

# Alexey Kononikhin

## List of Publications by Citations

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39  
papers

700  
citations

17  
h-index

25  
g-index

39  
ext. papers

778  
ext. citations

3.4  
avg, IF

3.88  
L-index

#	Paper	IF	Citations
39	Simple atmospheric hydrogen/deuterium exchange method for enumeration of labile hydrogens by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 5330-4	7.8	69
38	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> , <b>2013</b> , 85, 11007-13	7.8	53
37	In-ESI source hydrogen/deuterium exchange of carbohydrate ions. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2595-608	6.8	47
36	Enumeration of non-labile oxygen atoms in dissolved organic matter by use of $\text{H}_2\text{O}/\text{D}_2\text{O}$ exchange and Fourier transform ion-cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6655-64	4.4	40
35	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> , <b>2014</b> , 49, 989-94	2.2	36
34	A novel direct spray-from-tissue ionization method for mass spectrometric analysis of human brain tumors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 7797-805	4.4	33
33	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> , <b>2016</b> , 141, 2426-34	5	33
32	Enumeration of carboxyl groups carried on individual components of humic systems using deuteromethylation and Fourier transform mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 2477-2488	4.4	30
31	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> , <b>2015</b> , 50, 49-55	2.2	28
30	Conformations of cationized linear oligosaccharides revealed by FTMS combined with in-ESI H/D exchange. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 1150-6	2.2	26
29	Separation of tautomeric forms of [2-nitrophenylglucosyl-H]- by an in-electrospray ionization source hydrogen/deuterium exchange approach. <i>European Journal of Mass Spectrometry</i> , <b>2014</b> , 20, 345-9	1.1	25
28	Supermetallization of peptides and proteins during electrospray ionization. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 1079-1087	2.2	25
27	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> , <b>2016</b> , 51, 430-6	2.2	22
26	Letter: Observation of the $^{16}\text{O}/^{18}\text{O}$ exchange during electrospray ionization. <i>European Journal of Mass Spectrometry</i> , <b>2015</b> , 21, 109-13	1.1	21
25	Direct Mass Spectrometry Differentiation of Ectopic and Eutopic Endometrium in Patients with Endometriosis. <i>Journal of Minimally Invasive Gynecology</i> , <b>2018</b> , 25, 426-433	2.2	20
24	Letter: Analytical potential of the in-electrospray ionization source hydrogen/deuterium exchange for the investigation of oligonucleotides. <i>European Journal of Mass Spectrometry</i> , <b>2015</b> , 21, 59-63	1.1	20
23	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> , <b>2016</b> , 404, 29-34	1.9	19

22	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> , <b>2017</b> , 23, 83-88	1.1	16
21	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> , <b>2018</b> , 24, 116-123	1.1	16
20	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 &amp; Technology</i> , <b>2020</b> , 54, 2667-2677	10.3	14
19	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> , <b>2018</b> , 29, 323-330	3.5	13
18	Ozone-induced damage of fibrinogen molecules: identification of oxidation sites by high-resolution mass spectrometry. <i>Free Radical Research</i> , <b>2019</b> , 53, 430-455	4	12
17	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> , <b>2018</b> , 1866, 875-884	4	12
16	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> , <b>2017</b> , 23, 156-161	1.1	10
15	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 Spectrometry. <i>Journal of Chromatography B</i> , <b>2018</b> , 11, 10170-10177	5.7	10
14	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> , <b>2013</b> , 19, 247-52	1.1	9
13	Letter: Supermetallization of peptides and proteins with tetravalent metal Th(IV). <i>European Journal of Mass Spectrometry</i> , <b>2016</b> , 22, 39-42	1.1	9
12	Analytical Description of the H/D Exchange Kinetic of Macromolecule. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5116-5121	7.8	8
11	Investigation of the ozonation products of natural complex mixtures using Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , <b>2017</b> , 23, 152-155	1.1	4
10	The Structure of Blood Coagulation Factor XIII Is Adapted to Oxidation. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
9	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> , <b>2016</b> , 22, 313-317	1.1	4
8	CID fragmentation, H/D exchange and supermetallization of Barnase-Barstar complex. <i>Scientific Reports</i> , <b>2017</b> , 7, 6176	4.9	3
7	Thermal dissociation and H/D exchange of streptavidin tetramers at atmospheric pressure. <i>International Journal of Mass Spectrometry</i> , <b>2018</b> , 427, 100-106	1.9	3
6	Speciation of organosulfur compounds in carbonaceous chondrites. <i>Scientific Reports</i> , <b>2021</b> , 11, 7410	4.9	2
5	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> , <b>2016</b> , 22, 91-5	1.1	2

4	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> , <b>2016</b> , 409, 67-72	1.9	1
3	Observation of the multiple halogenation of peptides in the electrospray ionization source. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 899-905	2.2	1
2	Lipid Profiles of Human Brain Tumors Obtained by High-Resolution Negative Mode Ambient Mass Spectrometry. <i>Data</i> , <b>2021</b> , 6, 132	2.3	0
1	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> , <b>2022</b> , 206, 64-73	7.9	0