

GÃ¼nter Allmaier

List of Publications by Year in descending order

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162
papers

4,503
citations

136950

32
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133252

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164
all docs

164
docs citations

164
times ranked

4910
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable Synthesis of Quinolines and Pyrimidines Catalyzed by Manganese PNP Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 15543-15546.	13.7	300
2	Divergent Coupling of Alcohols and Amines Catalyzed by Isoelectronic Hydride Mn ^I and Fe ^{II} PNP Pincer Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 12316-12320.	3.3	212
3	Charge-reduced nano electrospray ionization combined with differential mobility analysis of peptides, proteins, glycoproteins, noncovalent protein complexes and viruses. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1038-1052.	1.6	202
4	Transferrin binding and transferrin-mediated cellular uptake of the ruthenium coordination compound KP1019, studied by means of AAS, ESI-MS and CD spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 46.	3.0	183
5	Manganese-Catalyzed Aminomethylation of Aromatic Compounds with Methanol as a Sustainable C1 Building Block. <i>Journal of the American Chemical Society</i> , 2017, 139, 8812-8815.	13.7	177
6	Co(II) PCP Pincer Complexes as Catalysts for the Alkylation of Aromatic Amines with Primary Alcohols. <i>Organic Letters</i> , 2016, 18, 3462-3465.	4.6	161
7	Efficient Hydrogenation of Ketones and Aldehydes Catalyzed by Well-Defined Iron(II) PNP Pincer Complexes: Evidence for an Insertion Mechanism. <i>Organometallics</i> , 2014, 33, 6905-6914.	2.3	119
8	The renaissance of high-energy CID for structural elucidation of complex lipids: MALDI-TOF/RTOF-MS of alkali cationized triacylglycerols. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1037-1047.	2.8	93
9	Determination of glycopeptide structures by multistage mass spectrometry with low-energy collision-induced dissociation: comparison of electrospray ionization quadrupole ion trap and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron time-of-flight approaches. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1575-1582.	1.5	89
10	Air Stable Iron(II) PNP Pincer Complexes as Efficient Catalysts for the Selective Alkylation of Amines with Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3824-3831.	4.3	89
11	Comparative method evaluation for size and size distribution analysis of gold nanoparticles. <i>Journal of Separation Science</i> , 2013, 36, 2952-2961.	2.5	87
12	Identification and characterization of organic nanoparticles in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 100-112.	11.4	84
13	Determination of Molecular Weight, Particle Size, and Density of High Number Generation PAMAM Dendrimers Using MALDI-TOF-MS and nESI-GEMMA. <i>Macromolecules</i> , 2007, 40, 5599-5605.	4.8	81
14	Evaluation of matrix-assisted laser desorption/ionization (MALDI) preparation techniques for surface characterization of intact <i>Fusarium</i> spores by MALDI linear time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 877-884.	1.5	75
15	Biological Variation of the Platelet Proteome in the Elderly Population and Its Implication for Biomarker Research. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 193-203.	3.8	71
16	Thermo-oxidative stability and corrosion properties of ammonium based ionic liquids. <i>Tribology International</i> , 2012, 46, 73-83.	5.9	69
17	Corrosion properties of ammonium based ionic liquids evaluated by SEM-EDX, XPS and ICP-OES. <i>Green Chemistry</i> , 2011, 13, 2869.	9.0	66
18	Nanoscale chemical imaging of individual chemotherapeutic cytarabine-loaded liposomal nanocarriers. <i>Nano Research</i> , 2019, 12, 197-203.	10.4	65

