme disease. Biomaterials, 2011, 32, 1157-1166.	5.7	52
23	Amyloid-Î² Peptide Interactions with Amphiphilic Surfactants: Electrostatic and Hydrophobic Effects. ACS Chemical Neuroscience, 2018, 9, 1680-1692.	1.7	51
24	Dissociation of Intact Escherichia coli Ribosomes in a Mass Spectrometer. Journal of Biological Chemistry, 2003, 278, 1259-1267.	1.6	49
25	Multimers of the fibroblast growth factor (FGF)â€“FGF receptorâ€“saccharide complex are formed on long oligomers of heparin. Biochemical Journal, 2006, 393, 741-748.	1.7	48
26	â€œZn-Linkâ€Â A Metal-Sharing Interface that Organizes the Quaternary Structure and Catalytic Site of the Endoribonuclease, RNase Eâ€. Biochemistry, 2005, 44, 4667-4675.	1.2	47
27	Mass spectrometry of intact ribosomes. FEBS Letters, 2005, 579, 943-947.	1.3	47
28	A Collaborative Evaluation of LC-MS/MS Based Methods for BMAA Analysis: Soluble Bound BMAA Found to Be an Important Fraction. Marine Drugs, 2016, 14, 45.	2.2	47
29	Protein association of the neurotoxin and non-protein amino acid BMAA (Î²-N-methylamino-l-alanine) in the liver and brain following neonatal administration in rats. Toxicology Letters, 2014, 226, 1-5.	0.4	44
30	Phospholipid Complexation and Association with Apolipoprotein C-II: Insights from Mass Spectrometry. Biophysical Journal, 2003, 85, 3802-3812.	0.2	40
31	Lightâ€Induced Water Oxidation by a Ru complex Containing a Bioâ€Inspired Ligand. Chemistry - A European Journal, 2011, 17, 7953-7959.	1.7	37
32	Amyloid-Î² oligomers are captured by the DNAJB6 chaperone: Direct detection of interactions that can prevent primary nucleation. Journal of Biological Chemistry, 2020, 295, 8135-8144.	1.6	37
33	Novel sample-substrates for the determination of new psychoactive substances in oral fluid by desorption electrospray ionization-high resolution mass spectrometry. Talanta, 2019, 202, 136-144.	2.9	35
34	The Exosome Associates Cotranscriptionally with the Nascent Pre-mRNP through Interactions with Heterogeneous Nuclear Ribonucleoproteins. Molecular Biology of the Cell, 2009, 20, 3459-3470.	0.9	33
35	Development of parallel reaction monitoring assays for cerebrospinal fluid proteins associated with Alzheimer's disease. Clinica Chimica Acta, 2019, 494, 79-93.	0.5	30
36	Mass Spectrometry of Escherichia coli RNA Polymerase: Interactions of the Core Enzyme with Ïƒ70 and Rsd Protein. Structure, 2004, 12, 269-275.	1.6	28

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37	Abiotic synthesis of amino acids and self-crystallization under prebiotic conditions. Scientific Reports, 2014, 4, 6769.	1.6	28
38	Matrixâ€free thinâ€layer chromatography/laser desorption ionization mass spectrometry for facile separation and identification of medicinal alkaloids. Rapid Communications in Mass Spectrometry, 2009, 23, 3655-3660.	0.7	27
39	Environmental neurotoxin interaction with proteins: Dose-dependent increase of free and protein-associated BMAA (Î²-N-methylamino-L-alanine) in neonatal rat brain. Scientific Reports, 2015, 5, 15570.	1.6	26
40	Host cell-derived lactate functions as an effector molecule in Neisseria meningitidis microcolony dispersal. PLoS Pathogens, 2017, 13, e1006251.	2.1	25
41	Peptide Reactivity of Isothiocyanates â€“ Implications for Skin Allergy. Scientific Reports, 2016, 6, 21203.	1.6	22
42	Î¼-Trap for the SALDI-MS Screening of Organic Compounds Prior to LC/MS Analysis. Analytical Chemistry, 2008, 80, 5515-5523.	3.2	21
43	Monosaccharide compositional analysis of marine polysaccharides by hydrophilic interaction liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 399, 2517-2529.	1.9	20
44	Solid-state NMR investigations of Si-29 and N-15 enriched silicon nitride. Solid State Nuclear Magnetic Resonance, 2009, 36, 11-18.	1.5	19
45	Silicon nitride nanoparticles for surface-assisted laser desorption/ionization of small molecules. Journal of Nanoparticle Research, 2009, 11, 1509-1512.	0.8	19
46	Solvent-Assisted Paper Spray Ionization Mass Spectrometry (SAPSI-MS) for the Analysis of Biomolecules and Biofluids. Scientific Reports, 2019, 9, 10296.	1.6	18
47	A reference map of the membrane proteome of Enterococcus faecalis. Proteomics, 2011, 11, 3935-3941.	1.3	17
48	Discrimination among IgG1-Îº monoclonal antibodies produced by two cell lines using charge state distributions in nanoESI-TOF mass spectra. Journal of the American Society for Mass Spectrometry, 2009, 20, 1030-1036.	1.2	15
49	Specific Adducts Formed through a Radical Reaction between Peptides and Contact Allergenic Hydroperoxides. Chemical Research in Toxicology, 2010, 23, 203-210.	1.7	15
50	The amyloid-inhibiting NCAM-PrP peptide targets AÎ² peptide aggregation in membrane-mimetic environments. IScience, 2021, 24, 102852.	1.9	15
51	Measurements of Atmospheric Proteinaceous Aerosol in the Arctic Using a Selective UHPLC/ESI-MS/MS Strategy. Journal of the American Society for Mass Spectrometry, 2019, 30, 161-173.	1.2	14
52	Gas-Phase Collisions with Trimethylamine-N-Oxide Enable Activation-Controlled Protein Ion Charge Reduction. Journal of the American Society for Mass Spectrometry, 2019, 30, 1385-1388.	1.2	14
53	Nanocomposites as novel surfaces for laser desorption ionizationmass spectrometry. Analytical Methods, 2011, 3, 192-197.	1.3	13
54	MS-Based Analytical Techniques: Advances in Spray-Based Methods and EI-LC-MS Applications. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-24.	0.7	12

