

Igor A Popov

List of Publications by Year in Descending Order

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

127 papers	1,671 citations	24 h-index	34 g-index
139 ext. papers	1,954 ext. citations	2.7 avg, IF	4.5 L-index

#	Paper	IF	Citations
127	Spherical Sampler Probes Enhance the Robustness of Ambient Ionization Mass Spectrometry for Rapid Drugs Screening.. <i>Molecules</i> , 2022 , 27,	4.8	2
126	Mass spectrometric studies of the variety of beta-amyloid proteoforms in Alzheimer's disease.. <i>Mass Spectrometry Reviews</i> , 2022 , e21775	11	0
125	Lipid Profiles of Human Brain Tumors Obtained by High-Resolution Negative Mode Ambient Mass Spectrometry. <i>Data</i> , 2021 , 6, 132	2.3	0
124	Rapid estimation of tumor cell percentage in brain tissue biopsy samples using inline cartridge extraction mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2913-2922	4.4	3
123	Comparison of Dimensionality Reduction Methods in Mass Spectra of Astrocytoma and Glioblastoma Tissues. <i>Mass Spectrometry</i> , 2021 , 10, A0094	1.7	1
122	The Role of Lipids in the Classification of Astrocytoma and Glioblastoma Using Mass Spectrometry Tumor Profiling. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2021 , 15, 153-160	0.4	1
121	Analysis of Phosphatidylcholines Alterations in Human Glioblastomas Ex Vivo. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2021 , 15, 241-247	0.4	1
120	Assessment of variation of inline cartridge extraction mass spectra. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4640	2.2	6
119	Echolocation of bats (Chiroptera Blumenbach, 1779) as an element of their ecological plasticity. <i>South of Russia: Ecology, Development</i> , 2021 , 15, 6-20	0.5	
118	Interactive Estimation of Heterogeneity from Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 3706-3709	7.8	1
117	The Dynamics of β Amyloid Proteoforms Accumulation in the Brain of a 5xFAD Mouse Model of Alzheimer's Disease.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1
116	Relative Quantitation of Beta-Amyloid Peptide Isomers with Simultaneous Isomerization of Multiple Aspartic Acid Residues by Matrix Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 164-168	3.5	4
115	Differential Diagnosis of Preeclampsia Based on Urine Peptidome Features Revealed by High Resolution Mass Spectrometry. <i>Diagnostics</i> , 2020 , 10,	3.8	3
114	Proteome Profiling of the Exhaled Breath Condensate after Long-Term Spaceflights. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
113	Metrics for evaluating the stability and reproducibility of mass spectra. <i>Scientific Reports</i> , 2019 , 9, 914	4.9	14
112	Unified representation of high- and low-resolution spectra to facilitate application of mass spectrometric techniques in clinical practice. <i>Clinical Mass Spectrometry</i> , 2019 , 12, 37-46	1.9	12
111	Evaluation of MALDI-TOF/TOF Mass Spectrometry Approach for Quantitative Determination of Aspartate Residue Isomerization in the Amyloid- β Peptide. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1325-1329	3.5	9

