

# Jorge Serrano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4205094/publications.pdf>

Version: 2024-02-01

10  
papers

369  
citations

933447

10  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular signatures in femtosecond laser-induced organic plasmas: comparison with nanosecond laser ablation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2398-2408.	2.8	43
2	Sensing Signatures Mediated by Chemical Structure of Molecular Solids in Laser-Induced Plasmas. <i>Analytical Chemistry</i> , 2015, 87, 2794-2801.	6.5	47
3	Exploring the formation routes of diatomic hydrogenated radicals using femtosecond laser-induced breakdown spectroscopy of deuterated molecular solids. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2343-2352.	3.0	31
4	Evaluation of laser-induced breakdown spectroscopy analysis potential for addressing radiological threats from a distance. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 96, 12-20.	2.9	31
5	Range-Adaptive Standoff Recognition of Explosive Fingerprints on Solid Surfaces using a Supervised Learning Method and Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2014, 86, 5045-5052.	6.5	35
6	Advanced recognition of explosives in traces on polymer surfaces using LIBS and supervised learning classifiers. <i>Analytica Chimica Acta</i> , 2014, 806, 107-116.	5.4	44
7	Potential of laser-induced breakdown spectroscopy for discrimination of nano-sized carbon materials. Insights on the optical characterization of graphene. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 97, 105-112.	2.9	12
8	Recognition of explosives fingerprints on objects for courier services using machine learning methods and laser-induced breakdown spectroscopy. <i>Talanta</i> , 2013, 110, 108-117.	5.5	39
9	Evaluating the use of standoff LIBS in architectural heritage: surveying the Cathedral of Málaga. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 810.	3.0	49
10	New chemometrics in laser-induced breakdown spectroscopy for recognizing explosive residues. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 2111.	3.0	38