Theodosia Stratoudaki

List of Publications by Year
in descending order

31 papers	696 citations	687363 13 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	553 citing authors

#	Article	IF	Citations
1	Pigment Identification in Painted Artworks: A Dual Analytical Approach Employing Laser-Induced Breakdown Spectroscopy and Raman Microscopy. Applied Spectroscopy, 2000, 54, 463-469.	2.2	114
2	Laser-induced breakdown spectroscopy for on-line control of laser cleaning of sandstone and stained glass. Applied Physics A: Materials Science and Processing, 1999, 69, 441-444.	2.3	84
3	Yellowing effect and discoloration of pigments: experimental and theoretical studies. Journal of Cultural Heritage, 2003, 4, 249-256.	3.3	71
4	Analysis of pigments in polychromes by use of laser induced breakdown spectroscopy and Raman microscopy. Journal of Molecular Structure, 2000, 550-551, 191-198.	3.6	68
5	Laser induced ultrasonic phased array using full matrix capture data acquisition and total focusing method. Optics Express, 2016, 24, 21921.	3.4	57
6	LIBS-spectroscopy for monitoring and control of the laser cleaning process of stone and medieval glass. Journal of Cultural Heritage, 2000, 1, S287-S292.	3.3	42
7	Laser Induced Phased Arrays (LIPA) to detect nested features in additively manufactured components. Materials and Design, 2020, 187, 108412.	7.0	42
8	Comparative study of different wavelengths from IR to UV applied to clean sandstone. Applied Surface Science, 2000, 157, 1-6.	6.1	41
9	Measurement of material nonlinearity using surface acoustic wave parametric interaction and laser ultrasonics. Journal of the Acoustical Society of America, 2011, 129, 1721-1728.	1.1	36
10	Discoloration of Pigments Induced by Laser Irradiation. Surface Engineering, 2001, 17, 249-253.	2.2	24
11	Cheap optical transducers (CHOTs) for narrowband ultrasonic applications. Measurement Science and Technology, 2007, 18, 843-851.	2.6	24
12	Laser-induced breakdown spectroscopy and Raman microscopy for analysis of pigments in polychromes. Journal of Cultural Heritage, 2000, 1, S297-S302.	3.3	22
13	Determination of the acoustoelastic coefficient for surface acoustic waves using dynamic acoustoelastography: An alternative to static strain. Journal of the Acoustical Society of America, 2014, 135, 1064-1070.	1.1	13
14	Measurement of elastic nonlinearity using remote laser ultrasonics and CHeap Optical Transducers and dual frequency surface acoustic waves. Ultrasonics, 2008, 48, 471-477.	3.9	12
15	Full matrix capture and the total focusing imaging algorithm using laser induced ultrasonic phased arrays. AIP Conference Proceedings, 2017, , .	0.4	12
16	Laser generated ultrasound: efficiency and damage thresholds in carbon fibre reinforced composites. IET Science, Measurement and Technology, 2001, 148, 139-142.	0.7	4
17	The role of epoxy resin in the mechanism of laser-generated ultrasound in carbon-fiber-reinforced composites. , 2003, , .		4
18	Design and experimental study of microcantilever ultrasonic detection transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2722-2732.	3.0	4

#	Article	IF	Citations
19	CHOTs optical transducers. Nondestructive Testing and Evaluation, 2011, 26, 353-366.	2.1	4
20	Remote Ultrasonic Imaging of a Wire Arc Additive Manufactured Ti-6Al-4V Component using Laser Induced Phased Array. , 2021, , .		4
21	Evanescent CHOTs for the optical generation and detection of ultrahigh frequency SAWs. , 2009, , .		3
22	Laser-based ultrasound measurements of optical absorption depth in epoxy resins. , 2002, , .		2
23	LASER ULTRASONICS FOR DETECTION OF ELASTIC NONLINEARITY USING COLLINEAR MIXING OF SURFACE ACOUSTIC WAVES. , 2010, , .		2
24	CHeap Optical Transducers (CHOTs) for generation and detection of longitudinal waves. , 2012, , .		2
25	<title>Noncontact ultrasound studies of composite materials: new developments</title>. , 2000, 3993, 268.		1
26	Study of a high efficiency optical MEMS transducer for the generation of narrowband laser ultrasound. Journal of Physics: Conference Series, 2010, 214, 012103.	0.4	1
27	A laser-activated MEMS transducer for efficient generation of narrowband longitudinal ultrasonic waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 470-476.	3.0	1
28	Optical MEMs transducers with enhanced efficiency and sensitivity. Journal of Physics: Conference Series, 2012, 353, 012002.	0.4	1
29	Cleaning of Ceramics Using Lasers of Different Wavelength. , 2000, , 213-217.		1
30	The effect of laser wavelength on the efficiency of laser-generated ultrasound for the inspection of CFRCs. Insight: Non-Destructive Testing and Condition Monitoring, 2003, 45, 186-189.	0.6	0
31	Fabrication of Cheap Optical Transducers (CHOTs) on film carriers for in-situ application and generation of surface acoustic waves. Journal of Physics: Conference Series, 2015, 581, 012010.	0.4	0