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19	Nano ES GEMMA and PDMA, new tools for the analysis of nanobioparticlesâ€”Protein complexes, lipoparticles, and viruses. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1062-1068.	2.8	61
20	Characterisation of intact recombinant human erythropoietins applied in doping by means of planar gel electrophoretic techniques and matrix-assisted laser desorption/ionisation linear time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 728-742.	1.5	52
21	Characterization of cysteinylated pharmaceutical-grade human serum albumin by electrospray ionization mass spectrometry and low-energy collision-induced dissociation tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2965-2973.	1.5	51
22	Development of a MALDI two-layer volume sample preparation technique for analysis of colored conidia spores of <i>Fusarium</i> by MALDI linear TOF mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1373-1383.	3.7	51
23	Characterization of N- and O-glycopeptides of recombinant human erythropoietins as potential biomarkers for doping analysis by means of microscale sample purification combined with MALDI-TOF and quadrupole IT/TOF mass spectrometry. <i>Journal of Separation Science</i> , 2005, 28, 1764-1778.	2.5	50
24	Synthesis and Reactivity of Four- and Five-Coordinate Low-Spin Cobalt(II) PCP Pincer Complexes and Some Nickel(II) Analogues. <i>Organometallics</i> , 2014, 33, 6132-6140.	2.3	44
25	Comparison of CID spectra of singly charged polypeptide antibiotic precursor ions obtained by positive-ion vacuum MALDI IT/TOF and TOF/TOF, AP-MALDI-IT and ESI-IT mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006, 41, 421-447.	1.6	43
26	Analysis of human plasma lipids and soybean lecithin by means of high-performance thin-layer chromatography and matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2711-2723.	1.5	41
27	Gas-Phase Electrophoretic Molecular Mobility Analysis of Size and Stoichiometry of Complexes of a Common Cold Virus with Antibody and Soluble Receptor Molecules. <i>Analytical Chemistry</i> , 2008, 80, 2261-2264.	6.5	40
28	MALDI Seamless Postsource Decay Fragment Ion Analysis of Sodiated and Lithiated Phospholipids. <i>Analytical Chemistry</i> , 2008, 80, 1664-1678.	6.5	38
29	Analysis of a Common Cold Virus and Its Subviral Particles by Gas-Phase Electrophoretic Mobility Molecular Analysis and Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8709-8717.	6.5	37
30	Production of reference materials for the detection and size determination of silica nanoparticles in tomato soup. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3895-907.	3.7	36
31	Characterisation of castor oil by on-line and off-line non-aqueous reverse-phase high-performance liquid chromatography-mass spectrometry (APCI and UV/MALDI). <i>Phytochemical Analysis</i> , 2003, 14, 337-346.	2.4	35
32	A new approach in proteomics of wheat gluten: combining chymotrypsin cleavage and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2725-2728.	1.5	35
33	Instrumental Parameters in the MALDI-TOF Mass Spectrometric Analysis of Quaternary Protein Structures. <i>Analytical Chemistry</i> , 2005, 77, 103-110.	6.5	34
34	Three Different Reactions, One Catalyst: A Cu(I) PNP Pincer Complex as Catalyst for C-C and C-N Cross-Couplings. <i>Organic Letters</i> , 2017, 19, 2178-2181.	4.6	34
35	Structural analysis of <i>Bacillus megaterium</i> KM spore peptidoglycan and its dynamics during germination. <i>Microbiology (United Kingdom)</i> , 1999, 145, 1033-1041.	1.8	34
36	K ₄ [Fe(CN) ₆]/Glycerolâ€”A New Liquid Matrix System for Matrix-assisted Laser Desorption/Ionization Mass Spectrometry of Hydrophobic Compounds. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1278-1282.	1.5	33

