

# Maxim Voronov

## List of Publications by Year in descending order

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15  
papers

183  
citations

1163117

8  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

109  
citing authors

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