

Evgeny N Nikolaev

List of Publications by Year in descending order

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Version: 2024-02-01

210
papers

4,846
citations

94433

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h-index

144013

57
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221
all docs

221
docs citations

221
times ranked

3950
citing authors

#	ARTICLE	IF	CITATIONS
1	The Parallel Reaction Monitoring-Parallel Accumulation-Serial Fragmentation (prm-PASEF) Approach for Multiplexed Absolute Quantitation of Proteins in Human Plasma. <i>Analytical Chemistry</i> , 2022, 94, 2016-2022.	6.5	26
2	Oxygen Isotope Exchange Reaction for Untargeted LC-MS Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 390-398.	2.8	7
3	Aromaticity Index with Improved Estimation of Carboxyl Group Contribution for Biogeochemical Studies. <i>Environmental Science & Technology</i> , 2022, 56, 2729-2737.	10.0	9
4	Increasing the reliability of compound identification in biological samples using 16O/18O-exchange mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2537.	3.7	5
5	Combined Impact of Magnetic Force and Spaceflight Conditions on Escherichia coli Physiology. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1837.	4.1	8
6	The lightweight spherical samplers for simplified collection, storage, and ambient ionization of drugs from saliva and blood. <i>Acta Astronautica</i> , 2022, 195, 556-560.	3.2	3
7	PyFragMS- A Web Tool for the Investigation of the Collision-Induced Fragmentation Pathways. <i>ACS Omega</i> , 2022, 7, 9710-9719.	3.5	7
8	Analysis of 16O/18O and H/D Exchange Reactions between Carbohydrates and Heavy Water Using High-Resolution Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3585.	4.1	4
9	The Dynamics of β^2 -Amyloid Proteoforms Accumulation in the Brain of a 5xFAD Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 27.	4.1	7
10	Determination of Brain Tissue Samples Storage Conditions for Reproducible Intraoperative Lipid Profiling. <i>Molecules</i> , 2022, 27, 2587.	3.8	2
11	Impact of ozone treatment on dissolved organic matter in land-based recirculating aquaculture systems studied by Fourier transform ion cyclotron resonance mass spectrometry. <i>Science of the Total Environment</i> , 2022, 843, 157009.	8.0	9
12	How to Increase Further the Resolving Power of the Ultrahigh Magnetic Field FT ICR Instruments? The New Concept of the FT ICR Cell- the Open Dynamically Harmonized Cell as a Part of the Vacuum System Wall. <i>Analytical Chemistry</i> , 2021, 93, 1249-1253.	6.5	6
13	Assessment of variation of inline cartridge extraction mass spectra. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4640.	1.6	14
14	Interactive Estimation of Heterogeneity from Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 3706-3709.	6.5	1
15	Vertical Transmission of SARS-CoV-2 in Second Trimester Associated with Severe Neonatal Pathology. <i>Viruses</i> , 2021, 13, 447.	3.3	27
16	Comparison of Dimensionality Reduction Methods in Mass Spectra of Astrocytoma and Glioblastoma Tissues. <i>Mass Spectrometry</i> , 2021, 10, A0094-A0094.	0.6	4
17	Gausemycins A, B: Cyclic Lipoglycopeptides from <i>Streptomyces</i> sp. **. <i>Angewandte Chemie</i> , 2021, 133, 18842-18851.	2.0	1
18	Gausemycins A, B: Cyclic Lipoglycopeptides from <i>Streptomyces</i> sp. **. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18694-18703.	13.8	14