110	Relative quantitation of phosphatidylcholines with interfered masses of protonated and sodiated molecules by tandem and Fourier-transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2019 , 25, 259-264	1.1	2
109	An in vitro and in silico study on the antioxidant and cell culture-based study on the chemoprotective activities of fish muscle protein hydrolysates obtained from European seabass and gilthead seabream. <i>Food Chemistry</i> , 2019 , 271, 724-732	8.5	22
108	The Effects of Spaceflight Factors on the Human Plasma Proteome, Including Both Real Space Missions and Ground-Based Experiments. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
107	Probabilistic model applied to ion abundances in product-ion spectra: quantitative analysis of aspartic acid isomerization in peptides. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7783-7789	4.4	3
106	Untangling the Metabolic Reprogramming in Brain Cancer: Discovering Key Molecular Players Using Mass Spectrometry. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 1521-1534	3	10
105	Inline cartridge extraction for rapid brain tumor tissue identification by molecular profiling. <i>Scientific Reports</i> , 2019 , 9, 18960	4.9	8
104	Methodology for Urine Peptidome Analysis Based on Nano-HPLC Coupled to Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018 , 1719, 311-318	1.4	1
103	N-domain of angiotensin-converting enzyme hydrolyzes human and rat amyloid- β (1-16) peptides as arginine specific endopeptidase potentially enhancing risk of Alzheimer's disease. <i>Scientific Reports</i> , 2018 , 8, 298	4.9	8
102	Analytical Description of the H/D Exchange Kinetic of Macromolecule. <i>Analytical Chemistry</i> , 2018 , 90, 5116-5121	7.8	8
101	Investigation of bio-oil produced by hydrothermal liquefaction of food waste using ultrahigh resolution Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2018 , 24, 116-123	1.1	16
100	A Comparison of Tissue Spray and Lipid Extract Direct Injection Electrospray Ionization Mass Spectrometry for the Differentiation of Eutopic and Ectopic Endometrial Tissues. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 323-330	3.5	13
99	Direct Mass Spectrometry Differentiation of Ectopic and Eutopic Endometrium in Patients with Endometriosis. <i>Journal of Minimally Invasive Gynecology</i> , 2018 , 25, 426-433	2.2	20
98	Application of MALDI-TOF/TOF-MS for relative quantitation of β and β Asp7 isoforms of amyloid- β peptide. <i>European Journal of Mass Spectrometry</i> , 2018 , 24, 141-144	1.1	7
97	Thermal dissociation and H/D exchange of streptavidin tetramers at atmospheric pressure. <i>International Journal of Mass Spectrometry</i> , 2018 , 427, 100-106	1.9	3
96	Proteomic and lipidomic analysis of mammoth bone by high-resolution tandem mass spectrometry coupled with liquid chromatography. <i>European Journal of Mass Spectrometry</i> , 2018 , 24, 411-419	1.1	2
95	Structural Investigation of Biomacromolecules Using Ultrahigh-Resolution Mass Spectrometry and Isotope Exchange. <i>Russian Journal of Physical Chemistry B</i> , 2018 , 12, 599-604	1.2	2
94	The investigation of the bio-oil produced by hydrothermal liquefaction of <i>Spirulina platensis</i> using ultrahigh resolution Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 83-88	1.1	16
93	Thermal dissociation of ions limits the degree of the gas-phase H/D exchange at the atmospheric pressure. <i>Journal of Mass Spectrometry</i> , 2017 , 52, 204-209	2.2	7

92	Exhaled breath condensate analysis from intubated newborns by nano-HPLC coupled to high resolution MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1047, 97-105	3.2	20
91	Synthesis of carboxylated styrene polymer for internal calibration of Fourier transform ion cyclotron resonance mass-spectrometry of humic substances. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 156-161	1.1	10
90	Investigation of the ozonation products of natural complex mixtures using Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 152-155	1.1	4
89	Secondary structure of A(116) complexes with zinc: A study in the gas phase using deuterium/hydrogen exchange and ultra-high-resolution mass spectrometry. <i>Molecular Biology</i> , 2017 , 51, 627-632	1.2	
88	Endometriosis foci differentiation by rapid lipid profiling using tissue spray ionization and high resolution mass spectrometry. <i>Scientific Reports</i> , 2017 , 7, 2546	4.9	21
87	CID fragmentation, H/D exchange and supermetallization of Barnase-Barstar complex. <i>Scientific Reports</i> , 2017 , 7, 6176	4.9	3
86	Evaluation of plasma peptides extraction methods by high-resolution mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 209-212	1.1	1
85	Feature selection algorithm for spray-from-tissue mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 237-241	1.1	5
84	Label-free study of cosmonauts urinary proteome changes after long-duration spaceflights. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 225-229	1.1	9
83	Spaceflight induced changes in the human proteome. <i>Expert Review of Proteomics</i> , 2017 , 14, 15-29	4.2	15
82	Multi-label classification of brain tumor mass spectrometry data In pursuit of tumor boundary detection method 2017 ,		1
81	High-resolution mass spectra processing for the identification of different pathological tissue types of brain tumors. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 213-216	1.1	8
80	Editorial. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 129	1.1	
79	CHARACTERIZATION OF THE PROTEOMIC PROFILE OF COSMONAUTS URINE FOLLOWING LONG-DURATION SPACE MISSIONS USING A SEMIQUANTITATIVE APPROACH. <i>Aerospace and Environmental Medicine</i> , 2017 , 51, 17-23	1.6	2
78	Diagnosis of respiratory diseases using the proteomic analysis of exhaled breath condensate. <i>Pulmonologiya</i> , 2017 , 27, 187-197	0.8	
77	Localization of zinc binding sites of Ab1-16 with English mutation during formation of monomers and dimers with zinc. <i>International Journal of Mass Spectrometry</i> , 2016 , 409, 67-72	1.9	1
76	Early diagnosis of lung cancer based on proteome analysis of exhaled breath condensate. <i>Moscow University Chemistry Bulletin</i> , 2016 , 71, 134-139	0.5	6
75	Application of deuterium/hydrogen exchange to study the secondary structure of oligonucleotide ions in a gas phase. <i>High Energy Chemistry</i> , 2016 , 50, 427-432	0.9	

