

Michael R Webb

List of Publications by Year in descending order

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23
papers

1,549
citations

471509

17
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677142

22
g-index

23
all docs

23
docs citations

23
times ranked

778
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric Pressure Chemical Ionization Source. 1. Ionization of Compounds in the Gas Phase. <i>Analytical Chemistry</i> , 2008, 80, 2646-2653.	6.5	277
2	Atmospheric Pressure Chemical Ionization Source. 2. Desorption ⁺ Ionization for the Direct Analysis of Solid Compounds. <i>Analytical Chemistry</i> , 2008, 80, 2654-2663.	6.5	183
3	Spectroscopic and electrical studies of a solution-cathode glow discharge. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1218.	3.0	172
4	Compact Glow Discharge for the Elemental Analysis of Aqueous Samples. <i>Analytical Chemistry</i> , 2007, 79, 7899-7905.	6.5	143
5	Spectrochemical Analysis by Using Discharge Devices with Solution Electrodes. <i>Analytical Chemistry</i> , 2009, 81, 862-867.	6.5	119
6	A new, versatile, direct-current helium atmospheric-pressure glow discharge. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1175.	3.0	111
7	High-Throughput Elemental Analysis of Small Aqueous Samples by Emission Spectrometry with a Compact, Atmospheric-Pressure Solution-Cathode Glow Discharge. <i>Analytical Chemistry</i> , 2007, 79, 7807-7812.	6.5	93
8	Use of electrolyte cathode glow discharge (ELCAD) for the analysis of complex mixtures. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 766.	3.0	72
9	Spectroscopic characterization of ion and electron populations in a solution-cathode glow discharge. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 525.	3.0	60
10	Solution ⁺ cathode glow discharge ⁺ optical emission spectrometry of a new design and using a compact spectrograph. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1090.	3.0	58
11	Signal enhancement in solution-cathode glow discharge ⁺ optical emission spectrometry via low molecular weight organic compounds. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 88, 40-45.	2.9	48
12	Measurement of sample and plasma properties in solution-cathode glow discharge and effects of organic additives on these properties. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 311-318.	3.0	42
13	Infochemistry and infofuses for the chemical storage and transmission of coded information. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9147-9150.	7.1	40
14	Development of a Pulsed Radio Frequency Glow Discharge for Three-Dimensional Elemental Surface Imaging. 1. Application to Biopolymer Analysis. <i>Analytical Chemistry</i> , 2007, 79, 1317-1326.	6.5	33
15	Surface elemental mapping using glow discharge ⁺ optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1279-1284.	2.9	26
16	The annular glow discharge: a small-scale plasma for solution analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 775.	3.0	23
17	Improved Monochromatic Imaging Spectrometer. <i>Applied Spectroscopy</i> , 2006, 60, 57-60.	2.2	17
18	Imaging studies of emission and laser scattering from a solution-cathode glow discharge. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1859-1867.	3.0	13

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19	Note: Toward multiple addressable optical trapping. <i>Review of Scientific Instruments</i> , 2010, 81, 026109.	1.3	7
20	Chromatically Resolved Optical Microscope (CROMoscope): A Grating-Based Instrument for Spectral Imaging. <i>Analytical Chemistry</i> , 2009, 81, 7309-7313.	6.5	5
21	Monochromatic spatial imaging of the liquid sampling “ Atmospheric pressure glow discharge: Effects of gas flow on spatial profiles of analyte and background species. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 154, 33-42.	2.9	5
22	Improvements to a Grating-Based Spectral Imaging Microscope and Its Application to Reflectance Analysis of Blue Pen Inks. <i>Applied Spectroscopy</i> , 2015, 69, 946-954.	2.2	2
23	Optical Fiber Microarrays for Chemical and Biological Measurements. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1133, 1.	0.1	0