Aleksander Zherebker

List of Publications by Year
in descending order

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51	904	471509	501196
papers	citations	17 h-index	28 g-index

55	55	55	885
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Mapping of Sorbent Selectivities with Respect to Isolation of Arctic Dissolved Organic Matter as Measured by Fourier Transform Mass Spectrometry. Environmental Science & Technology, 2014, 48, 7461-7468.	10.0	86
2	Hydrogen/deuterium exchange in mass spectrometry. Mass Spectrometry Reviews, 2018, 37, 811-853.	5.4	80
3	Enumeration of non-labile oxygen atoms in dissolved organic matter by use of 16O/18O exchange and Fourier transform ion-cyclotron resonance mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 6655-6664.	3.7	46
4	Dissection of the deep-blue autofluorescence changes accompanying amyloid fibrillation. Archives of Biochemistry and Biophysics, 2018, 651, 13-20.	3.0	46
5	Synthesis of model humic substances: a mechanistic study using controllable H/D exchange and Fourier transform ion cyclotron resonance mass spectrometry. Analyst, The, 2015, 140, 4708-4719.	3.5	43
6	Enumeration of carboxyl groups carried on individual components of humic systems using deuteromethylation and Fourier transform mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 2477-2488.	3.7	38
7	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
8	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. Environmental Science & Technology, 2020, 54, 2667-2677.	10.0	33
9	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
10	Novel water-soluble lignin derivative BP-Cx-1: identification of components and screening of potential targets in silico and in vitro. Oncotarget, 2018, 9, 18578-18593.	1.8	29
11	Antiviral activity of natural humic substances and shilajit materials against HIV-1: Relation to structure. Environmental Research, 2021, 193, 110312.	7.5	26
12	Examination of molecular space and feasible structures of bioactive components of humic substances by FTICR MS data mining in ChEMBL database. Scientific Reports, 2019, 9, 12066.	3.3	25
13	Investigation of bio-oil produced by hydrothermal liquefaction of food waste using ultrahigh resolution Fourier transform ion cyclotron resonance mass spectrometry. European Journal of Mass Spectrometry, 2018, 24, 116-123.	1.0	24
14	Signatures of Molecular Unification and Progressive Oxidation Unfold in Dissolved Organic Matter of the Ob-Irtysh River System along Its Path to the Arctic Ocean. Scientific Reports, 2019, 9, 19487.	3.3	23
15	The Structural Arrangement and Relative Abundance of Aliphatic Units May Effect Long-Wave Absorbance of Natural Organic Matter as Revealed by ¹H NMR Spectroscopy. Environmental Science & Technology, 2018, 52, 12526-12537.	10.0	20
16	The investigation of the birch tar using ultrahigh resolution Fourier transform ion cyclotron resonance mass spectrometry and Hydrogen/Deuterium exchange approach. International Journal of Mass Spectrometry, 2016, 404, 29-34.	1.5	19
17	The investigation of the bio-oil produced by hydrothermal liquefaction of Spirulina platensis using ultrahigh resolution Fourier transform ion cyclotron resonance mass spectrometry. European Journal of Mass Spectrometry, 2017, 23, 83-88.	1.0	18
18	Hydrogen/Deuterium Exchange Aiding Compound Identification for LC-MS and MALDI Imaging Lipidomics. Analytical Chemistry, 2019, 91, 13465-13474.	6.5	18