74	Proteomic analysis of exhaled breath condensate for diagnostics of respiratory system diseases. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2016 , 10, 230-234	0.4	3
73	Constant urinary proteins in healthy humans in a 520-day isolation experiment. <i>Human Physiology</i> , 2016 , 42, 760-765	0.3	
72	Characteristics of age-dependent changes in urine proteome in healthy men. <i>Advances in Gerontology</i> , 2016 , 6, 123-128	0.4	5
71	The effect of space flight on the protein composition of the exhaled breath condensate of cosmonauts. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2745-2750	1.7	3
70	Investigation of urine proteome of preterm newborns with respiratory pathologies. <i>Journal of Proteomics</i> , 2016 , 149, 31-37	3.9	6
69	Determination of proteomic and metabolic composition of exhaled breath condensate of newborns. <i>Molecular Biology</i> , 2016 , 50, 470-473	1.2	1
68	High desolvation temperature facilitates the ESI-source H/D exchange at non-labile sites of hydroxybenzoic acids and aromatic amino acids. <i>Analyst, The</i> , 2016 , 141, 2426-34	5	33
67	The investigation of the bitumen from ancient Greek amphora using FT ICR MS, H/D exchange and novel spectrum reduction approach. <i>Journal of Mass Spectrometry</i> , 2016 , 51, 430-6	2.2	22
66	Peculiarities of data interpretation upon direct tissue analysis by Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 123-6	1.1	7
65	Thermal desorption combined with atmospheric pressure photo ionization for the analysis of volatile compounds and its possible applications. <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 313-317	1.1	4
64	Atmospheric pressure thermal ionization ion source for peptide analysis. <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 307-311	1.1	1
63	Supermetallization of Substance P during electrospray ionization. <i>Mendeleev Communications</i> , 2016 , 26, 111-113	1.9	6
62	Proteomic Analysis of the Urine for Diagnostics in Newborns. <i>Bulletin of Experimental Biology and Medicine</i> , 2016 , 160, 867-70	0.8	0
61	The investigation of the birch tar using ultrahigh resolution Fourier transform ion cyclotron resonance mass spectrometry and Hydrogen/Deuterium exchange approach. <i>International Journal of Mass Spectrometry</i> , 2016 , 404, 29-34	1.9	19
60	An untargeted approach for the analysis of the urine peptidome of women with preeclampsia. <i>Journal of Proteomics</i> , 2016 , 149, 38-43	3.9	18
59	Deuterium/Hydrogen exchange reactions in peptides and polyatomic organic compounds, as studied on an ion cyclotron resonance mass spectrometer equipped with an ion trap with dynamic harmonization. <i>High Energy Chemistry</i> , 2016 , 50, 165-170	0.9	
58	Letter: Supermetallization of peptides and proteins with tetravalent metal Th(IV). <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 39-42	1.1	9
57	Letter: Electron-capture dissociation and collision-induced dissociation fragmentation of the supermetallized complexes of Substance P with potassium, cesium and silver. <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 91-5	1.1	2

