

Mohamad Sabsabi

List of Publications by Year in descending order

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25
papers

1,569
citations

394421

19
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Analysis of Aluminum Alloys by Laser-Induced Breakdown Spectroscopy and Plasma Characterization. <i>Applied Spectroscopy</i> , 1995, 49, 499-507.	2.2	390
2	Rapid analysis of liquid formulations containing sodium chloride using laser-induced breakdown spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 277-284.	2.8	146
3	Improving laser-induced breakdown spectroscopy (LIBS) performance for iron and lead determination in aqueous solutions with laser-induced fluorescence (LIF). <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1421.	3.0	105
4	Determination of isotope ratios using Laser-Induced Breakdown Spectroscopy in ambient air at atmospheric pressure for nuclear forensics. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 536.	3.0	103
5	An evaluation of a commercial Å%chelle spectrometer with intensified charge-coupled device detector for materials analysis by laser-induced plasma spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 1011-1025.	2.9	96
6	Investigation of resonance-enhanced laser-induced breakdown spectroscopy for analysis of aluminium alloys. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 635.	3.0	89
7	Multi-elemental analysis of solidified mineral melt samples by Laser-Induced Breakdown Spectroscopy coupled with a linear multivariate calibration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1557-1566.	2.9	79
8	Quantitative analysis of metallic traces in water-based liquids by UV-IR double-pulse laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 276-283.	3.0	78
9	Quantitative Analysis of Additives in Solid Zinc Alloys by Laser-induced Plasma Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 997-1004.	3.0	63
10	Investigation of the State of Local Thermodynamic Equilibrium of a Laser-Produced Aluminum Plasma. <i>Applied Spectroscopy</i> , 2005, 59, 529-536.	2.2	60
11	Quantitative molecular analysis with molecular bands emission using laser-induced breakdown spectroscopy and chemometrics. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 694.	3.0	51
12	Laser-induced fluorescence detection of lead atoms in a laser-induced plasma: An experimental analytical optimization study. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 347-353.	2.9	51
13	Comparative study of two new commercial echelle spectrometers equipped with intensified CCD for analysis of laser-induced breakdown spectroscopy. <i>Applied Optics</i> , 2003, 42, 6094.	2.1	50
14	Evaluation of a compact high power pulsed fiber laser source for laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1354.	3.0	46
15	Analysis of gold in rock samples using laser-induced breakdown spectroscopy: Matrix and heterogeneity effects. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 134, 33-41.	2.9	39
16	Influence of Er:YAG and Nd:YAG wavelengths on laser-induced breakdown spectroscopy measurements under air or helium atmosphere. <i>Applied Optics</i> , 2003, 42, 5971.	2.1	28
17	Resonant laser-induced breakdown spectroscopy (RLIBS) analysis of traces through selective excitation of aluminum in aluminum alloys. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 388.	3.0	24
18	Double-pulse LIBS combining short and long nanosecond pulses in the microjoule range. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1660-1666.	3.0	24

#	ARTICLE	IF	CITATIONS
19	Resonant laser-induced breakdown spectroscopy for analysis of lead traces in copper alloys. Journal of Analytical Atomic Spectrometry, 2011, 26, 2452.	3.0	22
20	Discrimination of uranium ore concentrates by chemometric data analysis to support provenance assessment for nuclear forensics applications. Journal of Radioanalytical and Nuclear Chemistry, 2018, 317, 625-632.	1.5	9
21	Measuring the concentration of gold in ore samples by laser-induced breakdown spectroscopy and comparison with the gravimetry/atomic absorption techniques. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 183, 106256.	2.9	9
22	Femtosecond LIBS. , 2007, , 151-171.		5
23	Laser-induced breakdown spectroscopy: A new tool for materials analysis. , 2003, , .		1
24	Trace Selenium Measurement in Water Using Laser-Induced Fluorescence Assisted by Laser Ablation. Applied Spectroscopy, 2021, 75, 1532-1537.	2.2	1
25	New spectral detectors for LIBS. , 0, , 556-584.		0