

Nicole LaHaye

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

520
citations

12
h-index

16
g-index

16
ext. papers

621
ext. citations

4.1
avg. IF

3.84
L-index

#	Paper	IF	Citations
14	Microstructural classification of unirradiated LiAlO ₂ pellets by deep learning methods. <i>Computational Materials Science</i> , 2020 , 181, 109728	3.2	7
13	Optical spectroscopy of laser-produced plasmas for standoff isotopic analysis. <i>Applied Physics Reviews</i> , 2018 , 5, 021301	17.3	87
12	Two-dimensional fluorescence spectroscopy of uranium isotopes in femtosecond laser ablation plumes. <i>Scientific Reports</i> , 2017 , 7, 3784	4.9	38
11	High-resolution spectroscopy of laser ablation plumes using laser-induced fluorescence. <i>Optics Express</i> , 2017 , 25, 2312-2326	3.3	27
10	Two-dimensional fluorescence spectroscopy of laser-produced plasmas. <i>Optics Letters</i> , 2016 , 41, 3547-50		19
9	The influence of ns- and fs-LA plume local conditions on the performance of a combined LIBS/LA-ICP-MS sensor. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 515-522	3.7	18
8	Spatio-temporal evolution of uranium emission in laser-produced plasmas. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 111, 1-7	3.1	27
7	Background gas collisional effects on expanding fs and ns laser ablation plumes. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 319-326	2.6	57
6	Characterization of laser ablation sample introduction plasma plumes in fs-LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 2267-2274	3.7	6
5	Persistence of uranium emission in laser-produced plasmas. <i>Journal of Applied Physics</i> , 2014 , 115, 163301	2.5	18
4	The influence of laser pulse duration and energy on ICP-MS signal intensity, elemental fractionation, and particle size distribution in NIR fs-LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1420-1429	3.7	25
3	The effect of laser pulse duration on ICP-MS signal intensity, elemental fractionation, and detection limits in fs-LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1781	3.7	24
2	The effect of ultrafast laser wavelength on ablation properties and implications on sample introduction in inductively coupled plasma mass spectrometry. <i>Journal of Applied Physics</i> , 2013 , 114,	2.5	22
1	Experimental and computational study of complex shockwave dynamics in laser ablation plumes in argon atmosphere. <i>Physics of Plasmas</i> , 2012 , 19, 083504	2.1	145