56	Studying the Proteomic Composition of Expired Air Condensate in Newborns on Breathing Support. <i>Bulletin of Experimental Biology and Medicine</i> , 2016 , 160, 861-3	0.8	1
55	Evaporation of the charged droplets in the heating flow tube under atmospheric pressure: observation of the H/D exchange and supermetallization. <i>Mendeleev Communications</i> , 2016 , 26, 440-442 ^{1.9}		1
54	The use of H/D exchange for secondary structure characterization of supermetallized complexes of ubiquitin with cerium(III). <i>Russian Journal of Bioorganic Chemistry</i> , 2016 , 42, 484-490	1	1
53	Permanent proteins in the urine of healthy humans during the Mars-500 experiment. <i>Journal of Bioinformatics and Computational Biology</i> , 2015 , 13, 1540001	1	16
52	Synthesis of model humic substances: a mechanistic study using controllable H/D exchange and Fourier transform ion cyclotron resonance mass spectrometry. <i>Analyst, The</i> , 2015 , 140, 4708-19	5	38
51	A novel direct spray-from-tissue ionization method for mass spectrometric analysis of human brain tumors. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7797-805	4.4	33
50	Changes in spectral properties and composition of lipofuscin fluorophores from human-retinal-pigment epithelium with age and pathology. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1075-88	4.4	24
49	Letter: Observation of the ¹⁶ O/ ¹⁸ O exchange during electrospray ionization. <i>European Journal of Mass Spectrometry</i> , 2015 , 21, 109-13	1.1	21
48	Letter: Analytical potential of the in-electrospray ionization source hydrogen/deuterium exchange for the investigation of oligonucleotides. <i>European Journal of Mass Spectrometry</i> , 2015 , 21, 59-63	1.1	20
47	Observation of the multiple halogenation of peptides in the electrospray ionization source. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 899-905	2.2	1
46	Supermetallization of peptides and proteins during electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 1079-1087	2.2	25
45	Conformations of cationized linear oligosaccharides revealed by FTMS combined with in-ESI H/D exchange. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 1150-6	2.2	26
44	In ESI-source H/D exchange under atmospheric pressure for peptides and proteins of different molecular weights from 1 to 66 kDa: the role of the temperature of the desolvating capillary on H/D exchange. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 49-55	2.2	28
43	Application of de novo sequencing tools to study abiogenic peptide formations by tandem mass spectrometry. The case of homo-peptides from glutamic acid complicated by substitutions of hydrogen by sodium or potassium atoms. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 33-41	2.2	2
42	Estimation of phosphorylation level of amyloid-beta isolated from human blood plasma: Ultrahigh-resolution mass spectrometry. <i>Molecular Biology</i> , 2014 , 48, 607-614	1.2	6
41	The influence of different potassium and sodium ion concentrations on the rate of abiogenic peptide synthesis. <i>Paleontological Journal</i> , 2014 , 48, 339-344	0.6	0
40	Conformational changes of ubiquitin during electrospray ionization as determined by in-ESI source H/D exchange combined with high-resolution MS and ECD fragmentation. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 989-94	2.2	36
39	In-ESI source hydrogen/deuterium exchange of carbohydrate ions. <i>Analytical Chemistry</i> , 2014 , 86, 2595-600	4.0	47

38	Protein interactomics based on direct molecular fishing on paramagnetic particles: practical realization and further SPR validation. <i>Proteomics</i> , 2014 , 14, 2261-74	4.8	20
37	Enumeration of non-labile oxygen atoms in dissolved organic matter by use of $^{18}\text{O}/^{16}\text{O}$ exchange and Fourier transform ion-cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 6655-64	4.4	40
36	Twelve million resolving power on 4.7 T Fourier transform ion cyclotron resonance instrument with dynamically harmonized cell--observation of fine structure in peptide mass spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 790-9	3.5	26
35	Phosphorylation of Ser8 promotes zinc-induced dimerization of the amyloid- β -metal-binding domain. <i>Molecular BioSystems</i> , 2014 , 10, 2590-6		37
34	Molecular mapping of sorbent selectivities with respect to isolation of Arctic dissolved organic matter as measured by Fourier transform mass spectrometry. <i>Environmental Science & Technology</i> , 2014 , 48, 7461-8	10.3	67
33	Separation of tautomeric forms of [2-nitrophenylglucuronol-H]- by an in-electrospray ionization source hydrogen/deuterium exchange approach. <i>European Journal of Mass Spectrometry</i> , 2014 , 20, 345-9	1.1	25
32	Time-course human urine proteomics in space-flight simulation experiments. <i>BMC Genomics</i> , 2014 , 15 Suppl 12, S2	4.5	20
31	P4-028: ZINC-INDUCED DIMERS OF CHEMICALLY MODIFIED A β ARE POSSIBLE AGGREGATION SEEDS 2014 , 10, P793-P793		1
30	ESI-MS identification of the minimal zinc-binding center in natural isoforms of β -amyloid domain 1-16. <i>Molecular Biology</i> , 2013 , 47, 440-445	1.2	9
29	Enumeration of labile hydrogens in natural organic matter by use of hydrogen/deuterium exchange Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 11007-13	7.8	53
28	New step towards artificial photosynthesis: Photogeneration of organic compounds in the inorganic carbon-hydrogen peroxide-phthalocyanine system. <i>Doklady Physical Chemistry</i> , 2013 , 453, 275-278	9.8	98
27	Detection of renal and urinary tract proteins in urine before and after space flight. <i>Human Physiology</i> , 2013 , 39, 535-539	0.3	1
26	Changes of protein profile of human urine after long-term orbital flights. <i>Bulletin of Experimental Biology and Medicine</i> , 2013 , 156, 201-4	0.8	1
25	Mass spectrometric identification of posttranslational modifications in transthyretin from human blood. <i>Molecular Biology</i> , 2013 , 47, 885-893	1.2	10
24	Simple atmospheric hydrogen/deuterium exchange method for enumeration of labile hydrogens by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 5330-4	7.8	69
23	Potassium ions are more effective than sodium ions in salt induced peptide formation. <i>Origins of Life and Evolution of Biospheres</i> , 2013 , 43, 109-17	1.5	26
22	Signal enhancement in electrospray laser desorption/ionization mass spectrometry by using a black oxide-coated metal target and a relatively low laser fluence. <i>European Journal of Mass Spectrometry</i> , 2013 , 19, 247-52	1.1	9
21	Detection of renal tissue and urinary tract proteins in the human urine after space flight. <i>PLoS ONE</i> , 2013 , 8, e71652	3.7	19