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19	Innentitelbild: Gausemycinsâ€¦A,B: Cyclic Lipoglycopeptides from <i>Streptomyces</i> sp. (Angew. Chem.) Tj ETQg1 1 0.784314 rgB	2.0	1
20	Analysis of the Bio-oil Produced by the Hydrothermal Liquefaction of Biomass Using High-Resolution Mass Spectrometry and Isotope Exchange. Energy & Fuels, 2021, 35, 12208-12215.	5.1	6
21	Relation between lignin molecular profile and fungal exo-proteome during kraft lignin modification by <i>Trametes hirsuta</i> LE-BIN 072. Bioresource Technology, 2021, 335, 125229.	9.6	13
22	Mass spectrometry based proteome profiling of the exhaled breath condensate for lung cancer biomarkers search. Expert Review of Proteomics, 2021, 18, 637-642.	3.0	5
23	Inhibition of Class A β -Lactamase (TEM-1) by Narrow Fractions of Humic Substances. ACS Omega, 2021, 6, 23873-23883.	3.5	6
24	Characteristics of blood proteome changes in hemorrhagic syndrome after head-up tilt test during 21-day Dry Immersion. Acta Astronautica, 2021, 189, 158-165.	3.2	1
25	Directed Synthesis of Humic and Fulvic Derivatives with Enhanced Antioxidant Properties. Agronomy, 2021, 11, 2047.	3.0	5
26	Structure-Preserving and Perceptually Consistent Approach for Visualization of Mass Spectrometry Imaging Datasets. Analytical Chemistry, 2021, 93, 1677-1685.	6.5	3
27	Blood Plasma Proteins Associated With Heart Rate Variability in Cosmonauts Who Have Completed Long-Duration Space Missions. Frontiers in Physiology, 2021, 12, 760875.	2.8	2
28	Lipid Profiles of Human Brain Tumors Obtained by High-Resolution Negative Mode Ambient Mass Spectrometry. Data, 2021, 6, 132.	2.3	3
29	Feature selection for OPLS discriminant analysis of cancer tissue lipidomics data. Journal of Mass Spectrometry, 2020, 55, e4457.	1.6	10
30	Evaluation of major historical ICR cell designs using electric field simulations. Mass Spectrometry Reviews, 2020, , .	5.4	6
31	Differential Diagnosis of Preeclampsia Based on Urine Peptidome Features Revealed by High Resolution Mass Spectrometry. Diagnostics, 2020, 10, 1039.	2.6	9
32	Semiquantitative Proteomic Research of Protein Plasma Profile of Volunteers in 21-Day Head-Down Bed Rest. Frontiers in Physiology, 2020, 11, 678.	2.8	2
33	Novel Mass Spectrometric Utilities for Assisting in Oncological Surgery. Russian Journal of Physical Chemistry B, 2020, 14, 483-487.	1.3	7
34	Mass-Spectrometric Detection of SARS-CoV-2 Virus in Scrapings of the Epithelium of the Nasopharynx of Infected Patients via Nucleocapsid N Protein. Journal of Proteome Research, 2020, 19, 4393-4397.	3.7	87
35	Refinement of Compound Aromaticity in Complex Organic Mixtures by Stable Isotope Label Assisted Ultrahigh-Resolution Mass Spectrometry. Analytical Chemistry, 2020, 92, 9032-9038.	6.5	10
36	Fourier transform ion cyclotron resonance mass spectrometry for the analysis of molecular composition and batch-to-batch consistency of plant-derived polyphenolic ligands developed for biomedical application. Rapid Communications in Mass Spectrometry, 2020, 34, e8850.	1.5	5

