

Kateryna Zelenska

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

91
citations

1684188
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1474206
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g-index

21
all docs

21
docs citations

21
times ranked

77
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal mechanisms of laser marking in transparent polymers with light-absorbing microparticles. Optics and Laser Technology, 2016, 76, 96-100.	4.6	29
2	Modification of the CdTe-In Interface by Irradiation with Nanosecond Laser Pulses through the CdTe Crystal. Journal of Laser Micro Nanoengineering, 2015, 10, 298-303.	0.1	10
3	Laser-induced incandescence of carbon surface: a method for temperature estimation. Proceedings of SPIE, 2013, , .	0.8	8
4	Nonlinear characteristics of laser-induced incandescence of rough carbon surfaces. , 2012, , .		7
5	Comparative study of In/CdTe/Au Schottky- and p-n junction-diode detectors formed by backside laser irradiation doping. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164683.	1.6	6
6	Laser-induced thermal emission of rough carbon surfaces. Journal of Laser Applications, 2020, 32, 012010.	1.7	5
7	Laser-based technique of formation of CdTe " metal diode structures for high energy radiation detectors. , 2016, , .		4
8	Capabilities of Laser-Induced Marks as Information Carriers Created in Different Materials. Journal of Laser Micro Nanoengineering, 2016, 11, 164-169.	0.1	4
9	Laser-induced incandescence of carbon surface at various values of ambient air pressure. , 2014, , .		3
10	Synchrotron radiation x-ray photoelectron spectroscopic study of CdTe-in structures formed by laser-induced doping technique. AIP Conference Proceedings, 2018, , .	0.4	3
11	Kinetics of light scattering in an epoxy resin suspension of carbon microparticles. Journal of Applied Spectroscopy, 2011, 78, 371-376.	0.7	2
12	Laser marking in transparent materials and mechanisms of laser-induced defect formation laser-induced marks as information carriers in digital encoding. , 2014, , .		2
13	Formation of diode detectors by nanosecond laser irradiation of CdTe-In interface from the semiconductor side. , 2015, , .		2
14	XPS Study of the In/CdTe Interface Modified by Nanosecond Laser Irradiation. Lecture Notes in Networks and Systems, 2019, , 73-79.	0.7	2
15	Pulsed laser deposition of indium on the CdTe crystal surface for contact formation. , 2018, , .		2
16	Enhanced X/γ-Ray Detection Efficiency in CdTe-based Schottky Diode Detectors Operated in a Stacked Mode. , 2017, , .		1
17	Laser Doped Layer in CdTe Diode Detectors Revealed by Synchrotron XPS. , 2018, , .		1
18	Impact of laser-induced pore expansion on thermal emission of porous carbon. Materials Today: Proceedings, 2017, 4, 6658-6665.	1.8	0

#	ARTICLE	IF	CITATIONS
19	X \hat{f} ³ -Ray Detector Modules with Stacked CdTe-Based Schottky Diodes. , 2018, , .		0
20	Controllable Doping of CdTe and Formation of PN Junction Diodes by Backside Laser Irradiation. , 2019, , .		0
21	On the possibility of visualization of relief of rough surfaces via laser induced thermal emission. , 2021, , .		0