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37	Feasibility of the development of reference materials for the detection of Ag nanoparticles in food: neat dispersions and spiked chicken meat. <i>Accreditation and Quality Assurance</i> , 2015, 20, 3-16.	0.8	33
38	Support effect on the reactivity and stability of Au ₂₅ (SR) ₁₈ and Au ₁₄₄ (SR) ₆₀ nanoclusters in liquid phase cyclohexane oxidation. <i>Catalysis Today</i> , 2019, 336, 174-185.	4.4	33
39	Characterization of the bga1-encoded glycoside hydrolase family 35- α -D-galactosidase of <i>Hypocrea jecorina</i> with galacto-1,2-d-galactanase activity. <i>FEBS Journal</i> , 2007, 274, 1691-1700.	4.7	31
40	Sizing up large protein complexes by electrospray ionisation-based electrophoretic mobility and native mass spectrometry: morphology selective binding of Fabs to hepatitis B virus capsids. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1437-1446.	3.7	30
41	Optimization of MALDI-TOF mass spectrometry imaging for the visualization and comparison of peptide distributions in dry-cured ham muscle fibers. <i>Food Chemistry</i> , 2019, 283, 275-286.	8.2	30
42	Comparison of engine oil degradation observed in laboratory alteration and in the engine by chemometric data evaluation. <i>Tribology International</i> , 2013, 65, 37-47.	5.9	28
43	Virus-like particle size and molecular weight/mass determination applying gas-phase electrophoresis (native nES GEMMA). <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5951-5962.	3.7	28
44	Structural characterization of the cyanelle peptidoglycan of <i>Cyanophora paradoxa</i> by 252Cf plasma desorption mass spectrometry and fast atom bombardment/tandem mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993, 22, 524-536.	0.5	27
45	Investigation of sample preparation and instrumental parameters in the matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of noncovalent peptide/peptide complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1931-1940.	1.5	27
46	Molecular mass determination of plasma-derived glycoproteins by ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with internal calibration. <i>Journal of Mass Spectrometry</i> , 2002, 37, 1118-1130.	1.6	26
47	Comparison of various nano-differential mobility analysers (nDMAs) applying globular proteins. <i>Journal of Experimental Nanoscience</i> , 2007, 2, 291-301.	2.4	26
48	Analysis and handling of bio-nanoparticles and environmental nanoparticles using electrostatic aerosol mobility. <i>Particuology</i> , 2013, 11, 14-19.	3.6	25
49	Ultrahigh-performance liquid chromatography/electrospray ionization linear ion trap Orbitrap mass spectrometry of antioxidants (amines and phenols) applied in lubricant engineering. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 63-76.	1.5	25
50	Negative and positive ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and positive ion nano-electrospray ionization quadrupole ion trap mass spectrometry of peptidoglycan fragments isolated from various <i>Bacillus</i> species. <i>Journal of Mass Spectrometry</i> , 2001, 36, 124-139.	1.6	24
51	MALDI linear TOF mass spectrometry of PEGylated (glyco)proteins. <i>Journal of Mass Spectrometry</i> , 2010, 45, 612-617.	1.6	24
52	Comparison of different tandem mass spectrometric techniques (ESI-IT, ESI-MS and IP-ESI-MALDI-QTOF and) Tj ETQq0 0 0 rgBT /Overl sativus</i> L.. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 670-678.	1.5	24
53	MALDI mass spectrometry of biomolecules and synthetic polymers using alkali hexacyanoferrate (II) complexes and glycerol as matrix. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 169-170, 99-109.	1.8	23
54	Characterization of antithrombin III from human plasma by two-dimensional gel electrophoresis and capillary electrophoretic methods. <i>Electrophoresis</i> , 2003, 24, 4282-4290.	2.4	23

