

Dmitriy S Kosyakov

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.

91
papers

630
citations

15
h-index

19
g-index

97
ext. papers

837
ext. citations

3
avg, IF

4.43
L-index

#	Paper	IF	Citations
91	Some aspects of additives effects on retention in supercritical fluid chromatography studied by linear free energy relationships method.. <i>Journal of Chromatography A</i> , 2022 , 1665, 462820	4.5	2
90	Antiviral drug Umifenovir (Arbidol) in municipal wastewater during the COVID-19 pandemic: Estimated levels and transformation. <i>Science of the Total Environment</i> , 2022 , 805, 150380	10.2	2
89	Polycyclic aromatic hydrocarbons in the Siberian Arctic seas sediments. <i>Marine Pollution Bulletin</i> , 2022 , 180, 113741	6.7	0
88	Study of the Composition of Volatile By-Products, Formed by Dissolution of Wood in Ionic Liquids Based on 1-Butyl-3-Methylimidazolium. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 337-346	0.8	0
87	Bioprospecting of Less-Polar Constituents from Endemic Brown Macroalga <i>J. Agardh</i> from the Adriatic Sea and Targeted Antioxidant Effects In Vitro and In Vivo (Zebrafish Model). <i>Marine Drugs</i> , 2021 , 19,	6	10
86	Occurrence of Volatile and Semi-Volatile Organic Pollutants in the Russian Arctic Atmosphere: The International Siberian Shelf Study Expedition (ISSS-2020). <i>Atmosphere</i> , 2021 , 12, 767	2.7	3
85	Screening and semi-quantitative determination of pentacyclic triterpenoids in plants by liquid chromatography-tandem mass spectrometry in precursor ion scan mode. <i>Phytochemical Analysis</i> , 2021 , 32, 252-261	3.4	1
84	Gas Chromatography-Mass Spectrometry Quantification of 1,1-Dimethylhydrazine Transformation Products in Aqueous Solutions: Accelerated Water Sample Preparation. <i>Molecules</i> , 2021 , 26,	4.8	2
83	Polycyclic aromatic hydrocarbons in the snow cover of the northern city agglomeration. <i>Scientific Reports</i> , 2021 , 11, 19074	4.9	2
82	Dopant-assisted atmospheric pressure photoionization Orbitrap mass spectrometry - An approach to molecular characterization of lignin oligomers. <i>Analytica Chimica Acta</i> , 2021 , 1179, 338836	6.6	3
81	Rapid quantification and screening of nitrogen-containing rocket fuel transformation products by vortex assisted liquid-liquid microextraction and gas chromatography [high-resolution Orbitrap mass spectrometry. <i>Microchemical Journal</i> , 2021 , 171, 106821	4.8	2
80	Chitosan Plasma Chemical Processing in Beam-Plasma Reactors as a Way of Environmentally Friendly Phytostimulants Production. <i>Processes</i> , 2021 , 9, 103	2.9	4
79	Transformation of Vanillin in Sub- and Supercritical Propanol-2 Media. <i>Russian Journal of Physical Chemistry B</i> , 2021 , 15, 1113-1119	1.2	
78	Study of Lignin by Atmospheric Pressure Photoionization Orbitrap Mass Spectrometry: Effect of Spectral Resolution. <i>Journal of Analytical Chemistry</i> , 2021 , 76, 1610-1617	1.1	0
77	Supercritical Fluid Chromatography/Mass-Spectrometry of Nitrogen-Containing Compounds: Atmospheric Pressure Ionization. <i>Journal of Analytical Chemistry</i> , 2021 , 76, 1624-1634	1.1	0
76	Study of the sedge (<i>Carex</i>) lignin by high-resolution mass spectrometry and NMR spectroscopy. <i>Russian Chemical Bulletin</i> , 2020 , 69, 2004-2012	1.7	4
75	Arctic snow pollution: A GC-HRMS case study of Franz Joseph Land archipelago. <i>Environmental Pollution</i> , 2020 , 265, 114885	9.3	7