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55	Charge Engineering Reveals the Roles of Ionizable Side Chains in Electrospray Ionization Mass Spectrometry. Jacs Au, 2021, 1, 2385-2393.	3.6	12
56	The Fate of a Hapten - From the Skin to Modification of Macrophage Migration Inhibitory Factor (MIF) in Lymph Nodes. Scientific Reports, 2018, 8, 2895.	1.6	11
57	Insufficient evidence for BMAA transfer in the pelagic and benthic food webs in the Baltic Sea. Scientific Reports, 2019, 9, 10406.	1.6	11
58	N-Glycosylation profiling of intact target proteins by high-resolution mass spectrometry (MS) and glycan analysis using ion mobility-MS/MS. Analyst, The, 2020, 145, 1737-1748.	1.7	11
59	Microfluidic Electrocapture-Assisted Mass Spectrometry of Membrane-Associated Polypeptides. Analytical Chemistry, 2008, 80, 7116-7120.	3.2	10
60	Investigation of ultrahighâ€performance liquid chromatography/travellingâ€wave ion mobility/timeâ€ofâ€flight mass spectrometry for fast profiling of fatty acids in the high Arctic sea surface microlayer. Rapid Communications in Mass Spectrometry, 2018, 32, 942-950.	0.7	10
61	Matrixâ€less laser desorption/ionisation mass spectrometry of polyphenols in red wine. Rapid Communications in Mass Spectrometry, 2009, 23, 1834-1840.	0.7	9
62	Improved detection of Î²-N-methylamino-l-alanine using N-hydroxysuccinimide ester of N-butylnicotinic acid for the localization of BMAA in blue mussels (Mytilus edulis). Analytical and Bioanalytical Chemistry, 2015, 407, 3743-3750.	1.9	9
63	Trends in the bioanalytical applications of microfluidic electrocapture. Analytical and Bioanalytical Chemistry, 2011, 399, 191-195.	1.9	8
64	Primordial soup was edible: abiotically produced Miller-Urey mixture supports bacterial growth. Scientific Reports, 2015, 5, 14338.	1.6	8
65	Ion mobility-mass spectrometry shows stepwise protein unfolding under alkaline conditions. Chemical Communications, 2021, 57, 1450-1453.	2.2	8
66	Advances in MS-Based Analytical Methods: Innovations and Future Trends. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-2.	0.7	7
67	Structural Basis for Dityrosine-Mediated Inhibition of Î±-Synuclein Fibrillization. Journal of the American Chemical Society, 2022, 144, 11949-11954.	6.6	6
68	Soy protein supplement intake for 12 months has no effect on sexual maturation and may improve nutritional status in preâ€pubertal children. Journal of Paediatrics and Child Health, 2018, 54, 997-1004.	0.4	5
69	Chiral analysis of Î²-methylamino alanine (BMAA) enantiomers after (+)-1-(9-fluorenyl)-ethyl chloroformate (FLEC) derivatization and LC-MS/MS. Analytical Methods, 2019, 11, 432-442.	1.3	5
70	A â€œspindle and threadâ€•mechanism unblocks p53 translation by modulating N-terminal disorder. Structure, 2022, 30, 733-742.e7.	1.6	5
71	Porcine P2 myelin protein primary structure and bound fatty acids determined by mass spectrometry. Analytical and Bioanalytical Chemistry, 2010, 397, 1903-1910.	1.9	4
72	Anti-aphrodisiac pheromone, a renewable signal in adult butterflies. Scientific Reports, 2019, 9, 14262.	1.6	4

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73	Antibiotic-Efficient Genetic Cassette for the TEM-1 Î²-Lactamase That Improves Plasmid Performance. ACS Synthetic Biology, 2022, 11, 241-253.	1.9	4
74	Detection of Benzo[a]pyrene Diol Epoxide Adducts to Histidine and Lysine in Serum Albumin In Vivo by High-Resolution-Tandem Mass Spectrometry. Toxics, 2022, 10, 27.	1.6	2
75	Characterization of Functional Protein Complexes. , 2006, , 157-169.		0
76	Biomolecular Mass Spectrometry: Applications to Proteins and Peptides. , 2009, , 55-73.		0