

# CITATION REPORT

List of articles citing

## Relating electrospray ionization response to nonpolar character of small peptides

DOI: 10.1021/ac9914869

Analytical Chemistry, 2000, 72, 2717-23.

**Source:** <https://exaly.com/paper-pdf/32207490/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
289	Determining Linear Free Energy Relationships in Peptide Fragmentation Using Derivatization and Targeted Mass Spectrometry.		
288	AP3: An Advanced Proteotypic Peptide Predictor for Targeted Proteomics by Incorporating Peptide Digestibility.		
287	Current awareness. <i>Journal of Mass Spectrometry</i> , <b>2000</b> , 35, 1363-74	2.2	
286	Atmospheric aerosols as prebiotic chemical reactors. <b>2000</b> , 97, 11864-8		178
285	Micro-heterogeneous catalysis at the surface of electrodynamically levitated particles. <b>2001</b> , 32, 1147-1159		7
284	Site specific sequestering and stabilization of charge in peptides by supramolecular adduct formation with 18-crown-6 ether by way of electrospray ionization. <i>International Journal of Mass Spectrometry</i> , <b>2001</b> , 210-211, 613-623	1.9	111
283	Physical/chemical separations in the break-up of highly charged droplets from electrosprays. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 343-7	3.5	71
282	Factors influencing the determination of analyte ion surface partitioning coefficients in electrosprayed droplets. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 1002-1010	3.5	13
281	Electrospray ionization detection of inherently nonresponsive epoxides by peptide binding. <i>Rapid Communications in Mass Spectrometry</i> , <b>2001</b> , 15, 1040-4	2.2	12
280	Practical implications of some recent studies in electrospray ionization fundamentals. <i>Mass Spectrometry Reviews</i> , <b>2001</b> , 20, 362-87	11	999
279	Quantitative Analysis of Copolymers: Influence of the Structure of the Monomer on the Ionization Efficiency in Electrospray Ionization FTMS. <b>2002</b> , 35, 4919-4928		11
278	Quantitation of tryptophan, kynurenine and kynurenic acid in human plasma by capillary liquid chromatography-electrospray ionization tandem mass spectrometry. <b>2002</b> , 780, 381-7		66
277	Taylor dispersion monitored by electrospray mass spectrometry: a novel approach for studying diffusion in solution. <i>Rapid Communications in Mass Spectrometry</i> , <b>2002</b> , 16, 1454-62	2.2	30
276	Investigation of the electrospray response of lysine-, arginine-, and homoarginine-terminal peptide mixtures by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2002</b> , 16, 2255-9	2.2	18
275	Comparative measurements of multicomponent phospholipid mixtures by electrospray mass spectroscopy: relating ion intensity to concentration. <b>2002</b> , 308, 152-9		67
274	Solvated Ion Evaporation from Charged Water Nanodroplets. <b>2003</b> , 107, 7406-7412		84
273	Mass spectrometry of polyaromatic sulfur compounds in the presence of palladium(II). <i>Journal of Mass Spectrometry</i> , <b>2003</b> , 38, 167-73	2.2	17

272	Influence of response factors on determining equilibrium association constants of non-covalent complexes by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2003</b> , 38, 491-501 <sup>2,2</sup>		133
271	Schwefel als Schlüssel-element für die quantitative Proteinanalytik durch Kopplung von Kapillar-Flüssigchromatographie und Elementmassenspektrometrie. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 3547-3549	3.6	4
270	Sulfur as the key element for quantitative protein analysis by capillary liquid chromatography coupled to element mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3425-7	16.4	82
269	Essential cysteine-alkylation strategies to monitor structurally altered estrogen receptor as found in oxidant-stressed breast cancers. <b>2003</b> , 320, 21-31		13
268	Adduct formation in electrospray ionization mass spectrometry II. Benzoic acid derivatives. <i>Journal of Chromatography A</i> , <b>2003</b> , 985, 531-9	4.5	60
267	Effect of different solution flow rates on analyte ion signals in nano-ESI MS, or: when does ESI turn into nano-ESI?. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2003</b> , 14, 492-500	3.5	418
266	Feasibility of an on-line restricted access material/liquid chromatography/tandem mass spectrometry method in the rapid and sensitive determination of organophosphorus triesters in human blood plasma. <b>2003</b> , 795, 245-56		36
265	Conformational dynamics of partially denatured myoglobin studied by time-resolved electrospray mass spectrometry with online hydrogen-deuterium exchange. <b>2003</b> , 42, 5896-905		52
264	Characterization of naphthenic acids by electrospray ionization high-field asymmetric waveform ion mobility spectrometry mass spectrometry. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 4612-23	7.8	56
263	Implications of hydrophobicity and free energy of solvation for characterization of nucleic acids by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 1331-9	7.8	72
262	Internal standard signal suppression by co-eluting analyte in isotope dilution LC-ESI-MS. <b>2003</b> , 128, 51-4		93
261	Mass spectrometric analysis of protein mixtures at low levels using cleavable <sup>13</sup> C-isotope-coded affinity tag and multidimensional chromatography. <b>2003</b> , 2, 299-314		241
260	Distinct conformational stability and functional activity of four highly homologous endonuclease colicins. <b>2004</b> , 13, 1391-401		12
259	Adduct formation in quantitative bioanalysis: effect of ionization conditions on paclitaxel. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 585-92	3.5	71
258	Development of an LC-MALDI method for the analysis of protein complexes. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 803-22	3.5	72
257	Automated orthogonal control system for electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 1201-15	3.5	52
256	Charge competition and the linear dynamic range of detection in electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 1416-1423	3.5	208
255	Characterization of a gadolinium-tagged modular contrast agent by element and molecular mass spectrometry. <b>2004</b> , 19, 852-857		21