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37	Hydrogen/Deuterium and ¹⁶ O/ ¹⁸ O-Exchange Mass Spectrometry Boosting the Reliability of Compound Identification. <i>Analytical Chemistry</i> , 2020, 92, 6877-6885.	6.5	14
38	The Effect of Five-Day Dry Immersion on the Nervous and Metabolic Mechanisms of the Circulatory System. <i>Frontiers in Physiology</i> , 2020, 11, 692.	2.8	6
39	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.	2.8	6
40	Optical Properties of Soil Dissolved Organic Matter Are Related to Acidic Functions of Its Components as Revealed by Fractionation, Selective Deuteromethylation, and Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2020, 54, 2667-2677.	10.0	33
41	Photoreactivity of humic-like polyphenol material under irradiation with different wavelengths explored by FTICR MS and deuteromethylation. <i>European Journal of Mass Spectrometry</i> , 2020, 26, 292-300.	1.0	2
42	Interlaboratory comparison of humic substances compositional space as measured by Fourier transform ion cyclotron resonance mass spectrometry (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2020, 92, 1447-1467.	1.9	15
43	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, 3194.	4.1	25
44	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.	3.7	5
45	Examination of molecular space and feasible structures of bioactive components of humic substances by FTICR MS data mining in ChEMBL database. <i>Scientific Reports</i> , 2019, 9, 12066.	3.3	25
46	Hydrogen/Deuterium Exchange Aiding Compound Identification for LC-MS and MALDI Imaging Lipidomics. <i>Analytical Chemistry</i> , 2019, 91, 13465-13474.	6.5	18
47	Fundamentals and simulations in FT-ICR-MS. , 2019, , 89-111.		2
48	Proteome Profiling of the Exhaled Breath Condensate after Long-Term Spaceflights. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4518.	4.1	11
49	Label-free cervicovaginal fluid proteome profiling reflects the cervix neoplastic transformation. <i>Journal of Mass Spectrometry</i> , 2019, 54, 693-703.	1.6	17
50	Evaluation of MALDI-TOF/TOF Mass Spectrometry Approach for Quantitative Determination of Aspartate Residue Isomerization in the Amyloid- β^2 Peptide. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1325-1329.	2.8	12
51	Analytical Solution for the Electric Field Inside Dynamically Harmonized FT-ICR Cell. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 778-786.	2.8	3
52	Urine proteome changes associated with autonomic regulation of heart rate in cosmonauts. <i>BMC Systems Biology</i> , 2019, 13, 17.	3.0	8
53	The molecular mechanisms driving physiological changes after long duration space flights revealed by quantitative analysis of human blood proteins. <i>BMC Medical Genomics</i> , 2019, 12, 45.	1.5	6
54	Inline cartridge extraction for rapid brain tumor tissue identification by molecular profiling. <i>Scientific Reports</i> , 2019, 9, 18960.	3.3	18

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55	IDENTIFICATION OF BIOMARKERS OF RENAL PARENCHYMA DAMAGE IN THE URINE OF PATIENTS WITH CHRONIC PYELONEPHRITIS BY ELISA AND MASS SPECTROMETRY METHODS. <i>Medical Immunology (Russia)</i> , 2019, 21, 341-350.	0.4	1
56	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.	0.9	1
57	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.	3.3	12
58	Dichloromethane as solvent and reagent: a case study of photoinduced reactions in mixed phosphonium-iodonium ylide. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3844.	1.9	11
59	Mass spectrometry analysis of the diversity of A β peptides: difficulties and future perspectives for AD biomarker discovery. <i>Expert Review of Proteomics</i> , 2018, 15, 773-775.	3.0	15
60	Dissection of the deep-blue autofluorescence changes accompanying amyloid fibrillation. <i>Archives of Biochemistry and Biophysics</i> , 2018, 651, 13-20.	3.0	46
61	Influence of solvent on the yield and chemical composition of liquid products of hydrothermal liquefaction of <i>Arthrospira platensis</i> as revealed by Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 363-374.	1.0	8
62	Hydrogen/deuterium exchange in mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2018, 37, 811-853.	5.4	80
63	Novel water-soluble lignin derivative BP-Cx-1: identification of components and screening of potential targets <i>in silico</i> and <i>in vitro</i> . <i>Oncotarget</i> , 2018, 9, 18578-18593.	1.8	29
64	Protein expression changes caused by spaceflight as measured for 18 Russian cosmonauts. <i>Scientific Reports</i> , 2017, 7, 8142.	3.3	22
65	Spaceflight induced changes in the human proteome. <i>Expert Review of Proteomics</i> , 2017, 14, 15-29.	3.0	23
66	Fourier transform ion cyclotron resonance (FT ICR) mass spectrometry: Theory and simulations. <i>Mass Spectrometry Reviews</i> , 2016, 35, 219-258.	5.4	147
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, 430-436.	1.6	24
68	Atmospheric Pressure Thermal Ionization Ion Source for Peptide Analysis. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 307-311.	1.0	1
69	Supermetallization of Substance P during electrospray ionization. <i>Mendeleev Communications</i> , 2016, 26, 111-113.	1.6	6
70	Proteomic Analysis of the Urine for Diagnostics in Newborns. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 867-870.	0.8	1
71	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.	1.5	19
72	Extraction of humic substances from fresh waters on solid-phase cartridges and their study by Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2016, 71, 372-378.	0.9	19

