Valeria Spizzichino

List of Publications by Year
in descending order

36 papers	862 citations	777949 13 h-index	563245 28 g-index
36 all docs	36 docs citations	36 times ranked	843 citing authors

#	Article	IF	Citations
1	Remote colorimetric measurements by hyperspectral lidar compared to contact conventional colorimetry. Color Research and Application, 2021, 46, 281-293.	0.8	1
2	Rapid analysis of marble treatments by laser induced fluorescence. Optical and Quantum Electronics, 2020, 52, 1.	1.5	2
3	Non-destructive laser based techniques for biodegradation analysis in cultural heritage. NDT and E International, 2019, 104, 108-113.	1.7	6
4	Biodeterioration of Roman hypogea: the case study of the Catacombs of SS. Marcellino and Pietro (Rome, Italy). Annals of Microbiology, 2019, 69, 1023-1032.	1.1	36
5	Study of ancient egyptian artefacts by non-destructive laser based techniques. , 2018, , .		1
6	Origin Determination of Mediterranean Marbles by Laser Induced Fluorescence. Lecture Notes in Computer Science, 2018, , 212-223.	1.0	2
7	Nanomaterials for Conservation of Artistic Stones: Performance and Removal Tests by Laser Cleaning. Journal of Nano Research, 2017, 46, 225-233.	0.8	3
8	Laser scanners for remote diagnostic and virtual fruition of cultural heritage. Optical and Quantum Electronics, 2017, 49, 1.	1.5	8
9	Stand-Off Device for Plastic Debris Recognition in Post-Blast Scenarios. Challenges, 2016, 7, 23.	0.9	2
10	Characterization and Discrimination of Plastic Materials Using Laser-Induced Fluorescence. Applied Spectroscopy, 2016, 70, 1001-1008.	1.2	20
11	Multispectral imaging system based on laser-induced fluorescence for security applications. , 2016, , .		5
12	Noninvasive analyses of low-contrast images on ancient textiles: The case of the Shroud of Arquata. Journal of Cultural Heritage, 2016, 17, 14-19.	1.5	10
13	In situstudy of modern synthetic materials and pigments in contemporary paintings by laser-induced fluorescence scanning. Studies in Conservation, 2015, 60, S178-S184.	0.6	9
14	Image processing from laser scanners for remote diagnostic and virtual fruition of cultural heritage. , 2015, , .		0
15	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.	0.3	0
16	Rapid and label-free screening and identification of Anthrax simulants by Surface Enhanced Raman Spectroscopy. , 2014, , .		1
17	Laser Induced Breakdown Spectroscopy in archeometry: A review of its application and future perspectives. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 99, 201-209.	1.5	67
18	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

#	Article	IF	Citations
19	First studies of pico- and nanoplankton populations by a laser scanning flow cytometer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 876-882.	1.1	5
20	Principal component analysis of data from laser scanning flow cytometry. , 2011, , .		0
21	Analysis of fresco by laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 702-706.	1.5	40
22	Methodologies for laboratory Laser Induced Breakdown Spectroscopy semi-quantitative and quantitative analysisâ€"A review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 1097-1108.	1.5	101
23	Scanning flow cytometer modified to distinguish phytoplankton cells from their effective size, effective refractive index, depolarization, and fluorescence. Applied Optics, 2008, 47, 4405.	2.1	11
24	Underwater sediment analyses by laser induced breakdown spectroscopy and calibration procedure for fluctuating plasma parameters. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 30-39.	1.5	71
25	Quantitative analysis of bronze samples by laser-induced breakdown spectroscopy (LIBS): A new approach, model, and experiment. Laser Physics, 2006, 16, 455-467.	0.6	36
26	Laser ablation of copper based alloys by single and double pulse laser induced breakdown spectroscopy. Applied Physics A: Materials Science and Processing, 2006, 85, 151-157.	1.1	36
27	Influence of laser wavelength on LIBS diagnostics applied to the analysis of ancient bronzes. Analytical and Bioanalytical Chemistry, 2006, 385, 272-280.	1.9	51
28	Laser-induced plasma spectroscopy: principles, methods and applications. AIP Conference Proceedings, 2006, , .	0.3	0
29	Laser-induced breakdown spectroscopy as a diagnostic tool for thin films elemental composition. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 1098-1102.	1.5	10
30	Laser-induced breakdown spectroscopy analysis of asbestos. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 1115-1120.	1.5	12
31	Quantitative elemental analyses of archaeological materials by laser-induced breakdown spectroscopy (LIBS): an overview. , 2005, , .		3
32	Gas phase analysis of laser ablated biomolecules and their clusters with metals. Thin Solid Films, 2004, 453-454, 589-593.	0.8	4
33	Quantitative laser induced breakdown spectroscopy analysis of ancient marbles and corrections for the variability of plasma parameters and of ablation rate. Journal of Analytical Atomic Spectrometry, 2004, 19, 429.	1.6	101
34	LIBS as a diagnostic tool during the laser cleaning of copper based alloys: experimental results. Journal of Analytical Atomic Spectrometry, 2004, 19, 502.	1.6	66
35	Characterisation of lustre and pigment composition in ancient pottery by laser induced fluorescence and breakdown spectroscopy. Journal of Cultural Heritage, 2003, 4, 303-308.	1.5	46
36	Laser-induced breakdown spectroscopy for semi-quantitative and quantitative analyses of artworksâ€"application on multi-layered ceramics and copper based alloys. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1219-1234.	1.5	95