254	Physicochemical properties determining the detection probability of tryptic peptides in Fourier transform mass spectrometry. A correlation study. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 5872-7	7.8	20
253	Favorable effects of weak acids on negative-ion electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 839-47	7.8	158
252	A proteome strategy for fractionating proteins and peptides using continuous free-flow electrophoresis coupled off-line to reversed-phase high-performance liquid chromatography. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 4811-24	7.8	105
251	Fundamentals and Applications of Electrospray Ionization Mass Spectrometry for Petroleum Characterization. <b>2004</b> , 18, 1784-1791		57
250	Characterization of G-rich and T-rich oligonucleotides using ion-pair reversed-phase high-performance liquid chromatography/tandem electrospray ionization mass spectrometry. <b>2004</b> , 10, 705-13		5
249	Investigation of electrospray ionization and electrostatic focusing devices using a three-dimensional electrospray current density profiler. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 312-23	3.5	16
248	The relative influences of acidity and polarity on responsiveness of small organic molecules to analysis with negative ion electrospray ionization mass spectrometry (ESI-MS). <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 446-55	3.5	121
247	Determination of affinity constants and response factors of the noncovalent dimer of gramicidin by electrospray ionization mass spectrometry and mathematical modeling. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 1031-8	3.5	29
246	Using electrospray ionization-mass spectrometry/tandem mass spectrometry and small molecules to study guanidinium $\pi$ ion interactions. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 241, 11-23	1.9	16
245	Mobile phase influence on electrospray ionization for the analysis of smokeless powders by gradient reversed phase high-performance liquid chromatography-ESIMS. <b>2005</b> , 154, 159-66		13
244	Complementary mass spectrometric techniques to achieve complete sequence coverage of recombinant human tropoelastin. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 2989-93	2.2	7
243	The use of chemical derivatization to enhance liquid chromatography/tandem mass spectrometric determination of 1-hydroxypyrene, a biomarker for polycyclic aromatic hydrocarbons in human urine. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 3331-8	2.2	39
242	On the use of nonfluorescent dye labeled ligands in FRET-based receptor binding studies. <b>2005</b> , 48, 7847-59		26
241	Mass spectrometers for the analysis of biomolecules. <b>2005</b> , 402, 3-48		27
240	Matrix effects in quantitative pesticide analysis using liquid chromatography-mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2006</b> , 25, 881-99	11	341
239	More sensitive and quantitative proteomic measurements using very low flow rate porous silica monolithic LC columns with electrospray ionization-mass spectrometry. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 1091-7	5.6	49
238	Cationization versus surface activity--the effect on electrospray ionization. <b>2006</b> , 12, 15-8		5
237	Direct infusion electrospray ionization mass spectra of crude cell extracts for microbial characterizations: influence of solvent conditions on the detection of proteins. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 21-30	2.2	5

236	Selectivity of electrospray response in small polymer analysis by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 3188-92	2.2	5
235	Description of response and charge-state distribution of poly(ether glycol)s in electrospray. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 3374-8	2.2	5
234	The influence of the thin-layer flow cell design on the mass spectra when coupling electrochemistry to electrospray ionisation mass spectrometry. <b>2006</b> , 590, 90-99		17
233	Incorporation of a nanosplitter interface into an LC-MS-RD system to facilitate drug metabolism studies. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 43-9	2.2	12
232	High-Throughput Microbial Characterizations Using Electrospray Ionization Mass Spectrometry and Its Role in Functional Genomics. <b>2006</b> , 229-256		
231	Modes of Ionization. 15-65		1
230	Dual-source mass spectrometer with MALDI-LIT-ESI configuration. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 837-45	5.6	10
229	Limitations and pitfalls in protein identification by mass spectrometry. <i>Chemical Reviews</i> , <b>2007</b> , 107, 3568-84	8.4	93
228	Proteomics of integral membrane proteins--theory and application. <i>Chemical Reviews</i> , <b>2007</b> , 107, 3687-768	18.1	264
227	Electrospray Ionization. 485-518		
226	Advanced instrumental approaches for characterization of marine dissolved organic matter: extraction techniques, mass spectrometry, and nuclear magnetic resonance spectroscopy. <i>Chemical Reviews</i> , <b>2007</b> , 107, 419-42	68.1	251
225	. <b>2007</b> ,		82
224	High throughput analysis of tryptophan metabolites in a complex matrix using capillary electrophoresis coupled to time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2007</b> , 1159, 154-8	4.5	44
223	The determination of organophosphonate nerve agent metabolites in human urine by hydrophilic interaction liquid chromatography tandem mass spectrometry. <b>2007</b> , 852, 235-43		76
222	Detection of potential ion suppression for peptide analysis in nanoflow liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 2860-6	2.2	12
221	Capillary hydrophilic interaction chromatography/mass spectrometry for simultaneous determination of multiple neurotransmitters in primate cerebral cortex. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 3621-8	2.2	76
220	The future of liquid chromatography-mass spectrometry (LC-MS) in metabolic profiling and metabolomic studies for biomarker discovery. <b>2007</b> , 1, 159-185		66
219	Analysis of protein mixtures by electrospray mass spectrometry: effects of conformation and desolvation behavior on the signal intensities of hemoglobin subunits. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 1279-85	3.5	27