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73	Deuteriumâ€“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. High Energy Chemistry, 2016, 50, 165-170.	0.9	0
74	Supermetallization of Peptides and Proteins with Tetravalent Metal Th(IV). European Journal of Mass Spectrometry, 2016, 22, 39-42.	1.0	9
75	Studying the Proteomic Composition of Expired Air Condensate in Newborns on Breathing Support. Bulletin of Experimental Biology and Medicine, 2016, 160, 861-863.	0.8	1
76	Evaporation of the charged droplets in the heating flow tube under atmospheric pressure: observation of the H/D exchange and supermetallization. Mendeleev Communications, 2016, 26, 440-442.	1.6	1
77	Molecular compositions of humic acids extracted from leonardite and lignite as determined by Fourier transform ion cyclotron resonance mass spectrometry. Mendeleev Communications, 2016, 26, 446-448.	1.6	30
78	Early diagnosis of lung cancer based on proteome analysis of exhaled breath condensate. Moscow University Chemistry Bulletin, 2016, 71, 134-139.	0.6	8
79	Investigation of urine proteome of preterm newborns with respiratory pathologies. Journal of Proteomics, 2016, 149, 31-37.	2.4	11
80	Determination of proteomic and metabolic composition of exhaled breath condensate of newborns. Molecular Biology, 2016, 50, 470-473.	1.3	1
81	Expression and characterization of a new esterase with GCSAG motif from a permafrost metagenomic library. FEMS Microbiology Ecology, 2016, 92, fiw046.	2.7	39
82	High desolvation temperature facilitates the ESI-source H/D exchange at non-labile sites of hydroxybenzoic acids and aromatic amino acids. Analyst, The, 2016, 141, 2426-2434.	3.5	35
83	Effect of Magnetic Field Inhomogeneity on Ion Cyclotron Motion Coherence at High Magnetic Field. European Journal of Mass Spectrometry, 2015, 21, 443-449.	1.0	5
84	Letter: Observation of the $^{16}\text{O}/^{18}\text{O}$ Exchange during Electrospray Ionization. European Journal of Mass Spectrometry, 2015, 21, 109-113.	1.0	21
85	Analytical Potential of the In-Electrospray Ionization Source Hydrogen/Deuterium Exchange for the Investigation of Oligonucleotides. European Journal of Mass Spectrometry, 2015, 21, 59-63.	1.0	20
86	Observation of the multiple halogenation of peptides in the electrospray ionization source. Journal of Mass Spectrometry, 2015, 50, 899-905.	1.6	1
87	Supermetallization of peptides and proteins during electrospray ionization. Journal of Mass Spectrometry, 2015, 50, 1079-1087.	1.6	29
88	Conformations of cationized linear oligosaccharides revealed by FTMS combined with inâ€“ESI H/D exchange. Journal of Mass Spectrometry, 2015, 50, 1150-1156.	1.6	30
89	Tracking the Magnetron Motion in FT-ICR Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2015, 26, 1349-1366.	2.8	19
90	Reactions on single-walled nanotubes: 1. Radiation-stimulated reactions in aqueous suspensions of single-walled carbon nanotubes in surfactant solutions. High Energy Chemistry, 2015, 49, 48-52.	0.9	4