74	Depolymerization of Alkaline Lignin in the Medium of Supercritical 2-Propanol. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 99-107	0.8	5
73	Photolytic and photocatalytic degradation of doxazosin in aqueous solution. <i>Science of the Total Environment</i> , 2020 , 740, 140131	10.2	6
72	Characterization of Ionic Liquid Lignins Isolated from Spruce Wood with 1-Butyl-3-methylimidazolium Acetate and Methyl Sulfate and Their Binary Mixtures with DMSO. <i>Molecules</i> , 2020 , 25,	4.8	6
71	Peat burning - An important source of pyridines in the earth atmosphere. <i>Environmental Pollution</i> , 2020 , 266, 115109	9.3	13
70	Migration and transformation of 1,1-dimethylhydrazine in peat bog soil of rocket stage fall site in Russian North. <i>Science of the Total Environment</i> , 2020 , 726, 138483	10.2	6
69	Bio-Based Solvents and Gasoline Components From Renewable 2,3-Butanediol and 1,2-Propanediol: Synthesis and Characterization. <i>Molecules</i> , 2020 , 25,	4.8	8
68	Data on the spatial distribution of 1,1-dimethylhydrazine and its transformation products in peat bog soil of rocket stage fall site in Russian North. <i>Data in Brief</i> , 2020 , 30, 105614	1.2	2
67	Mass spectrometry in the study of air pollution in the Arctic 2020 , 13, 56-68		2
66	Comparative Analysis of Lignins of Various Plant Forms by 31P NMR Spectroscopy. <i>Russian Journal of Bioorganic Chemistry</i> , 2020 , 46, 1337-1342	1	1
65	Application of Carbon Matrices to Screening Pentacyclic Triterpenoids in Plant Feedstock by MALDI Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2020 , 75, 1749-1757	1.1	2
64	Laser Desorption/Ionization of Low-Molecular-Weight Lignin Oligomers. <i>Journal of Analytical Chemistry</i> , 2020 , 75, 1814-1824	1.1	1
63	Application of Atmospheric Pressure Photoionization to the Determination of 1,1-Dimethylhydrazine Transformation Products by Liquid Chromatography/Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2020 , 75, 1700-1707	1.1	1
62	Transformation of resveratrol under disinfection conditions. <i>Chemosphere</i> , 2020 , 260, 127557	8.4	3
61	Acidity Constants of Lignin Model Compounds in the Electronically Excited State in Water/N,N-Dimethylformamide Mixtures. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 1587-1595	0.7	1
60	Thermophysical Properties of Ionic Liquids with 1-Butyl-3-methylimidazolium Cation. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 1756-1760	0.7	
59	Identification of novel disinfection byproducts in pool water: Chlorination of the algacide benzalkonium chloride. <i>Chemosphere</i> , 2020 , 239, 124801	8.4	7
58	Evaluation of temperature and pressure effects on retention in supercritical fluid chromatography on polar stationary phases. <i>Journal of Chromatography A</i> , 2020 , 1610, 460600	4.5	8
57	Rapid simultaneous determination of pentacyclic triterpenoids by mixed-mode liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1609, 460458	4.5	10