218	The effect of analyte acidity on signal suppression and the implications to peak purity determinations using atmospheric pressure ionization mass spectrometry. <b>2007</b> , 44, 118-26		6
217	Relative importance of basicity in the gas phase and in solution for determining selectivity in electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2008</b> , 19, 719-28	3.5	71
216	Using HPTLC/DESI-MS for peptide identification in 1D separations of tryptic protein digests. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 317-24	4.4	43
215	Silanization of inner surfaces of nanoelectrospray ionization emitters for reduced analyte adsorption. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 1265-74	2.2	5
214	HPTLC/DESI-MS imaging of tryptic protein digests separated in two dimensions. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 1627-35	2.2	52
213	The advantages of ESI-MS detection in conjunction with HILIC mode separations: Fundamentals and applications. <b>2008</b> , 31, 1465-80		233
212	Peptide fragmentation assisted by surfaces treated with a low-temperature plasma in nanoESI. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 8646-9	16.4	53
211	Peptide Fragmentation Assisted by Surfaces Treated with a Low-Temperature Plasma in NanoESI. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 8774-8777	3.6	5
210	Monte carlo simulation of macromolecular ionization by nanoelectrospray. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2008</b> , 19, 1098-107	3.5	32
209	Quantitative bioanalysis of peptides by liquid chromatography coupled to (tandem) mass spectrometry. <b>2008</b> , 872, 1-22		150
208	Electrospray ionization mass spectroscopic analysis of peptides modified with N-ethylmaleimide or iodoacetanilide. <b>2008</b> , 18, 4891-5		17
207	Matrix effects in pesticide multi-residue analysis by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2008</b> , 1187, 58-66	4.5	235
206	High Resolution Separations and Improved Ion Production and Transmission in Metabolomics. <b>2008</b> , 27, 205-214		40
205	Formation of the serine octamer: Ion evaporation or charge residue?. <i>International Journal of Mass Spectrometry</i> , <b>2008</b> , 270, 166-172	1.9	27
204	Overcoming matrix effects in liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 9343-8	7.8	206
203	Electrospray mass spectrometry to study drug-nucleic acids interactions. <b>2008</b> , 90, 1074-87		124
202	Complementary analysis of the vegetative membrane proteome of the human pathogen <i>Staphylococcus aureus</i> . <b>2008</b> , 7, 1460-8		52
201	Sulfonation and phosphorylation of regions of the dioxin receptor susceptible to methionine modifications. <b>2009</b> , 8, 706-19		11

200	Elastase digests: new ammunition for shotgun membrane proteomics. <b>2009</b> , 8, 1029-43		62
199	Electrospray: from ions in solution to ions in the gas phase, what we know now. <i>Mass Spectrometry Reviews</i> , <b>2009</b> , 28, 898-917	11	591
198	Improved partition equilibrium model for predicting analyte response in electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 222-9	2.2	12
197	The relative influence of phosphorylation and methylation on responsiveness of peptides to MALDI and ESI mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 821-31	2.2	30
196	A High-Resolution Interaction Map of Three Transcriptional Activation Domains with a Key Coactivator from Photo-Cross-Linking and Multiplexed Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7155-7158	3.6	2
195	A high-resolution interaction map of three transcriptional activation domains with a key coactivator from photo-cross-linking and multiplexed mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7021-4	16.4	15
194	Multiresidue analysis of 47 pesticides in cooked wheat flour and polished rice by liquid chromatography with tandem mass spectrometry. <b>2009</b> , 23, 434-42		29
193	Multiresidue analysis of pesticides with hydrolyzable functionality in cooked vegetables by liquid chromatography tandem mass spectrometry. <b>2009</b> , 23, 719-31		12
192	Multiplex expression cloning of blood-brain barrier membrane proteins. <b>2009</b> , 9, 1099-108		10
191	Using multivariate statistical methods to model the electrospray ionization response of GXG tripeptides based on multiple physicochemical parameters. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 2221-32	2.2	20
190	Prediction of high-responding peptides for targeted protein assays by mass spectrometry. <b>2009</b> , 27, 190-8		247
189	Chemometric study of the influence of instrumental parameters on ESI-MS analyte response using full factorial design. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 279, 100-106	1.9	29
188	Evaluation of the ALiPHAT method for PC-IDMS and correlation of limits-of-detection with nonpolar surface area. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2009</b> , 20, 2006-12	3.5	14
187	Comparison of different amino acid derivatives and analysis of rat brain microdialysates by liquid chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2009</b> , 633, 223-31	6.6	56
186	Combating matrix effects in LC/ESI/MS: the extrapolative dilution approach. <i>Analytica Chimica Acta</i> , <b>2009</b> , 651, 75-80	6.6	86
185	Probing metal ion binding and conformational properties of the colicin E9 endonuclease by electrospray ionization time-of-flight mass spectrometry. <b>2002</b> , 11, 1738-52		46
184	Use of electrospray ionization mass spectrometry to study binding interactions between a replication terminator protein and DNA. <b>2002</b> , 11, 147-57		18
183	Virtual quantification of metabolites by capillary electrophoresis-electrospray ionization-mass spectrometry: predicting ionization efficiency without chemical standards. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 2506-15	7.8	107