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91	Ubiquitin-independent proteosomal degradation of myelin basic protein contributes to development of neurodegenerative autoimmunity. <i>FASEB Journal</i> , 2015, 29, 1901-1913.	0.5	39
92	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.	1.6	30
93	Reactions on single-walled nanotubes: 2. Reactions on the nanosized surface of nanotubes in liquid hydrocyanic acid. <i>High Energy Chemistry</i> , 2015, 49, 53-57.	0.9	3
94	Permanent proteins in the urine of healthy humans during the Mars-500 experiment. <i>Journal of Bioinformatics and Computational Biology</i> , 2015, 13, 1540001.	0.8	17
95	Synthesis of model humic substances: a mechanistic study using controllable H/D exchange and Fourier transform ion cyclotron resonance mass spectrometry. <i>Analyst</i> , The, 2015, 140, 4708-4719.	3.5	43
96	A novel direct spray-from-tissue ionization method for mass spectrometric analysis of human brain tumors. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7797-7805.	3.7	37
97	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, 1075-1088.	3.7	32
98	Some notes about FT ICR mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 421-431.	1.5	11
99	Application of <i>de novo</i> 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.	1.5	2
100	Estimation of phosphorylation level of amyloid-beta isolated from human blood plasma: Ultrahigh-resolution mass spectrometry. <i>Molecular Biology</i> , 2014, 48, 607-614.	1.3	8
101	The influence of different potassium and sodium ion concentrations on the rate of abiogenic peptide synthesis. <i>Paleontological Journal</i> , 2014, 48, 339-344.	0.5	1
102	Conformational changes of ubiquitin during electrospray ionization as determined by in-source H/D exchange combined with high-resolution MS and ECD fragmentation. <i>Journal of Mass Spectrometry</i> , 2014, 49, 989-994.	1.6	40
103	In-ESI Source Hydrogen/Deuterium Exchange of Carbohydrate Ions. <i>Analytical Chemistry</i> , 2014, 86, 2595-2600.	6.5	55
104	Enumeration of non-labile oxygen atoms in dissolved organic matter by use of 16O/18O exchange and Fourier transform ion-cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6655-6664.	3.7	46
105	Twelve Million Resolving Power on 4.7 Å 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, 790-799.	2.8	32
106	Equal impact of diffusion and DNA binding rates on the potential spatial distribution of nuclear factor κ B transcription factor inside the nucleus. <i>Biochemistry (Moscow)</i> , 2014, 79, 577-580.	1.5	0
107	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, 7461-7468.	10.0	86
108	Letter: Separation of Tautomeric Forms of [2-Nitrophenol-H] ⁺ by an in-Electrospray Ionization Source Hydrogen/Deuterium Exchange Approach. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 345-349.	1.0	25

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109	Time-course human urine proteomics in space-flight simulation experiments. <i>BMC Genomics</i> , 2014, 15, S2.	2.8	35
110	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.	1.3	12
111	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, 11007-11013.	6.5	60
112	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.	0.9	0
113	Changes of Protein Profile of Human Urine after Long-Term Orbital Flights. <i>Bulletin of Experimental Biology and Medicine</i> , 2013, 156, 201-204.	0.8	1
114	Mass spectrometric identification of posttranslational modifications in transthyretin from human blood. <i>Molecular Biology</i> , 2013, 47, 885-893.	1.3	12
115	Chemical polysialylation of human recombinant butyrylcholinesterase delivers a long-acting bioscavenger for nerve agents in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1243-1248.	7.1	79
116	Simple Atmospheric Hydrogen/Deuterium Exchange Method for Enumeration of Labile Hydrogens by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 5330-5334.	6.5	80
117	Potassium Ions are More Effective than Sodium Ions in Salt Induced Peptide Formation. <i>Origins of Life and Evolution of Biospheres</i> , 2013, 43, 109-117.	1.9	33
118	Influences of non-neutral plasma effects on analytical characteristics of the top instruments in mass spectrometry for biological research. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	4
119	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, 247-252.	1.0	9
120	Detection of Renal and Urinary Tract Proteins Before and After Spaceflight. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 859-863.	0.5	4
121	Detection of Renal Tissue and Urinary Tract Proteins in the Human Urine after Space Flight. <i>PLoS ONE</i> , 2013, 8, e71652.	2.5	24
122	Photocycloaddition reaction between 7,7,9-trimethyl-6,7-dihydrofuro[3,2-f]quinoline and thymidine 5'-monophosphate. <i>High Energy Chemistry</i> , 2012, 46, 358-362.	0.9	2
123	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.	1.5	33
124	Modelling of prebiotic synthesis and selection of peptides under isothermal conditions and thermal cycling mode. <i>Russian Chemical Bulletin</i> , 2012, 61, 422-441.	1.5	4
125	Analysis of phase dependent frequency shifts in simulated FTMS transients using the filter diagonalization method. <i>International Journal of Mass Spectrometry</i> , 2012, 325-327, 19-24.	1.5	21
126	Dynamically Harmonized FT-ICR Cell with Specially Shaped Electrodes for Compensation of Inhomogeneity of the Magnetic Field. <i>Computer Simulations of the Electric Field and Ion Motion Dynamics</i> . <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2198-2207.	2.8	45

