

Yannis Orphanos

List of Publications by Year in descending order

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15
papers

89
citations

1684188

5
h-index

1474206

9
g-index

15
all docs

15
docs citations

15
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	High acoustic strains in Si through ultrafast laser excitation of Ti thin-film transducers. Optics Express, 2015, 23, 17191.	3.4	18
2	An integrated method for material properties characterization based on pulsed laser generated surface acoustic waves. Microelectronic Engineering, 2013, 112, 249-254.	2.4	15
3	The thermo-mechanical behavior of thin metal films under nanosecond laser pulse excitation above the thermoelastic regime. Applied Physics A: Materials Science and Processing, 2015, 118, 739-748.	2.3	12
4	Innovative Education and Training in high power laser plasmas (PowerLaPs) for plasma physics, high power laser-matter interactions and high energy density physics – theory and experiments. High Power Laser Science and Engineering, 2019, 7, .	4.6	7
5	Integrated nanosecond laser full-field imaging for femtosecond laser-generated surface acoustic waves in metal film-glass substrate multilayer materials. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	7
6	Acoustics of the Chelys – An ancient Greek tortoise-shell lyre. Applied Acoustics, 2012, 73, 478-483.	3.3	6
7	Innovative education and training in high power laser plasmas (PowerLaPs) for plasma physics, high power laser matter interactions and high energy density physics: experimental diagnostics and simulations. High Power Laser Science and Engineering, 2020, 8, .	4.6	6
8	On the correlation of light and sound radiation following laser-induced breakdown in air. Journal Physics D: Applied Physics, 2020, 53, 435207.	2.8	5
9	Laser-Based Interferometric Techniques for the Study of Musical Instruments. A NIME Reader Fifteen Years of New Interfaces for Musical Expression, 2019, , 251-268.	0.1	4
10	Downscaled Finite Element Modeling of Metal Targets for Surface Roughness Level under Pulsed Laser Irradiation. Applied Sciences (Switzerland), 2021, 11, 1253.	2.5	4
11	Detection-depended parameters of internal defect mapping in fringe-based analysis. , 2004, , .		2
12	Simulation of the Transient Behavior of Matter with Characteristic Geometrical Variations & Defects Irradiated by Nanosecond Laser Pulses Using FEA. Key Engineering Materials, 0, 665, 157-160.	0.4	1
13	Innovative education and training in high power laser plasmas (PowerLaPs) for plasma physics, high power laser matter interactions and high energy density physics: experimental diagnostics and simulations – CORRIGENDUM. High Power Laser Science and Engineering, 2020, 8, .	4.6	1
14	Experimentally validated modeling of the optical energy deposition in highly ionized ambient air by strong femtosecond laser pulses. European Physical Journal D, 2021, 75, 1.	1.3	1
15	Electroholographic display with SLM. Proceedings of SPIE, 2007, , .	0.8	0