182	Direct quantitation of peptide mixtures without standards using clusters formed by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3965-72	7.8	9
181	Standard-free quantitation of mixtures using clusters formed by electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 8434-40	7.8	11
180	Combined charged residue-field emission model of macromolecular electrospray ionization. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 369-77	7.8	131
179	A simple method to determine electrospray response factors of noncovalent complexes. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 6708-15	7.8	66
178	Single droplet separations and surface partition coefficient measurements using laser ablation mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9682-8	7.8	21
177	Differential <sup>12</sup> C-/ <sup>13</sup> C-isotope dansylation labeling and fast liquid chromatography/mass spectrometry for absolute and relative quantification of the metabolome. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3919-32	7.8	301
176	A perspective on the Maillard reaction and the analysis of protein glycation by mass spectrometry: probing the pathogenesis of chronic disease. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 754-69	5.6	261
175	Structural characterization of short-lived protein unfolding intermediates by laser-induced oxidative labeling and mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 20-7	7.8	49
174	Protein Folding and Protein-Ligand Interactions Monitored by Electrospray Mass Spectrometry. <b>2009</b> , 5, 186-204		19
173	Enantiomer assays of amino acid derivatives using tertiary amine appended trans-4-hydroxyproline derivatives as chiral selectors in the gas phase. <i>Analytica Chimica Acta</i> , <b>2010</b> , 661, 60-6	6.6	2
172	Comprehensive characterization of marine dissolved organic matter by Fourier transform ion cyclotron resonance mass spectrometry with electrospray and atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 643-50	2.2	84
171	Challenges in mass spectrometry based targeted metabolomics. <b>2010</b> , 10, 216-26		65
170	Electrospray ionization efficiency scale of organic compounds. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 2865-72	7.8	194
169	Interplay of permanent charge and hydrophobicity in the electrospray ionization of glycans. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 6636-42	7.8	49
168	Alkylating tryptic peptides to enhance electrospray ionization mass spectrometry analysis. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 10135-42	7.8	40
167	Direct standard-free quantitation of Tamiflu and other pharmaceutical tablets using clustering agents with electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1179-82	7.8	11
166	The effect of electrospray solvent composition on desorption electrospray ionisation (DESI) efficiency and spatial resolution. <b>2010</b> , 135, 731-7		62
165	Improving limits of detection for B-type natriuretic peptide using PC-IDMS: an application of the ALiPHAT strategy. <b>2010</b> , 135, 36-41		18



164	New reagents for enhanced liquid chromatographic separation and charging of intact protein ions for electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 7515-9	7.8	61
163	Correlating solution binding and ESI-MS stabilities by incorporating solvation effects in a confined cucurbit[8]uril system. <b>2010</b> , 114, 8606-15		104
162	Direct electrospray ionization mass spectrometry quantitative analysis of sebacic and terephthalic acids in biodegradable polymers. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 654-60	7.8	13
161	Application of liquid chromatography-direct-electron ionization-MS in an in vitro dermal absorption study: quantitative determination of trans-cinnamaldehyde. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 8537-42	7.8	13
160	Electrospray ionization using wooden tips. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 8201-7	7.8	166
159	Understanding and optimizing electrospray ionization techniques for proteomic analysis. <b>2011</b> , 8, 197-209		19
158	Identifying specific small-molecule interactions using electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5160-7	7.8	14
157	Determination of hexamethylphosphoramide and other highly polar phosphoramides in water samples using reversed-phase liquid chromatography/electrospray ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 6426-32	4.5	3
156	Overcoming matrix effects using the dilution approach in multiresidue methods for fruits and vegetables. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 7634-9	4.5	277
155	Principles of electrospray ionization. <b>2011</b> , 10, M111.009407		141
154	100% protein sequence coverage: a modern form of surrealism in proteomics. <b>2011</b> , 41, 291-310		79
153	Simultaneous quantitation of amino acid mixtures using clustering agents. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 624-32	3.5	2
152	Sequential and exhaustive ionization of analytes with different surface activity by probe electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 1493-500	3.5	60
151	Practical considerations in analysing neuropeptides, calcitonin gene-related peptide and vasoactive intestinal peptide, by nano-electrospray ionisation and quadrupole time-of-flight mass spectrometry: monitoring multiple protonations. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1107-15	2.2	6
150	Accounting for matrix effects of pesticide residue liquid chromatography/electrospray ionisation mass spectrometric determination by treatment of background mass spectra with chemometric tools. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1159-68	2.2	17
149	Peptide polarity and the position of arginine as sources of selectivity during positive electrospray ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 3597-608	2.2	11
148	Noncovalent complexation of glucosylthioureidocalix[4]arenes with carboxylates and their gas-phase characteristics: an ESI-FTICR mass spectrometric study. <i>Journal of Mass Spectrometry</i> , <b>2011</b> , 46, 787-93	2.2	7
147	An overview of matrix effects in liquid chromatography-mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2011</b> , 30, 491-509	11	508