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127	Oxidation of phenylphosphonites with aqueous hydrogen peroxide. Russian Journal of General Chemistry, 2012, 82, 1374-1381.	0.8	1
128	High-resolution mass-spectrometry analysis of peptides and proteins. Russian Chemical Reviews, 2012, 81, 1051-1070.	6.5	9
129	Changes in urine protein composition in human organism during long term space flights. Acta Astronautica, 2012, 81, 430-434.	3.2	8
130	Fine Structure in Isotopic Peak Distributions Measured Using a Dynamically Harmonized Fourier Transform Ion Cyclotron Resonance Cell at 7 T. Analytical Chemistry, 2012, 84, 2275-2283.	6.5	65
131	Absorption mode spectra on the dynamically harmonized Fourier transform ion cyclotron resonance cell. Rapid Communications in Mass Spectrometry, 2012, 26, 2021-2026.	1.5	36
132	Performance of Orbitrap Mass Analyzer at Various Space Charge and Non-Ideal Field Conditions: Simulation Approach. Journal of the American Society for Mass Spectrometry, 2012, 23, 977-987.	2.8	43
133	Fourier Transform Ion Cyclotron Resonance Mass Resolution and Dynamic Range Limits Calculated by Computer Modeling of Ion Cloud Motion. Journal of the American Society for Mass Spectrometry, 2012, 23, 375-384.	2.8	45
134	Capabilities of MS for Analytical Quantitative Determination of the Ratio of β - and β -Asp7 Isoforms of the Amyloid- β Peptide in Binary Mixtures. Analytical Chemistry, 2011, 83, 3205-3210.	6.5	35
135	The youngest natural oil on earth. Doklady Chemistry, 2011, 438, 144-147.	0.9	15
136	Light stress photodynamics of chlorophyll-binding proteins in Arabidopsis thaliana thylakoid membranes revealed by high-resolution mass spectrometric studies. Russian Journal of Bioorganic Chemistry, 2011, 37, 105-118.	1.0	4
137	Mass spectrometric study of the mechanism of the ionization of nitrogen-containing organic compounds on the surface of a molybdenum microalloyed alloy. Russian Journal of Physical Chemistry B, 2011, 5, 689-700.	1.3	3
138	Phosphorylation and nitration levels of photosynthetic proteins are conversely regulated by light stress. Plant Molecular Biology, 2011, 77, 461-473.	3.9	49
139	Initial Experimental Characterization of a New Ultra-High Resolution FTICR Cell with Dynamic Harmonization. Journal of the American Society for Mass Spectrometry, 2011, 22, 1125-1133.	2.8	141
140	Fourier transform ion cyclotron resonance cell with dynamic harmonization of the electric field in the whole volume by shaping of the excitation and detection electrode assembly. Rapid Communications in Mass Spectrometry, 2011, 25, 122-126.	1.5	92
141	Mass spectrometric characterization of photooxidative protein modifications in <i>Arabidopsis thaliana</i> thylakoid membranes. Rapid Communications in Mass Spectrometry, 2011, 25, 184-190.	1.5	52
142	Optimization of ionization conditions for analysis of humic substances from natural waters using Electrospray Ionization Fourier Transform Ion Cyclotron Resonance mass spectrometry (ESI FTICR) Tj ETQq0 0 0 rgBT4 Overlock 10 Tf 50		
143	Mass spectrometric monitoring of exhaled breath condensate proteome of a patient after lung transplantation. Russian Chemical Bulletin, 2010, 59, 292-296.	1.5	11
144	Simple Synthesis of Ruthenium π -Complexes of Aromatic Amino Acids and Small Peptides. Chemistry - A European Journal, 2010, 16, 8466-8470.	3.3	41

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146	Diastereoselective lithium salt-assisted 1,3-dipolar cycloaddition of azomethine ylides to the fullerene C60. <i>Tetrahedron</i> , 2010, 66, 3037-3041.	1.9	16
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