56	Using a Stationary Phase Based on Porous Graphitized Carbon for the Determination of 1,1-Dimethylhydrazine Transformation Products by Liquid Chromatography-Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2020 , 75, 510-518	1.1	4
55	Modeling solid-phase microextraction of volatile organic compounds by porous coatings using finite element analysis. <i>Analytica Chimica Acta</i> , 2019 , 1076, 73-81	6.6	11
54	Effects of oxidant and catalyst on the transformation products of rocket fuel 1,1-dimethylhydrazine in water and soil. <i>Chemosphere</i> , 2019 , 228, 335-344	8.4	18
53	Simultaneous Determination of Anthraquinone and Bisphenol A in Pulp and Paper Products by High Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2019 , 74, 1089-1095	1.1	2
52	Quadrupole Ion Trap Time-of-Flight MALDI Mass Spectrometry: Hydration of Ions of Hydroxyl-Containing Compounds. <i>Journal of Analytical Chemistry</i> , 2019 , 74, 1390-1395	1.1	2
51	The Study of Water Sorption with Hydrolysis Lignin by Solid-State NMR Spectroscopy. <i>Eurasian Chemico-Technological Journal</i> , 2019 , 21, 325	0.8	
50	Transformation of Unsymmetrical Dimethylhydrazine in Supercritical Water. <i>Russian Journal of Physical Chemistry B</i> , 2019 , 13, 1103-1110	1.2	5
49	Study of Nettle (<i>Urtica diŕta</i>) Lignin by Atmospheric Pressure Photoionization Orbitrap Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2019 , 74, 1412-1420	1.1	5
48	Promising Solvents for Lignin Depolymerization: Stability under Supercritical Conditions. <i>Russian Journal of Physical Chemistry B</i> , 2019 , 13, 1147-1149	1.2	2
47	Semi volatile organic compounds in the snow of Russian Arctic islands: Archipelago Novaya Zemlya. <i>Environmental Pollution</i> , 2018 , 239, 416-427	9.3	28
46	Determination of 1,1-Dimethylhydrazine and its Transformation Products in Soil by Zwitterionic Hydrophilic Interaction Liquid Chromatography/Tandem Mass Spectrometry. <i>Chromatographia</i> , 2018 , 81, 891-900	2.1	9
45	Quantification of transformation products of rocket fuel unsymmetrical dimethylhydrazine in soils using SPME and GC-MS. <i>Talanta</i> , 2018 , 184, 332-337	6.2	16
44	The Properties of the Nucleodur HILIC Stationary Phase in Supercritical Fluid Chromatography. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 793-798	0.7	2
43	Characterization of Disinfection By-Products in Arkhangelsk Tap Water by Liquid Chromatography/High-Resolution Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018 , 73, 1260-1268	1.1	6
42	Study of the Products of Oxidation of 1,1-Dimethylhydrazine by Nitrogen Dioxide in an Aqueous Solution by High-Resolution Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018 , 73, 1223-1228	1.1	4
41	Highly Sensitive Determination of Chlorophenols in Sea Water by Gas Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018 , 73, 991-998	1.1	5
40	Ionic liquid matrices for MALDI mass spectrometry of lignin. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7429-7439	4.4	15
39	Simultaneous Determination of Hydrazine, Methylhydrazine, and 1,1-Dimethylhydrazine by High-Performance Liquid Chromatography with Pre- and Post-Column Derivatization by 5-Nitro-2-Furaldehyde. <i>Journal of Analytical Chemistry</i> , 2018 , 73, 497-503	1.1	7

38	Fractionation of Wood with Binary Solvent 1-Butyl-3-methylimidazolium Acetate + Dimethyl Sulfoxide. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 663-670	0.8	6
37	Formation of low molecular weight oligomers from chitin and chitosan stimulated by plasma-assisted processes. <i>Carbohydrate Polymers</i> , 2017 , 163, 54-61	10.3	21
36	Characterisation of oxidation products of 1,1-dimethylhydrazine by high-resolution orbitrap mass spectrometry. <i>Chemosphere</i> , 2017 , 174, 66-75	8.4	23
35	Quantification of Transformation Products of Unsymmetrical Dimethylhydrazine in Water Using SPME and GC-MS. <i>Chromatographia</i> , 2017 , 80, 931-940	2.1	13
34	One-Step Synthesis of Picric Acid from Phenol. <i>Organic Preparations and Procedures International</i> , 2017 , 49, 178-181	1.1	3
33	Direct determination of hydrazine, methylhydrazine, and 1,1-dimethylhydrazine by zwitterionic hydrophilic interaction liquid chromatography with amperometric detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2017 , 97, 313-329	1.8	16
32	A case of Z/E-isomers elution order inversion caused by cosolvent percentage change in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2017 , 1479, 177-184	4.5	4
31	Determination of Ni, Co, and Cu in seawater by total external reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 608-616	1.1	5
30	Spectrophotometric determination of hydrazine, methylhydrazine, and 1,1-dimethylhydrazine with preliminary derivatization by 5-nitro-2-furaldehyde. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 171-177	1.1	20
29	Halogenated fatty amides - A brand new class of disinfection by-products. <i>Water Research</i> , 2017 , 127, 183-190	12.5	15
28	Modification of sulfate lignin with sodium periodate to obtain sorbent of 1,1-dimethylhydrazine. <i>Russian Journal of Applied Chemistry</i> , 2017 , 90, 516-521	0.8	5
27	Subcritical extraction of birch bark pentacyclic triterpenes. <i>Russian Chemical Bulletin</i> , 2017 , 66, 875-881	1.7	6
26	Study of Products of the Alkaline Decomposition of Hydrolysis Lignin by Atmospheric Pressure Photoionization High-Resolution Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 1396-1403	1.1	12
25	Studies of reaction products of hydrolytic lignin with nitric acid. <i>Russian Chemical Bulletin</i> , 2016 , 65, 237-244	1.4	6
24	Determination of natural aromatic acids using supercritical fluid chromatography. <i>Russian Journal of Physical Chemistry B</i> , 2016 , 10, 1062-1071	1.2	6
23	Thermophysical properties of model compounds of the lignin structural unit. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2504-2508	1.7	2
22	Carbon nanocoatings: A new approach to recording mass spectra of low-molecular compounds using surface-assisted laser desorption/ionization mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2016 , 71, 1221-1227	1.1	7
21	Lignopolyurethane foam based on hydrolytic lignin. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 155-159	1.5	5