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55	Selective solid-phase isolation of methionine-containing peptides and subsequent matrix-assisted laser desorption/ionisation mass spectrometric detection of methionine- and of methionine-sulfoxide-containing peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1815-1824.	1.5	23
56	Isolation of esterified fatty acids bound to serum albumin purified from human plasma and characterised by MALDI mass spectrometry. <i>Biologicals</i> , 2007, 35, 43-49.	1.4	23
57	Rapid detection of apoptosis in mammalian cells by using intact cell MALDI mass spectrometry. <i>Analyst</i> , 2011, 136, 5181.	3.5	23
58	Characterization of rhinovirus subviral particles via capillary electrophoresis, electron microscopy and gas-phase electrophoretic mobility molecular analysis: Part I. <i>Electrophoresis</i> , 2012, 33, 1833-1841.	2.4	23
59	Characterization of moenomycin antibiotic complex by multistage MALDI-IT/TOF-MS and ESI-IT-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1081-1090.	2.8	21
60	MALDI-based intact spore mass spectrometry of downy and powdery mildews. <i>Journal of Mass Spectrometry</i> , 2012, 47, 978-986.	1.6	21
61	Comparative Analysis of Platelet-Derived Extracellular Vesicles Using Flow Cytometry and Nanoparticle Tracking Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3839.	4.1	21
62	Ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of intact hemoglobin complex from whole human blood. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1932-1938.	1.5	20
63	Molecular weight determination of ultra-high mass compounds on a standard matrix-assisted laser desorption/ionization time-of-flight mass spectrometer: PAMAM dendrimer generation 10 and immunoglobulin M. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3803-3806.	1.5	20
64	GEMMA and MALDI-TOF MS of reactive PEGs for pharmaceutical applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 432-437.	2.8	20
65	Combining light microscopy, dielectric spectroscopy, MALDI intact cell mass spectrometry, FTIR spectromicroscopy and multivariate data mining for morphological and physiological bioprocess characterization of filamentous organisms. <i>Fungal Genetics and Biology</i> , 2013, 51, 1-11.	2.1	19
66	Combining gas-phase electrophoretic mobility molecular analysis (GEMMA), light scattering, field flow fractionation and cryo electron microscopy in a multidimensional approach to characterize liposomal carrier vesicles. <i>International Journal of Pharmaceutics</i> , 2016, 513, 309-318.	5.2	19
67	Ligand engineering of immobilized nanoclusters on surfaces: ligand exchange reactions with supported Au ₁₁ (PPh ₃) ₇ Br ₃ . <i>Nanoscale</i> , 2020, 12, 12809-12816.	5.6	19
68	One-way hydrophobic surface foil for UV matrix-assisted laser desorption/ionization mass spectrometry of peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 899-902.	1.5	18
69	Comprehensive Size-Determination of Whole Virus Vaccine Particles Using Gas-Phase Electrophoretic Mobility Macromolecular Analyzer, Atomic Force Microscopy, and Transmission Electron Microscopy. <i>Analytical Chemistry</i> , 2015, 87, 8657-8664.	6.5	18
70	Time-delayed extraction matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of polyacrylonitrile and other synthetic polymers with the matrix 4-hydroxybenzylidene malononitrile. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1344-1350.	1.5	17
71	Electrospray ionization and atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry of antioxidants applied in lubricants. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3917-3927.	1.5	17
72	Identification of proteins interacting with ammodytoxins in <i>Vipera ammodytes</i> ammodytes venom by immuno-affinity chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 293-304.	3.7	17

