Maxim Voronov

List of Publications by Year
in descending order

15	183	1163117 8	1058476 14
papers	citations	h-index	g-index

15	15	15	109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface elemental mapping via glow discharge optical emission spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 70, 1-9.	2.9	25
2	Microsecond pulsed glow discharge in fast flow Grimm type sources for mass spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 511.	3.0	23
3	Pulsed glow discharge in thin-walled metallic hollow cathode. Analytical possibilities in atomic and mass spectrometry. Journal of Analytical Atomic Spectrometry, 2003, 18, 564.	3.0	19
4	Combined hollow cathode vs. Grimm cell: semiconductive and nonconductive samples. Journal of Analytical Atomic Spectrometry, 2017, 32, 354-366.	3.0	18
5	Model of microsecond pulsed glow discharge in hollow cathode for mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 416-426.	2.9	16
6	Glow discharge imaging spectroscopy with a novel acousto-optical imaging spectrometer. Journal of Analytical Atomic Spectrometry, 2012, 27, 419.	3.0	16
7	Microsecond pulsed glow discharge applied to a sector-field mass-spectrometer. Journal of Analytical Atomic Spectrometry, 2009, 24, 676.	3.0	15
8	Pressure waves generated in a Grimm-type pulsed glow discharge source and their influence on discharge parameters. Journal of Analytical Atomic Spectrometry, 2011, 26, 811.	3.0	12
9	Force-based analysis of vortexes in atmospheric pressure ICPs. Plasma Sources Science and Technology, 2018, 27, 125005.	3.1	9
10	Thermal mechanism for formation of electrical prepeak and pressure waves in a microsecond direct current pulsed glow discharge with a Grimm-type source: a modeling investigation. Journal of Analytical Atomic Spectrometry, 2012, 27, 1225.	3.0	8
11	Computational model of inductively coupled plasma sources in comparison to experimental data for different torch designs and plasma conditions. Part II: theoretical model. Journal of Analytical Atomic Spectrometry, 2017, 32, 181-192.	3.0	8
12	Investigation of the electrical properties of standard and low-gas-flow ICPs using novel probes for the direct measurements of RF voltage and current in the load coil and the corresponding calculation of the ICP power. Journal of Analytical Atomic Spectrometry, 2015, 30, 2089-2098.	3.0	5
13	Computational model of inductively coupled plasma sources in comparison to experimental data for different torch designs and plasma conditions. Part I: experimental study. Journal of Analytical Atomic Spectrometry, 2017, 32, 167-180.	3.0	5
14	Factors affecting the formation of the radiation pre-peak at the operation of a Grimm-type source in pulsed DC mode. Analytical and Bioanalytical Chemistry, 2014, 406, 7445-7454.	3.7	2
15	Application of microsecond pulsed glow discharge to modern commercially available optical emission spectrometers for bulk elemental analysis. Journal of Analytical Atomic Spectrometry, 2018, 33, 663-669.	3.0	2