20	Negative ion mode atmospheric pressure ionization methods in lignin mass spectrometry: A comparative study. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 2099-108	2.2	27
19	Solvatochromic polarity parameters for binary mixtures of 1-butyl-3-methylimidazolium acetate with water, methanol, and dimethylsulfoxide. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 1814-1820	0.7	15
18	Rapid determination of 1,1-dimethylhydrazine transformation products in soil by accelerated solvent extraction coupled with gas chromatography-tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2015 , 95, 1321-1337	1.8	20
17	Thermochemical structural transformations of polyoxadiazoles. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 1304-1310	0.8	1
16	Specific features of sample preparation upon chromatographic determination of 1,1-dimethylhydrazine and N-nitrosodimethylamine in peaty soils. <i>Moscow University Chemistry Bulletin</i> , 2015 , 70, 63-68	0.5	7
15	Determination of transformation products of 1,1-dimethylhydrazine by gas chromatography-tandem mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2015 , 70, 1553-1560	1.1	21
14	Nitration of phenol in 1,4-dioxane. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 1783-1787	0.8	
13	Simultaneous determination of 1,1-dimethylhydrazine and products of its oxidative transformations by liquid chromatography-tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2014 , 94, 1254-1263	1.8	34
12	Determination of triterpenoids from birch bark by liquid chromatography-tandem mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2014 , 69, 1264-1269	1.1	14
11	Optimization of sample preparation conditions in the study of lignin by MALDI mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2014 , 69, 1344-1350	1.1	22
10	Specific features of solvation of lignin related phenols in the binary mixtures of water with dimethyl sulfoxide, 1,4-dioxane, and acetonitrile. <i>Russian Chemical Bulletin</i> , 2014 , 63, 2045-2050	1.7	2
9	A study of the photometric reaction of phenol nitrosation. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 836-840	0.8	
8	Protolytic properties of lignin in binary mixtures of water with aprotic solvents. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 1064-1069	0.8	5
7	Supercritical fluid extraction of 1,1-dimethylhydrazine from peaty soils. <i>Russian Journal of Physical Chemistry B</i> , 2013 , 7, 880-884	1.2	5
6	Solvent effect on the acidity constants of lignin-related phenols in water-acetone and water-1,4-dioxane binary mixtures within the Kamlet-Taft formalism. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 1909-1912	0.7	4
5	Synthesis of 2,4-dinitrophenol. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1577-1580	0.8	3
4	Application of analytical methods for estimating contamination of atmospheric air during launch of carrier rockets of different classes from the Plesetsk Cosmodrome. <i>Inorganic Materials</i> , 2010 , 46, 1627-1631	0.9	3
3	Solvatochromism and preferential solvation of para-derivatives of guaiacol in water-N,N-dimethylformamide mixtures. <i>Russian Journal of Physical Chemistry A</i> , 2007 , 81, 1076-1081	0.7	3

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| 2 | Acidity of Guaiacol Derivatives in Water-Acetone Mixtures. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 125-129 | 0.8 | 7 |
| 1 | An IR study of organosolvent lignin. <i>Russian Journal of Applied Chemistry</i> , 2004 , 77, 1536-1539 | 0.8 | 1 |