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73	Characterization of crossâ€linked gelatin nanoparticles by electrophoretic techniques in the liquid and the gas phase. <i>Electrophoresis</i> , 2013, 34, 3267-3276.	2.4	16
74	Challenges of glycoprotein analysis by microchip capillary gel electrophoresis. <i>Electrophoresis</i> , 2015, 36, 1754-1758.	2.4	16
75	Shear-Dependent Interactions of von Willebrand Factor with Factor VIII and Protease ADAMTS 13 Demonstrated at a Single Molecule Level by Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2015, 87, 10299-10305.	6.5	16
76	Mass spectrometric evidence of covalently-bound tetrahydrolipstatin at the catalytic serine of <i>Streptomyces rimosus</i> lipase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 163-170.	2.4	15
77	Mixed volume sample preparation method for intact cell mass spectrometry of <i>Fusarium</i> spores. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1622-1624.	1.6	15
78	A fluorescent derivatization method of proteins for the detection of lowâ€level impurities by microchip capillary gel electrophoresis. <i>Electrophoresis</i> , 2010, 31, 611-617.	2.4	15
79	Nano electrospray gas-phase electrophoretic mobility molecular analysis (nES GEMMA) of liposomes: applicability of the technique for nano vesicle batch control. <i>Analyst, The</i> , 2016, 141, 6042-6050.	3.5	15
80	N-terminal VP1 Truncations Favor T = 1 Norovirus-Like Particles. <i>Vaccines</i> , 2021, 9, 8.	4.4	15
81	Characterization of braunâ€™s lipoprotein and determination of its attachment sites to peptidoglycan by 252Cf-PD and MALDI time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 892-905.	2.8	14
82	Development of a bio-analytical strategy for characterization of vaccine particles combining SEC and nanoES GEMMA. <i>Analyst, The</i> , 2014, 139, 1412-1419.	3.5	14
83	MALDI-TOF Mass Spectrometry Imaging Reveals Molecular Level Changes in Ultrahigh Molecular Weight Polyethylene Joint Implants in Correlation with Lipid Adsorption. <i>Analytical Chemistry</i> , 2014, 86, 9723-9732.	6.5	14
84	A uniform measurement expression for cross method comparison of nanoparticle aggregate size distributions. <i>Analyst, The</i> , 2015, 140, 5257-5267.	3.5	14
85	Native Nano-electrospray Differential Mobility Analyzer (nES GEMMA) Enables Size Selection of Liposomal Nanocarriers Combined with Subsequent Direct Spectroscopic Analysis. <i>Analytical Chemistry</i> , 2019, 91, 3860-3868.	6.5	14
86	Characterization of covalently inhibited extracellular lipase from <i>Streptomyces rimosus</i> by matrix-assisted laser desorption/ionization time-of-flight and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron time-of-flight mass spectrometry: localization of the active site serine. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1474-1483.	1.6	13
87	The impact of tyrosine kinase 2 (Tyk2) on the proteome of murine macrophages and their response to lipopolysaccharide (LPS). <i>Proteomics</i> , 2008, 8, 3469-3485.	2.2	13
88	Parallel differential mobility analysis for electrostatic characterization and manipulation of nanoparticles and viruses. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 123-132.	11.4	13
89	Imaging of a Tribolayer Formed from Ionic Liquids by Laser Desorption/Ionization-Reflectron Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 10708-10714.	6.5	13
90	The influence of nonspecific cleavage sites on identification of low molecular mass proteins by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with seamless post-source decay fragment ion analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 79-82.	1.5	12

