Nicole LaHaye

List of Publications by Citations

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	Experimental and computational study of complex shockwave dynamics in laser ablation plumes in argon atmosphere. *Physics of Plasmas*, **2012**, 19, 083504	2.1	145
13	Optical spectroscopy of laser-produced plasmas for standoff isotopic analysis. *Applied Physics Reviews*, **2018**, 5, 021301	17.3	87
12	Background gas collisional effects on expanding fs and ns laser ablation plumes. *Applied Physics A: Materials Science and Processing*, **2014**, 117, 319-326	2.6	57
11	Two-dimensional fluorescence spectroscopy of uranium isotopes in femtosecond laser ablation plumes. *Scientific Reports*, **2017**, 7, 3784	4.9	38
10	Spatio-temporal evolution of uranium emission in laser-produced plasmas. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2015**, 111, 1-7	3.1	27
9	High-resolution spectroscopy of laser ablation plumes using laser-induced fluorescence. *Optics Express*, **2017**, 25, 2312-2326	3.3	27
8	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. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 1420-1429	3.7	25
7	The effect of laser pulse duration on ICP-MS signal intensity, elemental fractionation, and detection limits in fs-LA-ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 1781	3.7	24
6	The effect of ultrafast laser wavelength on ablation properties and implications on sample introduction in inductively coupled plasma mass spectrometry. *Journal of Applied Physics*, **2013**, 114,	2.5	22
5	Two-dimensional fluorescence spectroscopy of laser-produced plasmas. *Optics Letters*, **2016**, 41, 3547-50	3	19
4	The influence of ns- and fs-LA plume local conditions on the performance of a combined LIBS/LA-ICP-MS sensor. *Journal of Analytical Atomic Spectrometry*, **2016**, 31, 515-522	3.7	18
3	Persistence of uranium emission in laser-produced plasmas. *Journal of Applied Physics*, **2014**, 115, 163301	2.5	18
2	Microstructural classification of unirradiated LiAlO2 pellets by deep learning methods. *Computational Materials Science*, **2020**, 181, 109728	3.2	7
1	Characterization of laser ablation sample introduction plasma plumes in fs-LA-ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 2267-2274	3.7	6