146	Capitalizing on the hydrophobic bias of electrospray ionization through chemical modification in mass spectrometry-based proteomics. <b>2011</b> , 8, 317-23		12
145	Performance and matrix effect observed in QuEChERS extraction and tandem mass spectrometry analyses of pesticide residues in different target crops. <i>Journal of Chromatographic Science</i> , <b>2011</b> , 49, 709-14	1.4	20
144	Chemical derivatization as a tool for optimizing MS response in sensitive LC-MS/MS bioanalysis and its role in pharmacokinetic studies. <b>2012</b> , 4, 213-20		23
143	Influence of boric acid on electrospray ionization efficiency. <b>2012</b> , 18, 71-5		6
142	Quantitative analysis of neurochemical panel in rat brain and plasma by liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 10044-51	7.8	73
141	Capillary electrophoresis-electrospray ionization-mass spectrometry interfaces: fundamental concepts and technical developments. <i>Journal of Chromatography A</i> , <b>2012</b> , 1267, 17-31	4.5	89
140	High sensitivity mass spectrometric quantification of serum growth hormone by amphiphilic peptide conjugation. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 1554-60	2.2	9
139	Accelerated C-N bond formation in dropcast thin films on ambient surfaces. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 1461-8	3.5	74
138	Applications of high-resolution electrospray ionization mass spectrometry to measurements of average oxygen to carbon ratios in secondary organic aerosols. <b>2012</b> , 46, 8315-24		30
137	Selectivity in Electrospray Ionization Mass Spectrometry. <b>2012</b> , 49-73		3
136	Effect of polar protic and polar aprotic solvents on negative-ion electrospray ionization and chromatographic separation of small acidic molecules. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 9942-50	7.8	55
135	Reactions of microsolvated organic compounds at ambient surfaces: droplet velocity, charge state, and solvent effects. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 1077-84	3.5	60
134	Nebulizing conditions of pneumatic electrospray ionization significantly influence electrolyte effects on compound measurement. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 370-80	2.2	8
133	Electrospray-differential mobility analysis as an orthogonal tool to size-exclusion chromatography for characterization of protein aggregates. <b>2012</b> , 101, 1985-94		9
132	Polar aprotic modifiers for chromatographic separation and back-exchange reduction for protein hydrogen/deuterium exchange monitored by Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 699-707	3.5	20
131	Effect of methanol quality on the ionisation of herbicides, insecticides and fungicides using gradient elution liquid chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1219, 83-92	4.5	7
130	Top-down mass spectrometry for the analysis of combinatorial post-translational modifications. <i>Mass Spectrometry Reviews</i> , <b>2013</b> , 32, 27-42	11	48
129	Counter-ion and solvent effects in electrospray ionization of solutions of alkali metal and quaternary ammonium salts. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 354-355, 219-228	1.9	13

128	Modified QuEChERS method for the analysis of 11 pesticide residues in tea by liquid chromatography tandem mass spectrometry. <b>2013</b> , 5, 3056		26
127	Quantitative structure-ion intensity relationship strategy to the prediction of absolute levels without authentic standards. <i>Analytica Chimica Acta</i> , <b>2013</b> , 794, 67-75	6.6	21
126	Derivatization in LC-MS Bioanalysis. <b>2013</b> , 239-248		2
125	Evaluation and Elimination of Matrix Effects in LC-MS Bioanalysis. <b>2013</b> , 249-258		2
124	Performance of dielectric barrier discharge ionization mass spectrometry for pesticide testing: a comparison with atmospheric pressure chemical ionization and electrospray ionization. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 419-29	2.2	30
123	Liquid chromatographic methods for the quantification of catecholamines and their metabolites in several biological samples--a review. <i>Analytica Chimica Acta</i> , <b>2013</b> , 768, 12-34	6.6	127
122	Generation of picoliter droplets of liquid for electrospray ionization with piezoelectric inkjet. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 321-8	2.2	20
121	Quantitative measurements of small molecule mixtures using laser electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3629-37	7.8	19
120	DNA oligonucleotides: a model system with tunable binding strength to study monomer-dimer equilibria with electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 11902-12	7.8	13
119	A new label-free approach for the determination of reaction rates in oxidative footprinting experiments. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 7679-86	4.4	2
118	Global relative quantification with liquid chromatography-matrix-assisted laser desorption ionization time-of-flight (LC-MALDI-TOF)--cross-validation with LTQ-Orbitrap proves reliability and reveals complementary ionization preferences. <b>2013</b> , 12, 2911-20		10
117	Evaluating nonpolar surface area and liquid chromatography/mass spectrometry response: an application for site occupancy measurements for enzyme intermediates in polyketide biosynthesis. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 2511-22	2.2	4
116	Alleviation of ion suppression effect in sonic spray ionization with induced alternating current voltage. <i>Journal of Mass Spectrometry</i> , <b>2014</b> , 49, 639-45	2.2	14
115	Influence of hydrophobicity on positive- and negative-ion yields of peptides in electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 2222-6	2.2	9
114	Analysis of 7 synthetic musks in cream by supported liquid extraction and solid phase extraction followed by GC-MS/MS. <i>Talanta</i> , <b>2014</b> , 120, 248-54	6.2	14
113	Fact or artifact: the representativeness of ESI-MS for complex natural organic mixtures. <i>Journal of Mass Spectrometry</i> , <b>2014</b> , 49, 316-26	2.2	15
112	Evaluation of matrix effect in isotope dilution mass spectrometry based on quantitative analysis of chloramphenicol residues in milk powder. <i>Analytica Chimica Acta</i> , <b>2014</b> , 807, 75-83	6.6	37
111	Effect of mobile phase on electrospray ionization efficiency. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1853-61	3.5	46