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91	Comparing standard and microwave assisted staining protocols for SDS-PAGE of glycoproteins followed by subsequent PMF with MALDI MS. <i>Journal of Proteomics</i> , 2009, 72, 628-639.	2.4	12
92	CID of singly charged antioxidants applied in lubricants by means of a 3D ion trap and a linear ion trap Orbitrap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2011, 46, 517-528.	1.6	12
93	Visualization of a protein-protein interaction at a single-molecule level by atomic force microscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1411-1421.	3.7	12
94	Liquid phase separation of proteins based on electrophoretic effects in an electrospray setup during sample introduction into a gas-phase electrophoretic mobility molecular analyzer (CE-GEMMA/CE-ES-DMA). <i>Analytica Chimica Acta</i> , 2014, 841, 91-98.	5.4	12
95	Oxidation Products of Ester-Based Oils with and without Antioxidants Identified by Stable Isotope Labelling and Mass Spectrometry. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 396.	2.5	12
96	Size and molecular weight determination of polysaccharides by means of nano electrospray gas-phase electrophoretic mobility molecular analysis (nES GEMMA). <i>Electrophoresis</i> , 2018, 39, 1142-1150.	2.4	12
97	Monolithic anion-exchange chromatography yields rhinovirus of high purity. <i>Journal of Virological Methods</i> , 2018, 251, 15-21.	2.1	12
98	Molecular weight-determination of biosynthetically modified monomeric and oligomeric muropeptides from <i>Escherichia coli</i> by plasma desorption-mass spectrometry. <i>FEBS Letters</i> , 1993, 316, 181-185.	2.8	11
99	Microchip capillary gel electrophoresis of multiply PEGylated high-molecular-mass glycoproteins. <i>Biotechnology Journal</i> , 2012, 7, 635-641.	3.5	11
100	Ca ²⁺ concentration-dependent conformational change of FVIII B-domain observed by atomic force microscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6051-6056.	3.7	11
101	Calcium ion effect on phospholipid bilayers as cell membrane analogues. <i>Bioelectrochemistry</i> , 2022, 143, 107988.	4.6	11
102	Analysis of antioxidants in insulation cladding of copper wire: a comparison of different mass spectrometric techniques (ESI-IT, MALDI-TOF and RTOF-SIMS). <i>Journal of Mass Spectrometry</i> , 2009, 44, 1724-1732.	1.6	10
103	Improved identification of hordeins by cysteine alkylation with α -bromoethylamine, SDS-PAGE and subsequent in-gel tryptic digestion. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1613-1621.	1.6	10
104	Characterization of rhinovirus subviral A particles via capillary electrophoresis, electron microscopy and gas phase electrophoretic mobility molecular analysis: Part II. <i>Electrophoresis</i> , 2013, 34, 1600-1609.	2.4	10
105	Sensitive detection of C-reactive protein in serum by immunoprecipitation microchip capillary gel electrophoresis. <i>Analytical Biochemistry</i> , 2015, 478, 102-106.	2.4	10
106	Mass spectrometry-based investigation of measles and mumps virus proteome. <i>Virology Journal</i> , 2018, 15, 160.	3.4	10
107	Exact molecular mass determination of various forms of native and de-N-glycosylated human plasma-derived antithrombin by means of electrospray ionization ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1429-1436.	1.6	9
108	A comparison of nano-electrospray gas-phase electrophoretic mobility macromolecular analysis and matrix-assisted laser desorption/ionization linear time-of-flight mass spectrometry for the characterization of the recombinant coagulation glycoprotein von W. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 761-767.	1.5	9

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109	A universal product ion nomenclature for $[M\hat{H}]^+$, $[M+H]^+$ and $[M+nNa\hat{H}]^+$ ($n=1\text{--}3$) glycerophospholipid precursor ions based on high-energy CID by MALDI-TOF/TOF mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 301, 90-101.	1.5	9
110	Identification of mumps virus protein and lipid composition by mass spectrometry. <i>Virology Journal</i> , 2016, 13, 9.	3.4	9
111	Bipolar Corona Discharge-Based Charge Equilibration for Nano Electrospray Gas-Phase Electrophoretic Mobility Molecular Analysis of Bio- and Polymer Nanoparticles. <i>Analytical Chemistry</i> , 2020, 92, 8665-8669.	6.5	9
112	Immunoprecipitation combined with microchip capillary gel electrophoresis: Detection and quantification of Î²-galactosidase from crude <i>E. coli</i> cell lysate. <i>Biotechnology Journal</i> , 2011, 6, 420-427.	3.5	8
113	Different target surfaces for the analysis of peptides, peptide mixtures and peptide mass fingerprints by AP-MALDI ion trap-mass spectrometry. <i>Journal of Proteomics</i> , 2011, 74, 975-981.	2.4	8
114	In-chain neutral hydrocarbon loss from crocin apocarotenoid ester glycosides and the crocetin aglycon (<i>Crocus sativus</i> L.) by ESI-MS ($n=2, 3$). <i>Journal of Mass Spectrometry</i> , 2013, 48, 1299-1307.		8
115	Chip electrophoresis of gelatin-based nanoparticles. <i>Electrophoresis</i> , 2013, 34, 2152-2161.	2.4	8
116	nES GEMMA Analysis of Lectins and Their Interactions with Glycoproteins – Separation, Detection, and Sampling of Noncovalent Biospecific Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 77-86.	2.8	8
117	Comparing the applicability of CGE-on-a-chip and SDS-PAGE for fast pre-screening of mouse serum samples prior to proteomics analysis. <i>Electrophoresis</i> , 2008, 29, 4332-4340.	2.4	7
118	Molecular weight determination of high molecular mass (glyco)proteins using CGE-on-a-chip, planar SDS-PAGE and MALDI-TOF-MS. <i>Electrophoresis</i> , 2010, 31, 3850-3862.	2.4	7
119	Diamond-like carbon coated polymer-based targets in microscope slide format for MALDI mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 566-569.	1.6	7
120	Positive and negative electrospray ionisation travelling wave ion mobility mass spectrometry and low-energy collision-induced dissociation of sialic acid derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3235-3244.	1.5	7
121	Microchip capillary gel electrophoresis combined with lectin affinity enrichment employing magnetic beads for glycoprotein analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6625-6634.	3.7	7
122	Adeno-associated Virus Virus-like Particle Characterization via Orthogonal Methods: Nanoelectrospray Differential Mobility Analysis, Asymmetric Flow Field-Flow Fractionation, and Atomic Force Microscopy. <i>ACS Omega</i> , 2021, 6, 16428-16437.	3.5	7
123	PEGylated recombinant von Willebrand factor analyzed by means of MALDI-TOF-MS, CGE-on-a-chip and nES-GEMMA. <i>International Journal of Mass Spectrometry</i> , 2011, 305, 157-163.	1.5	6
124	Identification of <i>Bremia lactucae</i> and <i>Oidium neolycopersici</i> proteins extracted for intact spore MALDI mass spectrometric biotyping. <i>Electrophoresis</i> , 2016, 37, 2940-2952.	2.4	6
125	Elucidation of oxidation and degradation products of oxygen containing fuel components by combined use of a stable isotopic tracer and mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 993, 47-54.	5.4	6
126	Development of an accelerated artificial ageing method for the characterization of degradation products of antioxidants in lubricants by mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2019, 25, 300-323.	1.0	6

