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List of Publications by Year in descending order

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76
papers

3,218
citations

136740

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155451

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79
all docs

79
docs citations

79
times ranked

4030
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic-Efficient Genetic Cassette for the TEM-1 β -Lactamase That Improves Plasmid Performance. ACS Synthetic Biology, 2022, 11, 241-253.	1.9	4
2	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
3	A β -spindle and thread β -mechanism unblocks p53 translation by modulating N-terminal disorder. Structure, 2022, 30, 733-742.e7.	1.6	5
4	Structural Basis for Dityrosine-Mediated Inhibition of α -Synuclein Fibrillization. Journal of the American Chemical Society, 2022, 144, 11949-11954.	6.6	6
5	The amyloid-inhibiting NCAM-PrP peptide targets $A\beta$ peptide aggregation in membrane-mimetic environments. IScience, 2021, 24, 102852.	1.9	15
6	Ion mobility-mass spectrometry shows stepwise protein unfolding under alkaline conditions. Chemical Communications, 2021, 57, 1450-1453.	2.2	8
7	Charge Engineering Reveals the Roles of Ionizable Side Chains in Electrospray Ionization Mass Spectrometry. JACS Au, 2021, 1, 2385-2393.	3.6	12
8	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
9	Amyloid- β 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
10	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
11	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
12	Insufficient evidence for BMAA transfer in the pelagic and benthic food webs in the Baltic Sea. Scientific Reports, 2019, 9, 10406.	1.6	11
13	Solvent-Assisted Paper Spray Ionization Mass Spectrometry (SAPSI-MS) for the Analysis of Biomolecules and Biofluids. Scientific Reports, 2019, 9, 10296.	1.6	18
14	Anti-aphrodisiac pheromone, a renewable signal in adult butterflies. Scientific Reports, 2019, 9, 14262.	1.6	4
15	Chiral analysis of β -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
16	Native Ion Mobility-Mass Spectrometry Reveals the Formation of β -Barrel Shaped Amyloid- β Hexamers in a Membrane-Mimicking Environment. Journal of the American Chemical Society, 2019, 141, 10440-10450.	6.6	94
17	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
18	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

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19	Amyloid- β Peptide Interactions with Amphiphilic Surfactants: Electrostatic and Hydrophobic Effects. ACS Chemical Neuroscience, 2018, 9, 1680-1692.	1.7	51
20	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
21	Investigation of ultrahigh-performance liquid chromatography/travelling-wave ion mobility/time-of-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
22	Advances in MS-Based Analytical Methods: Innovations and Future Trends. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-2.	0.7	7
23	Soy protein supplement intake for 12 months has no effect on sexual maturation and may improve nutritional status in pre-pubertal children. Journal of Paediatrics and Child Health, 2018, 54, 997-1004.	0.4	5
24	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
25	Alzheimer's disease and cigarette smoke components: effects of nicotine, PAHs, and Cd(II), Cr(III), Pb(II), Pb(IV) ions on amyloid- β peptide aggregation. Scientific Reports, 2017, 7, 14423.	1.6	81
26	Host cell-derived lactate functions as an effector molecule in Neisseria meningitidis microcolony dispersal. PLoS Pathogens, 2017, 13, e1006251.	2.1	25
27	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
28	Peptide Reactivity of Isothiocyanates – Implications for Skin Allergy. Scientific Reports, 2016, 6, 21203.	1.6	22
29	Primordial soup was edible: abiotically produced Miller-Urey mixture supports bacterial growth. Scientific Reports, 2015, 5, 14338.	1.6	8
30	Environmental neurotoxin interaction with proteins: Dose-dependent increase of free and protein-associated BMAA (β -N-methylamino-L-alanine) in neonatal rat brain. Scientific Reports, 2015, 5, 15570.	1.6	26
31	Identification of proteins from human permanent erupted enamel. European Journal of Oral Sciences, 2015, 123, 390-395.	0.7	57
32	Improved detection of β -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
33	Protein association of the neurotoxin and non-protein amino acid BMAA (β -N-methylamino-L-alanine) in the liver and brain following neonatal administration in rats. Toxicology Letters, 2014, 226, 1-5.	0.4	44
34	Quantification of neurotoxin BMAA (β -N-methylamino-L-alanine) in seafood from Swedish markets. Scientific Reports, 2014, 4, 6931.	1.6	73
35	Abiotic synthesis of amino acids and self-crystallization under prebiotic conditions. Scientific Reports, 2014, 4, 6769.	1.6	28
36	Diatoms: A Novel Source for the Neurotoxin BMAA in Aquatic Environments. PLoS ONE, 2014, 9, e84578.	1.1	121

