Alexey A Sysoev

List of Publications by Year
in descending order

49 papers	550 citations	516710 16 h-index	642732 23 g-index
50 all docs	50 docs citations	50 times ranked	362 citing authors

#	Article	IF	Citations
1	Study of atmospheric pressure chemical ionization of phthalates in air by ion mobility spectrometry/mass spectrometry. Rapid Communications in Mass Spectrometry, 2021, 35, e9145.	1.5	1
2	Investigation by simulation of the RF carpets for the transport of ions at atmospheric pressures. European Journal of Mass Spectrometry, 2020, 26, 274-280.	1.0	1
3	Influence of multiplexing conditions on artefact signal and the signal-to-noise ratio in the decoded data in Hadamard transform ion mobility spectrometry. European Journal of Mass Spectrometry, 2020, 26, 204-212.	1.0	2
4	Novel approach to constructing laser ionization elemental time-of-flight mass spectrometer. European Journal of Mass Spectrometry, 2018, 24, 96-107.	1.0	5
5	Mass selective laser cooling of 229Th3+ in a multisectional linear Paul trap loaded with a mixture of thorium isotopes. European Journal of Mass Spectrometry, 2017, 23, 136-139.	1.0	6
6	Loading of mass spectrometry ion trap with Th ions by laser ablation for nuclear frequency standard application. European Journal of Mass Spectrometry, 2017, 23, 146-151.	1.0	8
7	Editorial. European Journal of Mass Spectrometry, 2017, 23, 129-129.	1.0	0
8	The investigation of ionization conditions in the trace amounts detection of heterocyclic compounds by ion mobility spectrometry and mass spectrometry. IOP Conference Series: Materials Science and Engineering, 2016, 151, 012018.	0.6	0
9	Methods for the minimization of errors of the determination of isotope ratios in laser mass spectrometry. Journal of Analytical Chemistry, 2016, 71, 500-507.	0.9	0
10	Rapid Identification of Triphenylmethane Dyes by Ion Mobility Time-of-Flight Mass Spectrometry. European Journal of Mass Spectrometry, 2016, 22, 289-296.	1.0	2
11	Transmission of a Drift Tube Ion Mobility Spectrometer, Connected with a Mass Spectrometer. Physics Procedia, 2015, 72, 278-282.	1.2	1
12	The Approach to Reducing the Detection Limit for LA-ICP-MS. Physics Procedia, 2015, 72, 218-221.	1.2	1
13	Determination of Traces of Uranium and Thorium in Titanium and Copper Used for the Construction of the Russian Emission Detector 100 by Inductively Coupled Plasma Mass Spectrometry. European Journal of Mass Spectrometry, 2015, 21, 335-340.	1.0	1
14	Multisectional Linear Ion Trap and Novel Loading Method for Optical Spectroscopy of Electron and Nuclear Transitions. European Journal of Mass Spectrometry, 2015, 21, 1-12.	1.0	13
15	Comparison of Pyridine and Pyrazine Derivatives Distribution in Exhaled Breath and Exhaled Breath Condensate after Smoking. European Journal of Mass Spectrometry, 2015, 21, 829-832.	1.0	4
16	Genetic Algorithm for Voltage Optimization of Gridless Ion Mirror. Physics Procedia, 2015, 72, 236-240.	1.2	5
17	Data Collection and Processing Instrumentation for Time-of-Flight Mass Spectrometry and Ion Mobility Time-of-Flight Mass Spectrometry. Physics Procedia, 2015, 72, 274-277.	1.2	2
18	The Development of Nuclear Frequency Standard with the Use of Ion Crystals Manipulation System. Physics Procedia, 2015, 72, 245-248.	1.2	2