110	Mechanism and sensitivity of anion detection using rationally designed unsymmetrical dications in paired ion electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2665-72	7.8	21
109	Current Electrospray Mass Spectrometry: An Overview. Part B. Analyte Charging. <b>2015</b> , 1-35		2
108	LCMS Interfaces. <b>2015</b> , 87-110		2
107	Electrospray ionization linear trap quadrupole Orbitrap in analysis of old tempera paintings: application to nineteenth-century Orthodox icons. <b>2015</b> , 21, 679-92		5
106	Determination of multi-pesticide residue in tobacco using multi-walled carbon nanotubes as a reversed-dispersive solid-phase extraction sorbent. <b>2015</b> , 38, 1894-9		9
105	Using the partial least squares method to model the electrospray ionization response produced by small pharmaceutical molecules in positive mode. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 1661-75	2.2	16
104	Aerosol Analysis via Electrostatic Precipitation-Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6752-60	7.8	9
103	Electrospray droplet exposure to organic vapors: metal ion removal from proteins and protein complexes. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 1210-8	7.8	28
102	Exploring analyte response in an ESI-MS system with different chemometric tools. <b>2015</b> , 146, 120-127		9
101	Spatial effects on electrospray ionization response. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 388, 1-8	1.9	16
100	Zero Volt Paper Spray Ionization and Its Mechanism. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6786-93	7.8	54
99	Extraction and Quantitation of Ketones and Aldehydes from Mammalian Cells Using Fluorous Tagging and Capillary LC-MS. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7660-6	7.8	20
98	Development of a method for trace level determination of antibiotics in drinking water sources by high performance liquid chromatography-tandem mass spectrometry. <b>2015</b> , 7, 1777-1787		29
97	A versatile reversed phase-strong cation exchange-reversed phase (RP-SCX-RP) multidimensional liquid chromatography platform for qualitative and quantitative shotgun proteomics. <b>2015</b> , 140, 1237-52		17
96	Matrix-Assisted Ionization-Ion Mobility Spectrometry-Mass Spectrometry: Selective Analysis of a Europium-PEG Complex in a Crude Mixture. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 2086-95	3.5	12
95	Chemical derivatization in LC-MS bioanalysis: current & future challenges. <b>2015</b> , 7, 2443-9		9
94	Reactive Charged Droplets for Reduction of Matrix Effects in Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10988-94	7.8	23
93	Transferability of the electrospray ionization efficiency scale between different instruments. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 1923-30	3.5	20

92	Nano-LC in proteomics: recent advances and approaches. <b>2015</b> , 7, 1799-815		89
91	Dependence of negative-mode electrospray ionization response factors on mobile phase composition and molecular structure for newly-authenticated neutral acylsucrose metabolites. <b>2015</b> , 140, 6522-31		11
90	Decoding the signal response of steroids in electrospray ionization mode (ESI-MS). <b>2015</b> , 7, 10433-10444		9
89	Developments in FT-ICR MS instrumentation, ionization techniques, and data interpretation methods for petroleomics. <i>Mass Spectrometry Reviews</i> , <b>2015</b> , 34, 248-63	11	141
88	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3433-7	16.4	73
87	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3494-3498	3.6	19
86	Mobility of Proteins in Porous Substrates under Electrospray Ionization Conditions. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5585-9	7.8	22
85	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequence-Coded Polymer Barcodes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10880-10883	3.6	14
84	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequence-Coded Polymer Barcodes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10722-5	16.4	53
83	Analysis of Intrinsic Peptide Detectability via Integrated Label-Free and SRM-Based Absolute Quantitative Proteomics. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 2945-59	5.6	27
82	A Refined Model for Ionization of Small Molecules in Electrospray Mass Spectrometry. <i>Chemistry Letters</i> , <b>2016</b> , 45, 955-957	1.7	
81	Top-Down Hydrogen Exchange Mass Spectrometry. <b>2016</b> , 149-164		
80	Identification and Analysis of Protein Phosphorylation by Mass Spectrometry. <b>2016</b> , 17-87		1
79	Simple, cost-effective and sensitive liquid chromatography diode array detector method for simultaneous determination of eight sulfonyleurea herbicides in soya milk samples. <i>Journal of Chromatography A</i> , <b>2016</b> , 1473, 56-65	4.5	21
78	Evaluation of Gallium as a Tracer of Exogenous Hemoglobin-Haptoglobin Complexes for Targeted Drug Delivery Applications. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 2025-2032	3.5	7
77	Ionization Efficiency of Doubly Charged Ions Formed from Polyprotic Acids in Electrospray Negative Mode. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1211-8	3.5	6
76	Structure-response relationship in electrospray ionization-mass spectrometry of sartans by artificial neural networks. <i>Journal of Chromatography A</i> , <b>2016</b> , 1438, 123-32	4.5	21
75	Interactions of Intact Unfractionated Heparin with Its Client Proteins Can Be Probed Directly Using Native Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1711-8	7.8	18

