

# Valeria Spizzichino

## List of Publications by Year in descending order

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36  
papers

862  
citations

687335

13  
h-index

501174

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g-index

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all docs

36  
docs citations

36  
times ranked

772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative laser induced breakdown spectroscopy analysis of ancient marbles and corrections for the variability of plasma parameters and of ablation rate. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 429.	3.0	101
2	Methodologies for laboratory Laser Induced Breakdown Spectroscopy semi-quantitative and quantitative analysis—A review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1097-1108.	2.9	101
3	Laser-induced breakdown spectroscopy for semi-quantitative and quantitative analyses of artworks—application on multi-layered ceramics and copper based alloys. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 1219-1234.	2.9	95
4	Underwater sediment analyses by laser induced breakdown spectroscopy and calibration procedure for fluctuating plasma parameters. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 30-39.	2.9	71
5	Laser Induced Breakdown Spectroscopy in archeometry: A review of its application and future perspectives. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 99, 201-209.	2.9	67
6	LIBS as a diagnostic tool during the laser cleaning of copper based alloys: experimental results. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 502.	3.0	66
7	Influence of laser wavelength on LIBS diagnostics applied to the analysis of ancient bronzes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 272-280.	3.7	51
8	Characterisation of lustre and pigment composition in ancient pottery by laser induced fluorescence and breakdown spectroscopy. <i>Journal of Cultural Heritage</i> , 2003, 4, 303-308.	3.3	46
9	Analysis of fresco by laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 702-706.	2.9	40
10	Quantitative analysis of bronze samples by laser-induced breakdown spectroscopy (LIBS): A new approach, model, and experiment. <i>Laser Physics</i> , 2006, 16, 455-467.	1.2	36
11	Laser ablation of copper based alloys by single and double pulse laser induced breakdown spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 85, 151-157.	2.3	36
12	Biodeterioration of Roman hypogea: the case study of the Catacombs of SS. Marcellino and Pietro (Rome, Italy). <i>Annals of Microbiology</i> , 2019, 69, 1023-1032.	2.6	36
13	Characterization and Discrimination of Plastic Materials Using Laser-Induced Fluorescence. <i>Applied Spectroscopy</i> , 2016, 70, 1001-1008.	2.2	20
14	Laser-induced breakdown spectroscopy analysis of asbestos. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1115-1120.	2.9	12
15	Scanning flow cytometer modified to distinguish phytoplankton cells from their effective size, effective refractive index, depolarization, and fluorescence. <i>Applied Optics</i> , 2008, 47, 4405.	2.1	11
16	Laser-induced breakdown spectroscopy as a diagnostic tool for thin films elemental composition. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1098-1102.	2.9	10
17	Noninvasive analyses of low-contrast images on ancient textiles: The case of the Shroud of Arquata. <i>Journal of Cultural Heritage</i> , 2016, 17, 14-19.	3.3	10
18	In situ study of modern synthetic materials and pigments in contemporary paintings by laser-induced fluorescence scanning. <i>Studies in Conservation</i> , 2015, 60, S178-S184.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Laser scanners for remote diagnostic and virtual fruition of cultural heritage. Optical and Quantum Electronics, 2017, 49, 1.	3.3	8
20	Non-destructive laser based techniques for biodegradation analysis in cultural heritage. NDT and E International, 2019, 104, 108-113.	3.7	6
21	First studies of pico- and nanoplankton populations by a laser scanning flow cytometer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 876-882.	2.3	5
22	Multispectral imaging system based on laser-induced fluorescence for security applications. , 2016, , .		5
23	Gas phase analysis of laser ablated biomolecules and their clusters with metals. Thin Solid Films, 2004, 453-454, 589-593.	1.8	4
24	Quantitative elemental analyses of archaeological materials by laser-induced breakdown spectroscopy (LIBS): an overview. , 2005, , .		3
25	Nanomaterials for Conservation of Artistic Stones: Performance and Removal Tests by Laser Cleaning. Journal of Nano Research, 2017, 46, 225-233.	0.8	3
26	Stand-Off Device for Plastic Debris Recognition in Post-Blast Scenarios. Challenges, 2016, 7, 23.	1.7	2
27	Rapid analysis of marble treatments by laser induced fluorescence. Optical and Quantum Electronics, 2020, 52, 1.	3.3	2
28	Origin Determination of Mediterranean Marbles by Laser Induced Fluorescence. Lecture Notes in Computer Science, 2018, , 212-223.	1.3	2
29	High resolution laser remote imaging innovative tools for preservation of painted surfaces: information from reflectance and fluorescence data. Proceedings of SPIE, 2013, , .	0.8	1
30	Rapid and label-free screening and identification of Anthrax simulants by Surface Enhanced Raman Spectroscopy. , 2014, , .		1
31	Study of ancient egyptian artefacts by non-destructive laser based techniques. , 2018, , .		1
32	Remote colorimetric measurements by hyperspectral lidar compared to contact conventional colorimetry. Color Research and Application, 2021, 46, 281-293.	1.6	1
33	Laser-induced plasma spectroscopy: principles, methods and applications. AIP Conference Proceedings, 2006, , .	0.4	0
34	Principal component analysis of data from laser scanning flow cytometry. , 2011, , .		0
35	Image processing from laser scanners for remote diagnostic and virtual fruition of cultural heritage. , 2015, , .		0
36	Characterization of Bacilli Spores by Surface-Enhanced Raman Spectroscopy, a Fast and Reliable Technique for Early Warning of Biological Threats. Lecture Notes in Electrical Engineering, 2015, , 19-22.	0.4	0