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19	Interlaboratory comparison of humic substances compositional space as measured by Fourier transform ion cyclotron resonance mass spectrometry (IUPAC Technical Report). Pure and Applied Chemistry, 2020, 92, 1447-1467.	1.9	15
20	Hydrogen/Deuterium and ¹⁶O/¹⁸O-Exchange Mass Spectrometry Boosting the Reliability of Compound Identification. Analytical Chemistry, 2020, 92, 6877-6885.	6.5	14
21	Gausemycinsâ€...A,B: Cyclic Lipoglycopeptides fromStreptomycessp.**. Angewandte Chemie - International Edition, 2021, 60, 18694-18703.	13.8	14
22	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. Journal of Agricultural and Food Chemistry, 2018, 66, 12179-12187.	5.2	13
23	Aluminum Complexes Based on Tridentate Amidoalkoxide NNO-Ligands: Synthesis, Structure, and Properties. Journal of Organometallic Chemistry, 2018, 875, 11-23.	1.8	13
24	High-Resolution Mass Spectrometry Study of the Bio-Oil Samples Produced by Thermal Liquefaction of Microalgae in Different Solvents. Journal of the American Society for Mass Spectrometry, 2019, 30, 605-614.	2.8	13
25	Relation between lignin molecular profile and fungal exo-proteome during kraft lignin modification by Trametes hirsuta LE-BIN 072. Bioresource Technology, 2021, 335, 125229.	9.6	13
26	Synthesis of carboxylated styrene polymer for internal calibration of Fourier transform ion cyclotron resonance mass-spectrometry of humic substances. European Journal of Mass Spectrometry, 2017, 23, 156-161.	1.0	12
27	Non-classical growth of water-redispersible spheroidal gold nanoparticles assisted by leonardite humate. CrystEngComm, 2017, 19, 876-886.	2.6	11
28	Microprobe for the Thermal Analysis of Crude Oil Coupled to Photoionization Fourier Transform Mass Spectrometry. Analytical Chemistry, 2018, 90, 8756-8763.	6.5	11
29	Speciation of structural fragments in crude oil by means of isotope exchange in near-critical water and Fourier transform mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 3331-3339.	3.7	11
30	Austalides V and W, new meroterpenoids from the fungus Aspergillus ustus and their antitumor activities. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126708.	2.2	10
31	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
32	Ultrafast Energy Transfer Determines the Formation of Fluorescence in DOM and Humic Substances. Environmental Science & Technology, 2021, 55, 10365-10377.	10.0	10
33	The Molecular Composition of Humic Substances Isolated From Yedoma Permafrost and Alas Cores in the Eastern Siberian Arctic as Measured by Ultrahigh Resolution Mass Spectrometry. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2432-2445.	3.0	9
34	Structural investigation of coal humic substances by selective isotopic exchange and high-resolution mass spectrometry. Faraday Discussions, 2019, 218, 172-190.	3.2	9
35	Aromaticity Index with Improved Estimation of Carboxyl Group Contribution for Biogeochemical Studies. Environmental Science & Technology, 2022, 56, 2729-2737.	10.0	9
36	Impact of ozone treatment on dissolved organic matter in land-based recirculating aquaculture systems studied by Fourier transform ion cyclotron resonance mass spectrometry. Science of the Total Environment, 2022, 843, 157009.	8.0	9

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37	Oxygen Isotope Exchange Reaction for Untargeted LCâ€“MS Analysis. Journal of the American Society for Mass Spectrometry, 2022, 33, 390-398.	2.8	7
38	PyFragMSâ”€A Web Tool for the Investigation of the Collision-Induced Fragmentation Pathways. ACS Omega, 2022, 7, 9710-9719.	3.5	7
39	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
40	Inhibition of Class A Î²-Lactamase (TEM-1) by Narrow Fractions of Humic Substances. ACS Omega, 2021, 6, 23873-23883.	3.5	6
41	Oxidation of Individual Aromatic Species Gives Rise to Humic-like Optical Properties. Environmental Science and Technology Letters, 2022, 9, 452-458.	8.7	6
42	Fourier transform ion cyclotron resonance mass spectrometry for the analysis of molecular composition and batchâ€toâ€batch consistency of plantâ€derived polyphenolic ligands developed for biomedical application. Rapid Communications in Mass Spectrometry, 2020, 34, e8850.	1.5	5
43	Directed Synthesis of Humic and Fulvic Derivatives with Enhanced Antioxidant Properties. Agronomy, 2021, 11, 2047.	3.0	5
44	Monasnicotinic acid, a novel pyridine alkaloid of the fungus Aspergillus cavernicola : isolation and structure elucidation. Mendeleev Communications, 2018, 28, 55-57.	1.6	4
45	High resolution techniques: general discussion. Faraday Discussions, 2019, 218, 247-267.	3.2	4
46	Letter: Electron-Capture Dissociation and Collision-Induced Dissociation Fragmentation of the Supermetallized Complexes of Substance P with Potassium, Cesium and Silver. European Journal of Mass Spectrometry, 2016, 22, 91-95.	1.0	2
47	Photoreactivity of humic-like polyphenol material under irradiation with different wavelengths explored by FTICR MS and deuteromethylation. European Journal of Mass Spectrometry, 2020, 26, 292-300.	1.0	2
48	Formation of Azaphilone Pigments and Monasnicotinic Acid by the Fungus Aspergillus cavernicola. Journal of Agricultural and Food Chemistry, 2022, 70, 7122-7129.	5.2	2
49	Gausemycinsâ€…A,B: Cyclic Lipoglycopeptides from Streptomyces sp.**. Angewandte Chemie, 2021, 133, 18842-18851.	2.0	1
50	Innentitelbild: Gausemycinsâ€…A,B: Cyclic Lipoglycopeptides from Streptomyces sp. (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overloc	2.0	1
51	Methylene Group Transfer in Carbonyl Compounds Discovered inâ€…silico and Detected Experimentally. ChemPhysChem, 2019, 20, 361-365.	2.1	0