

Alexey Kononikhin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Simple Atmospheric Hydrogen/Deuterium Exchange Method for Enumeration of Labile Hydrogens by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 5330-5334.	3.2	80
2	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.	3.2	60
3	In-ESI Source Hydrogen/Deuterium Exchange of Carbohydrate Ions. <i>Analytical Chemistry</i> , 2014, 86, 2595-2600.	3.2	55
4	Enumeration of non-labile oxygen atoms in dissolved organic matter by use of $^{16}\text{O}/^{18}\text{O}$ exchange and Fourier transform ion-cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6655-6664.	1.9	46
5	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, 989-994.	0.7	40
6	Enumeration of carboxyl groups carried on individual components of humic systems using deuteromethylation and Fourier transform mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2477-2488.	1.9	38
7	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.	1.9	37
8	High desolvation temperature facilitates the ESI-source H/D exchange at non-labile sites of hydroxybenzoic acids and aromatic amino acids. <i>Analyst</i> , 2016, 141, 2426-2434.	1.7	35
9	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.	4.6	33
10	Conformations of cationized linear oligosaccharides revealed by FTMS combined with in-ESI H/D exchange. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1150-1156.	0.7	30
11	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.	0.7	30
12	Supermetallization of peptides and proteins during electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1079-1087.	0.7	29
13	Direct Mass Spectrometry Differentiation of Ectopic and Eutopic Endometrium in Patients with Endometriosis. <i>Journal of Minimally Invasive Gynecology</i> , 2018, 25, 426-433.	0.3	26
14	Letter: Separation of Tautomeric Forms of [2-Nitrophenol] by an in-Electrospray Ionization Source Hydrogen/Deuterium Exchange Approach. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 345-349.	0.5	25
15	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.	0.7	24
16	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.	0.5	24
17	Letter: Observation of the $^{16}\text{O}/^{18}\text{O}$ Exchange during Electrospray Ionization. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 109-113.	0.5	21
18	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.	0.5	20

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19	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.	0.7	19
20	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.	0.5	18
21	Ozone-induced damage of fibrinogen molecules: identification of oxidation sites by high-resolution mass spectrometry. <i>Free Radical Research</i> , 2019, 53, 430-455.	1.5	17
22	Oxidation-induced modifications of the catalytic subunits of plasma fibrin-stabilizing factor at the different stages of its activation identified by mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 875-884.	1.1	14
23	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.	1.2	13
24	Separation of Benzoic and Unconjugated Acidic Components of Leonardite Humic Material Using Sequential Solid-Phase Extraction at Different pH Values as Revealed by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry and Correlation Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12179-12187.	2.4	13
25	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.	0.5	12
26	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.	0.5	9
27	Supermetallization of Peptides and Proteins with Tetravalent Metal Th(IV). <i>European Journal of Mass Spectrometry</i> , 2016, 22, 39-42.	0.5	9
28	Analytical Description of the H/D Exchange Kinetic of Macromolecule. <i>Analytical Chemistry</i> , 2018, 90, 5116-5121.	3.2	9
29	Speciation of organosulfur compounds in carbonaceous chondrites. <i>Scientific Reports</i> , 2021, 11, 7410.	1.6	8
30	The Structure of Blood Coagulation Factor XIII Is Adapted to Oxidation. <i>Biomolecules</i> , 2020, 10, 914.	1.8	7
31	Thermal dissociation and H/D exchange of streptavidin tetramers at atmospheric pressure. <i>International Journal of Mass Spectrometry</i> , 2018, 427, 100-106.	0.7	6
32	CID fragmentation, H/D exchange and supermetallization of Barnase-Barstar complex. <i>Scientific Reports</i> , 2017, 7, 6176.	1.6	5
33	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.	0.5	4
34	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.	0.5	4
35	The effect of hypochlorite- and peroxide-induced oxidation of plasminogen on damage to the structure and biological activity. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 64-73.	3.6	4
36	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.	0.7	3

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37	Lipid Profiles of Human Brain Tumors Obtained by High-Resolution Negative Mode Ambient Mass Spectrometry. <i>Data</i> , 2021, 6, 132.	1.2	3
38	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, 91-95.	0.5	2
39	Observation of the multiple halogenation of peptides in the electrospray ionization source. <i>Journal of Mass Spectrometry</i> , 2015, 50, 899-905.	0.7	1