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37	Strategy for quantifying trace levels of BMAA in cyanobacteria by LC/MS/MS. Analytical and Bioanalytical Chemistry, 2013, 405, 1283-1292.	1.9	56
38	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
39	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
40	Systematic Analysis of Native Membrane Protein Complexes in <i>Escherichia coli</i> . Journal of Proteome Research, 2011, 10, 1848-1859.	1.8	67
41	Multifunctional Core-Shell Nanoparticles: Discovery of Previously Invisible Biomarkers. Journal of the American Chemical Society, 2011, 133, 19178-19188.	6.6	90
42	Nanocomposites as novel surfaces for laser desorption ionization mass spectrometry. Analytical Methods, 2011, 3, 192-197.	1.3	13
43	Trends in the bioanalytical applications of microfluidic electrocapture. Analytical and Bioanalytical Chemistry, 2011, 399, 191-195.	1.9	8
44	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
45	A reference map of the membrane proteome of <i>Enterococcus faecalis</i> . Proteomics, 2011, 11, 3935-3941.	1.3	17
46	Light-Induced Water Oxidation by a Ru complex Containing a Bio-Inspired Ligand. Chemistry - A European Journal, 2011, 17, 7953-7959.	1.7	37
47	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
48	Specific Adducts Formed through a Radical Reaction between Peptides and Contact Allergenic Hydroperoxides. Chemical Research in Toxicology, 2010, 23, 203-210.	1.7	15
49	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
50	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
51	Analytical protocol for identification of BMAA and DAB in biological samples. Analyst, The, 2010, 135, 127-132.	1.7	91
52	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
53	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
54	Discrimination among IgG1- \hat{I}° 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

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55	Silicon nitride nanoparticles for surface-assisted laser desorption/ionization of small molecules. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1509-1512.	0.8	19
56	Matrix-free laser desorption/ionisation mass spectrometry of polyphenols in red wine. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1834-1840.	0.7	9
57	Matrix-free thin-layer chromatography/laser desorption ionization mass spectrometry for facile separation and identification of medicinal alkaloids. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3655-3660.	0.7	27
58	<i>Biomolecular Mass Spectrometry: Applications to Proteins and Peptides.</i> , 2009, , 55-73.		0
59	1/4-Trap for the SALDI-MS Screening of Organic Compounds Prior to LC/MS Analysis. <i>Analytical Chemistry</i> , 2008, 80, 5515-5523.	3.2	21
60	Microfluidic Electrocapture-Assisted Mass Spectrometry of Membrane-Associated Polypeptides. <i>Analytical Chemistry</i> , 2008, 80, 7116-7120.	3.2	10
61	Proteomics of <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , 2007, 274, 791-804.	2.2	59
62	Evidence for Micellar Structure in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2007, 129, 8740-8746.	6.6	54
63	Mass Measurements of Increased Accuracy Resolve Heterogeneous Populations of Intact Ribosomes. <i>Journal of the American Chemical Society</i> , 2006, 128, 11433-11442.	6.6	166
64	<i>Characterization of Functional Protein Complexes.</i> , 2006, , 157-169.		0
65	Multimers of the fibroblast growth factor (FGF) FGF receptor saccharide complex are formed on long oligomers of heparin. <i>Biochemical Journal</i> , 2006, 393, 741-748.	1.7	48
66	Protein Complexes of the <i>Escherichia coli</i> Cell Envelope*. <i>Journal of Biological Chemistry</i> , 2005, 280, 34409-34419.	1.6	183
67	Heptameric (L12)6/L10 rather than canonical pentameric complexes are found by tandem MS of intact ribosomes from thermophilic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8192-8197.	3.3	134
68	Zn-Link A Metal-Sharing Interface that Organizes the Quaternary Structure and Catalytic Site of the Endoribonuclease, RNase E. <i>Biochemistry</i> , 2005, 44, 4667-4675.	1.2	47
69	Mass spectrometry of intact ribosomes. <i>FEBS Letters</i> , 2005, 579, 943-947.	1.3	47
70	Mass Spectrometry of <i>Escherichia coli</i> RNA Polymerase: Interactions of the Core Enzyme with Rsd Protein. <i>Structure</i> , 2004, 12, 269-275.	1.6	28
71	Drug Binding Revealed by Tandem Mass Spectrometry of a Protein Micelle Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 14362-14363.	6.6	64
72	Towards a Resolution of the Stoichiometry of the Fibroblast Growth Factor (FGF) FGF Receptor Heparin Complex. <i>Journal of Molecular Biology</i> , 2004, 339, 821-834.	2.0	107

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73	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
74	Quaternary Structure and Catalytic Activity of the Escherichia coli Ribonuclease E Amino-Terminal Catalytic Domain. Biochemistry, 2003, 42, 13848-13855.	1.2	66
75	Phospholipid Complexation and Association with Apolipoprotein C-II: Insights from Mass Spectrometry. Biophysical Journal, 2003, 85, 3802-3812.	0.2	40
76	Dissociation of Intact Escherichia coli Ribosomes in a Mass Spectrometer. Journal of Biological Chemistry, 2003, 278, 1259-1267.	1.6	49