#	ARTICLE	IF	CITATIONS
127	Inâ€depth analysis of crocetin ester glycosides from dried/processed stigmas of <i>Crocus sativus</i> L. by HPLCâ€ESIâ€MS (<i>n</i> = 2, 3). <i>Phytochemical Analysis</i> , 2019, 30, 2.4 346-356.	2.4	6
128	Molecular Weight Determination of Adenoâ€Associate Virus serotype 8 Virusâ€like Particle either carrying or lacking genome via native nES Gasâ€Phase Electrophoretic Molecular Mobility Analysis (GEMMA) and nESI QTOF Mass Spectrometry. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4786.	1.6	6
129	Electron impact ionization mass spectrometry and tandem mass spectrometry of phenylalkylpyridazines. <i>Organic Mass Spectrometry</i> , 1991, 26, 595-600.	1.3	5
130	Sample preparation for the analysis of glycerophospholipids by matrix-assisted positive and negative ion 252Cf plasma desorption time-of-flight mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 1996, 2, 247.	0.7	5
131	Long time storage (archiving) of peptide, protein and tryptic digest samples on disposable nano-coated polymer targets for MALDI MS. <i>EuPA Open Proteomics</i> , 2015, 8, 48-54.	2.5	5
132	Characterization of Peptidoglycan Trimers after Gel Chromatography and Reversed-phase High-performance Liquid Chromatography by Positive-ion Plasma Desorption Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1956-1960.	1.5	4
133	Mass spectrometry â€” One of the pillars of proteomics. <i>Journal of Proteomics</i> , 2011, 74, 915-919.	2.4	4
134	Improved sample preparation for intact cell mass spectrometry (biotyping) of mycelium samples taken from a batch fermentation process of <i>Penicillium chrysogenum</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 957-964.	1.5	4
135	Characterization of on-target generated tryptic peptides from <i>Giberella zeae</i> conidia spore proteins by means of matrix-assisted laser desorption/ionization mass spectrometry. <i>Molecular and Cellular Probes</i> , 2014, 28, 91-98.	2.1	4
136	Intact cell mass spectrometry as a progress tracking tool for batch and fed-batch fermentation processes. <i>Analytical Biochemistry</i> , 2015, 470, 25-33.	2.4	4
137	Processed stigmas of <i>Crocus sativus</i> L. imaged by MALDIâ€based MS. <i>Proteomics</i> , 2016, 16, 1726-1730.	2.2	4
138	Polymer-based metal nano-coated disposable target for matrix-assisted and matrix-free laser desorption/ionization mass spectrometry. <i>Methods</i> , 2016, 104, 182-193.	3.8	4
139	Nano electrospray differential mobility analysis based size-selection of liposomes and very-low density lipoprotein particles for offline hyphenation to MALDI mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112998.	2.8	4
140	Intact Cell/Spore Mass Spectrometry of <i>Fusarium</i> Macro Conidia for Fast Isolate and Species Differentiation. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2011, , 47-63.	0.5	4
141	Atmospheric pressure matrixâ€assisted laser desorption/ionization mass spectrometry of engine oil additive components. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9271.	1.5	4
142	Inhibition of extracellular lipase from <i>Streptomyces rimosus</i> with 3,4-dichloroisocoumarin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 1094-1104.	5.2	3
143	Soft X-ray Radiation Applied in the Analysis of Intact Viruses and Antibodies by Means of Nano Electrospray Differential Mobility Analysis. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017, , 149-157.	0.5	3
144	A laser desorption ionization/matrixâ€assisted laser desorption ionization target system applicable for three distinct types of instruments (LinTOF/curved field RTOF, LinTOF/RTOF and QqRTOF) with different performance characteristics from three vendors. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 649-656.	1.5	3