74	ESI activity of Br <sup>-</sup> , BF <sub>4</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup> and BPh <sub>4</sub> <sup>-</sup> anions in the presence of Li <sup>+</sup> and NBu <sub>4</sub> <sup>+</sup> counter-ions. <i>Journal of Mass Spectrometry</i> , <b>2017</b> , 52, 144-151	2.2	
73	Peptide and Protein Bioanalysis Using Integrated Column-to-Source Technology for High-Flow Nanospray. <b>2017</b> , 45-54		1
72	Assessing the Interplay between the Physicochemical Parameters of Ion-Pairing Reagents and the Analyte Sequence on the Electrospray Desorption Process for Oligonucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 1647-1656	3.5	19
71	High-Efficiency Microflow and Nanoflow Negative Electrospray Ionization of Peptides Induced by Gas-Phase Proton Transfer Reactions. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4847-4854	7.8	5
70	A framework to estimate concentrations of potentially unknown substances by semi-quantification in liquid chromatography electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2017</b> , 975, 30-41	6.6	33
69	Physicochemical Parameters Affecting the Electrospray Ionization Efficiency of Amino Acids after Acylation. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9159-9166	7.8	23
68	Quantitative profiling of neurotransmitter abnormalities in brain, cerebrospinal fluid, and serum of experimental diabetic encephalopathy male rat. <i>Journal of Neuroscience Research</i> , <b>2018</b> , 96, 138-150	4.4	14
67	Artificial Intelligence Understands Peptide Observability and Assists With Absolute Protein Quantification. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1559	6.2	13
66	Response in Ambient Low Temperature Plasma Ionization Compared to Electrospray and Atmospheric Pressure Chemical Ionization for Mass Spectrometry. <i>International Journal of Analytical Chemistry</i> , <b>2018</b> , 2018, 5647536	1.4	6
65	Membrane Proteomics in Gram-Positive Bacteria: Two Complementary Approaches to Target the Hydrophobic Species of Proteins. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1841, 21-33	1.4	3
64	Peptidomic study of casein proteolysis in bovine milk by <i>Lactobacillus casei</i> PRA205 and <i>Lactobacillus rhamnosus</i> PRA331. <i>International Dairy Journal</i> , <b>2018</b> , 85, 237-246	3.5	20
63	A systematic approach toward comparing electrospray ionization efficiencies of derivatized and non-derivatized amino acids and biogenic amines. <i>Journal of Mass Spectrometry</i> , <b>2018</b> , 53, 997-1004	2.2	6
62	Assessing MS-based quantitation strategies for low-level impurities in peptide reference materials: application to angiotensin II. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 6963-6972	4.4	4
61	Ionisation efficiencies can be predicted in complicated biological matrices: A proof of concept. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1032, 68-74	6.6	7
60	Feasibility of Utilizing Stable-Isotope Dimethyl Labeling in Liquid Chromatography-Tandem Mass Spectrometry-Based Determination for Food Allergens-Case of Kiwifruit. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
59	Comprehensive comparison of ambient mass spectrometry with desorption electrospray ionization and direct analysis in real time for direct sample analysis. <i>Talanta</i> , <b>2019</b> , 203, 140-146	6.2	10
58	A comparative study of the electrospray ionization response of ED-4Qignin model compounds. <i>Journal of Mass Spectrometry</i> , <b>2019</b> , 54, 540-548	2.2	2
57	A Brief Overview of HPLC-MS Analysis of Alkyl Methylphosphonic Acid Degradation Products of Nerve Agents. <i>Journal of Chromatographic Science</i> , <b>2019</b> , 57, 606-617	1.4	4

56	Influence of Solvent Composition and Surface Tension on the Signal Intensity of Amino Acids in Electrospray Ionization Mass Spectrometry. <i>Mass Spectrometry</i> , <b>2019</b> , 8, A0077	1.7	4
55	Use of a Continuous Stirred Tank Reactor for the Determination of Electrospray Response Factors and Its Application to Underivatized Sugars Under Various Solvent Parameters. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 439-447	3.5	1
54	Pyrrolizidine alkaloids in honey: Quantification with and without standards. <i>Food Control</i> , <b>2019</b> , 98, 227-237	2.3	15
53	Quantitative shotgun proteome analysis by direct infusion. <i>Nature Methods</i> , <b>2020</b> , 17, 1222-1228	21.6	15
52	Influence of hydrophilic additives on the signal intensity in electrospray ionization of flavonoid glycosides. <i>Rapid Communications in Mass Spectrometry</i> , <b>2020</b> , 34, e8914	2.2	
51	Electrohydrodynamics of Gas-Assisted Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 2073-2085	3.5	2
50	: Streamlining Expansive Chemical Space Evaluation of Molecular Sets. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 6251-6257	6.1	0
49	New Approach Combining Molecular Fingerprints and Machine Learning to Estimate Relative Ionization Efficiency in Electrospray Ionization. <i>ACS Omega</i> , <b>2020</b> , 5, 9510-9516	3.9	5
48	Characterization of wines with liquid chromatography electrospray ionization mass spectrometry: Quantification of amino acids via ionization efficiency values. <i>Journal of Chromatography A</i> , <b>2020</b> , 1620, 461012	4.5	3
47	Evaluation of lipid quantification accuracy using HILIC and RPLC MS on the example of NIST SRM 1950 metabolites in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3573-3584	4.4	28
46	Matrix effects in the analysis of polar organic water contaminants with HILIC-ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4867-4879	4.4	2
45	Compensate for or Minimize Matrix Effects? Strategies for Overcoming Matrix Effects in Liquid Chromatography-Mass Spectrometry Technique: A Tutorial Review. <i>Molecules</i> , <b>2020</b> , 25,	4.8	35
44	Native Mass Spectrometry Can Effectively Predict PROTAC Efficacy. <i>ACS Central Science</i> , <b>2020</b> , 6, 1223-1238	2.8	12
43	Analysis of mobile chemicals in the aquatic environment-current capabilities, limitations and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4763-4784	4.4	14
42	Physicochemical Property Correlations with Ionization Efficiency in Capillary Vibrating Sharp-Edge Spray Ionization (cVSSI). <i>Journal of the American Society for Mass Spectrometry</i> , <b>2021</b> , 32, 84-94	3.5	2
41	30 Years of research on ESI/MS response: Trends, contradictions and applications. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1152, 238117	6.6	6
40	Peptide Correlation Analysis (PeCorA) Reveals Differential Proteoform Regulation. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 1972-1980	5.6	4
39	Characteristics of Electrospray-Ionization Detection of Synthetic Di- to Penta-Oligopeptides by Amine Derivatizations. <i>Analytical Sciences</i> , <b>2021</b> , 37, 1629-1632	1.7	

