

Duixiong Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of Cu in Traditional Chinese medicinal materials using laser-induced breakdown spectroscopy. <i>Microwave and Optical Technology Letters</i> , 2023, 65, 1200-1207.	1.4	3
2	In Situ Study of Cave 98 Murals on Dunhuang Grottoes Using Portable Laser-Induced Breakdown Spectroscopy. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	5
3	Effect of buffer gas on the analysis of Dunhuang murals by laser-induced breakdown spectroscopy technology. <i>Journal of Cultural Heritage</i> , 2022, 55, 399-408.	3.3	3
4	Influence of particle size distribution of pigments on depth profiling of murals using laser-induced breakdown spectroscopy. <i>Journal of Cultural Heritage</i> , 2021, 47, 109-116.	3.3	10
5	A potential method to determine pigment particle size on ancient murals using laser induced breakdown spectroscopy and chemometric analysis. <i>Analytical Methods</i> , 2021, 13, 1381-1391.	2.7	11
6	Expansion dynamics and compression layer in collinear double-pulse laser produced plasmas in a vacuum. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	5
7	Diagnosis of electron temperature and density in the early stage of laser-produced Si plasma expansion. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	4
8	Analysis of metallic elements dissolution in the <i>Astragalus</i> at different decocting time by using LIBS technique. <i>Plasma Science and Technology</i> , 2020, 22, 085501.	1.5	5
9	Investigation of ancient wall paintings in Mogao Grottoes at Dunhuang using laser-induced breakdown spectroscopy. <i>Optics and Laser Technology</i> , 2019, 120, 105689.	4.6	25
10	Using Saha-Boltzmann Plot to Diagnose Lightning Return Stroke Channel Temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4689-4698.	3.3	11
11	Determination of the limits of detection for aluminum-based alloys by spatially resolved single- and double-pulse laser-induced breakdown spectroscopy. <i>Analytical Methods</i> , 2018, 10, 2595-2603.	2.7	14
12	Evaluation of liquid cathode glow discharge-atomic emission spectrometry for determination of copper and lead in ores samples. <i>Talanta</i> , 2017, 164, 216-221.	5.5	49
13	Determination of calcium and zinc in gluconates oral solution and blood samples by liquid cathode glow discharge-atomic emission spectrometry. <i>Talanta</i> , 2017, 175, 150-157.	5.5	44
14	High-Sensitivity Determination of K, Ca, Na, and Mg in Salt Mines Samples by Atomic Emission Spectrometry with a Miniaturized Liquid Cathode Glow Discharge. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-10.	1.6	5
15	Quantitative Analysis of Metallic Elements in Tobacco and Tobacco Ash by Calibration Free Laser-Induced Breakdown Spectroscopy. <i>Analytical Letters</i> , 2012, 45, 1936-1945.	1.8	8
16	Rapid analysis on the heavy metal content of spent zinc-manganese batteries by laser-induced breakdown spectroscopy. <i>Optics and Laser Technology</i> , 2012, 44, 2469-2475.	4.6	26