#	Article	IF	Citations
19	Design of Gridless Ion Mirror for Time Focusing by Energies of Ions in Laser Ion Source. Physics Procedia, 2015, 72, 232-235.	1.2	1
20	The 2nd Order Focusing by Energy for TOF Sector Field Mass Analyzer with an Orthogonal Acceleration: Theory, Modeling, Experiment. Physics Procedia, 2015, 72, 266-273.	1.2	0
21	The Method of Ion Mobility TOF Mass Spectrometry for Rapid Identification of Triphenylmethane Ball Point Pen Dyes. Physics Procedia, 2015, 72, 262-265.	1.2	1
22	Separation of isomeric amines with ion mobility spectrometry. Talanta, 2015, 132, 889-893.	5.5	7
23	Quadrupole Paul Ion Trap in Complex for Optical Spectroscopy of Multiply Charged Thorium Ions for the Development of a Nuclear Frequency Standard. Measurement Techniques, 2014, 57, 777-782.	0.6	5
24	Analysis of New Synthetic Drugs by Ion Mobility Time-of-Flight Mass Spectrometry. European Journal of Mass Spectrometry, 2014, 20, 185-192.	1.0	28
25	Development of an Atmospheric Pressure Ion Mobility Spectrometerâ€“Mass Spectrometer with an Orthogonal Acceleration Electrostatic Sector TOF Mass Analyzer. Analytical Chemistry, 2013, 85, 9003-9012.	6.5	24
26	Generation of thorium ions by laser ablation and inductively coupled plasma techniques for optical nuclear spectroscopy. Laser Physics Letters, 2013, 10, 105301.	1.4	18
27	Ion energy distribution in a multicomponent laser plasma cloud. Journal of Analytical Chemistry, 2012, 67, 1031-1033.	0.9	2
28	A new approach to the ion mobility spectrometer/mass spectrometer based on the orthogonal acceleration sector time-of-flight mass analyzer. Journal of Analytical Chemistry, 2012, 67, 1093-1095.	0.9	7
29	Engineering Education Technique based on Professional Activity Imitation. Procedia, Social and Behavioral Sciences, 2012, 55, 707-709.	0.5	4
30	Letter: A Simple Ion Source Set-up for Desorption/Ionization on Silicon with Ion Mobility Spectrometry and Ion Mobility Spectrometry-Mass Spectrometry. European Journal of Mass Spectrometry, 2011, 17, 593-597.	1.0	6
31	Measurements of reduced mobility of standard compounds by high resolving power ion mobility spectrometer in remote laboratories. Journal of Analytical Chemistry, 2011, 66, 1253-1257.	0.9	5
32	Expansion of a multicomponent laser plasma cloud. Journal of Analytical Chemistry, 2011, 66, 1307-1313.	0.9	7
33	Ion optics of the LAMAS-10 laser time-of-flight mass spectrometer. Journal of Analytical Chemistry, 2011, 66, 1455-1463.	0.9	6
34	Separation of different ion structures in atmospheric pressure photoionization-ion mobility spectrometry-mass spectrometry (APPI-IMS-MS). Journal of the American Society for Mass Spectrometry, 2010, 21, 1565-1572.	2.8	23
35	Characterization of a high resolution drift tube ion mobility spectrometer with a multi-ion source platform. International Journal of Mass Spectrometry, 2010, 298, 24-29.	1.5	34
36	Sterically hindered phenols in negative ion mobility spectrometryâ€“mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 3069-3076.	1.5	21

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37	A model of pulsed target evaporation and ion generation in laser plasma. Technical Physics Letters, 2009, 35, 144-146.	0.7	4
38	Characterization of proton-bound acetate dimers in ion mobility spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1361-1366.	2.8	24
39	Detection and registration of ion clots in laser time-of-flight mass spectrometers. Instruments and Experimental Techniques, 2008, 51, 574-582.	0.5	4
40	Adjusting mobility scales of ion mobility spectrometers using 2,6-DtBP as a reference compound. Talanta, 2008, 76, 1218-1223.	5.5	31
41	Interfacing an aspiration ion mobility spectrometer to a triple quadrupole mass spectrometer. Review of Scientific Instruments, 2007, 78, 044101.	1.3	20
42	A hardware and software system for the laser time-of-flight mass spectrometer. Instruments and Experimental Techniques, 2007, 50, 795-801.	0.5	0
43	Tetraalkylammonium halides as chemical standards for positive electrospray ionization with ion mobility spectrometry/mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 3051-3055.	1.5	50
44	Development of an ion mobility spectrometer for use in an atmospheric pressure ionization ion mobility spectrometer/mass spectrometer instrument for fast screening analysis. Rapid Communications in Mass Spectrometry, 2004, 18, 3131-3139.	1.5	42
45	Comparison of analytical performances of a micro-array quadrupole instrument and a conventional quadrupole mass spectrometer equipped with membrane inlets. Rapid Communications in Mass Spectrometry, 2003, 17, 753-756.	1.5	16
46	Can Laser-Ionisation Time-of-Flight Mass Spectrometry Be a Promising Alternative to Laser Ablation/Inductively-Coupled Plasma Mass Spectrometry and Glow Discharge Mass Spectrometry for the Elemental Analysis of Solids?. European Journal of Mass Spectrometry, 2002, 8, 213-232.	1.0	48
47	Application of the numerical model describing analyte permeation through hollow fiber membranes into vacuum for determination of permeation parameters of organic compounds in a silicone membrane. International Journal of Mass Spectrometry, 2001, 212, 205-217.	1.5	20
48	A Mathematical Model for Kinetic Study of Analyte Permeation from Both Liquid and Gas Phases through Hollow Fiber Membranes into Vacuum. Analytical Chemistry, 2000, 72, 4221-4229.	6.5	18
49	Direct sampling time-of-flight mass spectrometers for technological analysis. Fresenius' Journal of Analytical Chemistry, 1998, 361, 261-266.	1.5	20