

Elizabeth J Judge

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

538
citations

759233

12
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometry of intact neutral macromolecules using intense nonresonant femtosecond laser vaporization with electrospray postionization. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3151-3157.	1.5	80
2	Cerium Migration during PEM Fuel Cell Accelerated Stress Testing. <i>Journal of the Electrochemical Society</i> , 2016, 163, F1023-F1031.	2.9	76
3	Analysis of Pharmaceutical Compounds from Glass, Fabric, Steel, and Wood Surfaces at Atmospheric Pressure Using Spatially Resolved, Nonresonant Femtosecond Laser Vaporization Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 3231-3238.	6.5	56
4	Determination of Inorganic Improvised Explosive Device Signatures Using Laser Electrospray Mass Spectrometry Detection with Offline Classification. <i>Analytical Chemistry</i> , 2011, 83, 7115-7122.	6.5	48
5	Laser-induced breakdown spectroscopy measurements of uranium and thorium powders and uranium ore. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 83-84, 28-36.	2.9	46
6	Analysis of geological materials containing uranium using laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 120, 1-8.	2.9	40
7	Analysis and Spectral Assignments of Mixed Actinide Oxide Samples Using Laser-Induced Breakdown Spectroscopy (LIBS). <i>Applied Spectroscopy</i> , 2013, 67, 433-440.	2.2	39
8	Mass Analysis of Biological Macromolecules at Atmospheric Pressure Using Nonresonant Femtosecond Laser Vaporization and Electrospray Ionization. <i>Analytical Chemistry</i> , 2010, 82, 10203-10207.	6.5	32
9	Nonresonant Femtosecond Laser Vaporization with Electrospray Postionization for <i>ex vivo</i> Plant Tissue Typing Using Compressive Linear Classification. <i>Analytical Chemistry</i> , 2011, 83, 2145-2151.	6.5	29
10	Phase discrimination of uranium oxides using laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 134, 91-97.	2.9	22
11	Laser-induced breakdown spectroscopy of light water reactor simulated used nuclear fuel: Main oxide phase. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 133, 26-33.	2.9	21
12	Hydrodeoxygenation (HDO) of Biomass Derived Ketones Using Supported Transition Metals in a Continuous Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14521-14530.	6.7	15
13	Theoretical and experimental investigation of matrix effects observed in emission spectra of binary mixtures of sodium and copper and magnesium and copper pressed powders. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 122, 142-148.	2.9	7
14	A simple and economical strategy for obtaining calibration plots for relative quantification of positional isomers of YXX/XYX triglycerides using high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1690-1698.	1.5	7
15	Synthesis and characterization of surrogate nuclear explosion debris: urban glass matrix. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 197-206.	1.5	6
16	Multidimensional detection of explosives and explosive signatures via laser electrospray mass spectrometry. , 2012, , .		4
17	Purification of precursors of Yb ³⁺ -doped YLF crystals by solvent extraction and electrochemical processing. , 2015, , .		3
18	Limiting spectroscopic interferences of ²³⁹ Pu and ²³⁷ Np in a UO ₂ matrix using LA-ICP-MS. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 533-540.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Uranium corrosion characterization by handheld laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 186, 106325.	2.9	2
20	Digestion and trace metal analysis of uranium nitride. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 209-214.	1.5	1
21	An initial exploration of Bayesian model calibration for estimating the composition of rocks and soils on Mars. Statistical Analysis and Data Mining, 0, , .	2.8	0