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145	Positive and negative ion ²⁵² Cf plasma desorption mass spectrometry of polar agrochemical metabolites. <i>Biological Mass Spectrometry</i> , 1990, 19, 75-79.	0.5	2
146	Characterization of syntheticN-acetylcysteine conjugates by positive- and negative-ion ²⁵² Cf plasma desorption mass spectrometry. <i>Organic Mass Spectrometry</i> , 1991, 26, 1065-1073.	1.3	2
147	Intact cell/intact spore mass spectrometry (IC/ISMS) on polymer-based, nano-coated disposable targets. <i>Molecular and Cellular Probes</i> , 2014, 28, 99-105.	2.1	2
148	Collision-induced dissociation of aminophospholipids (PE, MMPE, DMPE, PS): an apparently known fragmentation process revisited. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5079-5089.	3.7	2
149	In vitro RNA release from a human rhinovirus monitored by means of a molecular beacon and chip electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4209-4217.	3.7	2
150	A bio-inspired method for direct measurement of local wall shear rates with micrometer localization using the multimeric protein von Willebrand factor as sensor molecule. <i>Biomicrofluidics</i> , 2017, 11, 044117.	2.4	2
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152	A possible role of gas-phase electrophoretic mobility molecular analysis (nES GEMMA) in extracellular vesicle research. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7341-7352.	3.7	2
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154	Characterization of Calixarenes by Positive- and Negative-ion Californium-252 Plasma Desorption Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 427-432.	1.5	1
155	LDI and ESI MS as well as low energy CID of a selfâ€assembling nanorodâ€forming fullerene derivative. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1108-1114.	1.6	1
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157	Online hyphenation of sizeâ€exclusion chromatography and gasâ€phase electrophoresis facilitates the characterization of protein aggregates. <i>Electrophoresis</i> , 2021, 42, 1202-1208.	2.4	1
158	nES-DMA with Charge-reduction based on Soft X-ray Radiation: Analysis of a Recombinant Monoclonal Antibody. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1182, 122925.	2.3	1
159	Mass spectrometry of proteinous allergens inducing human diseases. , 2008, , 459-485.		0
160	Chip electrophoretic separation of highly homologous ammodytoxin isoforms: Three neurotoxic phospholipases A₂ of <i>Vipera ammodytes ammodytes</i> venom. <i>Electrophoresis</i> , 2014, 35, 2137-2145.	2.4	0
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