20	Ambient molecular imaging of dry fungus surface by electrospray laser desorption ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2012 , 325-327, 172-182	1.9	32
19	Oxidation of phenylphosphonites with aqueous hydrogen peroxide. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 1374-1381	0.7	1
18	High-resolution mass-spectrometry analysis of peptides and proteins. <i>Russian Chemical Reviews</i> , 2012 , 81, 1051-1070	6.8	6
17	Changes in urine protein composition in human organism during long term space flights. <i>Acta Astronautica</i> , 2012 , 81, 430-434	2.9	8
16	Capabilities of MS for analytical quantitative determination of the ratio of β and Δ Asp7 isoforms of the amyloid- β peptide in binary mixtures. <i>Analytical Chemistry</i> , 2011 , 83, 3205-10	7.8	28
15	Light stress photodynamics of chlorophyll-binding proteins in Arabidopsis thaliana thylakoid membranes revealed by high-resolution mass spectrometric studies. <i>Russian Journal of Bioorganic Chemistry</i> , 2011 , 37, 119-31	1	4
14	Identification of single amino acid polymorphisms in MS/MS spectra of peptides. <i>Doklady Biochemistry and Biophysics</i> , 2011 , 437, 90-3	0.8	2
13	Phosphorylation and nitration levels of photosynthetic proteins are conversely regulated by light stress. <i>Plant Molecular Biology</i> , 2011 , 77, 461-73	4.6	39
12	Mass spectrometric characterization of photooxidative protein modifications in Arabidopsis thaliana thylakoid membranes. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 184-90	2.2	43
11	Accurate mass tag retention time database for urine proteome analysis by chromatography--mass spectrometry. <i>Biochemistry (Moscow)</i> , 2010 , 75, 636-41	2.9	14
10	Optimization of ionization conditions for analysis of humic substances from natural waters using Electrospray Ionization Fourier Transform Ion Cyclotron Resonance mass spectrometry (ESI FTICR MS). <i>Moscow University Chemistry Bulletin</i> , 2010 , 65, 300-303	0.5	
9	Mass spectrometric monitoring of exhaled breath condensate proteome of a patient after lung transplantation. <i>Russian Chemical Bulletin</i> , 2010 , 59, 292-296	1.7	8
8	Use of models of biomacromolecule separation in AMT database generation for shotgun proteomics. <i>Biochemistry (Moscow)</i> , 2009 , 74, 1195-202	2.9	8
7	Total mass difference statistics algorithm: a new approach to identification of high-mass building blocks in electrospray ionization Fourier transform ion cyclotron mass spectrometry data of natural organic matter. <i>Analytical Chemistry</i> , 2009 , 81, 10106-15	7.8	57
6	Proteomics of exhaled breath: methodological nuances and pitfalls. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 706-12	5.9	39
5	The N-domain of angiotensin-converting enzyme specifically hydrolyzes the Arg-5-His-6 bond of Alzheimer's β peptide and its isoAsp-7 analogue with different efficiency as evidenced by quantitative matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 231-9	2.2	44
4	Isomerization of the Asp7 residue results in zinc-induced oligomerization of Alzheimer's disease amyloid β (1-16) peptide. <i>ChemBioChem</i> , 2008 , 9, 1564-7	3.8	55
3	In situ recognition of molecular chirality by mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 347-358	1.9	6

2	Detection of explosives on solid surfaces by thermal desorption and ambient ion/molecule reactions. <i>Chemical Communications</i> , 2005 , 1953-5	5.8	14
1	Mineral composition modelling of natural surface water. <i>International Journal of Environmental Analytical Chemistry</i> , 1-12	1.8	