38	Desorption Electrospray Ionization (DESI) of Digital Polymers: Direct Tandem Mass Spectrometry Decoding and Imaging from Materials Surfaces. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001088	6.8	6
37	Mass spectrometry and the cellular surfaceome. <i>Mass Spectrometry Reviews</i> , <b>2021</b> ,	11	5
36	Analysis of Nucleosides and Nucleotides in Plants: An Update on Sample Preparation and LC-MS Techniques. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
35	Recent Advances in Mass Spectrometry-Based Glycomic and Glycoproteomic Studies of Pancreatic Diseases. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 707387	5	4
34	High-Resolution Native Mass Spectrometry. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	24
33	Quantitative electrospray ionization efficiency scale: 10 years after. <i>Rapid Communications in Mass Spectrometry</i> , <b>2021</b> , 35, e9178	2.2	2
32	Matrix Effects in Liquid Chromatography/Electrospray Ionization/Mass Spectrometry. 161-186		4
31	Monoacylation of Symmetrical Diamines in Charge Microdroplets. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2021</b> , 32, 531-536	3.5	8
30	Quantification for non-targeted LC/MS screening without standard substances. <i>Scientific Reports</i> , <b>2020</b> , 10, 5808	4.9	39
29	CHAPTER 1: Practical Considerations and Current Limitations in Quantitative Mass Spectrometry-based Proteomics. <i>New Developments in Mass Spectrometry</i> , <b>2014</b> , 1-25	2.3	4
28	A critical analysis of electrospray techniques for the determination of accelerated rates and mechanisms of chemical reactions in droplets. <i>Chemical Science</i> , <b>2020</b> , 11, 13026-13043	9.4	28
27	Polymeric Monolithic Capillary Columns in Proteomics. <b>2005</b> , 419-435		1
26	Electrospray Ionization Efficiency Is Dependent on Different Molecular Descriptors with Respect to Solvent pH and Instrumental Configuration. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167502	3.7	49
25	The applicability of molecular descriptors for designing an electrospray ionization mass spectrometry compatible library for drug discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2012</b> , 15, 806-15	1.3	8
24	Posttranslational Modification (PTM) of Proteins. 1-58		
23	Christie George Enke. <b>2015</b> , 64-66		
22	Integrated modeling of peptide digestion and detection for the prediction of proteotypic peptides in targeted proteomics.		
21	Detection of Discordant Peptide Quantities in Shotgun Proteomics Data by Peptide Correlation Analysis (PeCorA).		1



20	On the resolution, sensitivity and ion transmission efficiency of a planar FAIMS. <i>International Journal of Mass Spectrometry</i> , <b>2022</b> , 471, 116727	1.9	0
19	A comparison of nLC-ESI-MS/MS and nLC-MALDI-MS/MS for GeLC-based protein identification and iTRAQ-based shotgun quantitative proteomics. <i>Journal of Biomolecular Techniques</i> , <b>2007</b> , 18, 226-37	1.1	59
18	Quantitative non-targeted analysis: Bridging the gap between contaminant discovery and risk characterization.. <i>Environment International</i> , <b>2022</b> , 158, 107011	12.9	5
17	Role of Isotope Internal Standards and Matrix-matched Curves in the Analysis of Metribuzin and Its Metabolite Residues in Potato Tuber. <i>Food Analytical Methods</i> , 1	3.4	0
16	Machine Learning for Absolute Quantification of Unidentified Compounds in Non-Targeted LC/HRMS.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
15	Determination of the soybean allergen Gly m 6 and its stability in food processing using liquid chromatography-tandem mass spectrometry coupled with stable-isotope dimethyl labelling.. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2022</b> , 1-14	3.2	
14	Data_Sheet_1.ZIP. <b>2018</b> ,		
13	Presentation_1.PPTX. <b>2018</b> ,		
12	Presentation_2.PPTX. <b>2018</b> ,		
11	Presentation_3.PPTX. <b>2018</b> ,		
10	Standard-Free Quantification of Dicarboxylic Acids: Case Studies with Salt-Rich Effluents and Serum.. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2022</b> ,	3.5	
9	Correlation of theophylline levels in rat exhaled breath and lung tissue after its intravenous injection.. <i>Journal of Breath Research</i> , <b>2022</b> ,	3.1	
8	Formation of Gaseous Peptide Ions from Electrospray Droplets: Competition between the Ion Evaporation Mechanism and Charged Residue Mechanism.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	1
7	Chemical composition of secondary organic aerosol particles formed from mixtures of anthropogenic and biogenic precursors. <b>2022</b> , 22, 9799-9826		1
6	In a pursuit of optimal glycan fluorescent label for negative MS mode for high-throughput N-glycan analysis. 10,		0
5	Capturing Fleeting Intermediates in a Claisen Rearrangement Using Nonequilibrium Droplet Imbibition Reaction Conditions. <b>2022</b> , 94, 15093-15099		0
4	Evolutionary impact of codon specific translation errors at the proteome scale.		0
3	Nonempirical Prediction of the Relative Electrospray Ionization Efficiencies of Nitroanilines by Combined CBS-QB3 and SCC-DFTB Calculations. <b>2022</b> , 126, 8939-8944		0

- 2 Insight on physicochemical properties governing peptide MS1 response in HPLC-ESI-MS/MS proteomics: A deep learning approach. ○
- 1 Regarding the Influence of Additives and Additional Plasma-Induced Chemical Ionization on Adduct Formation in ESI/IMS/MS. ○