Simonas IndriÅ¡iÅ«nas

List of Publications by Year
in descending order

23 papers	262 citations	933447 10 h-index	940533 16 g-index
23 all docs	23 docs citations	23 times ranked	335 citing authors

#	Article	IF	Citations
1	Nanoscale thermal diffusion during the laser interference ablation using femto-, pico-, and nanosecond pulses in silicon. Physical Chemistry Chemical Physics, 2018, 20, 12166-12174.	2.8	35
2	Direct and High-Throughput Fabrication of Mie-Resonant Metasurfaces via Single-Pulse Laser Interference. ACS Nano, 2020, 14, 6138-6149.	14.6	34
3	Two complementary ways of thin-metal-film patterning using laser beam interference and direct ablation. Journal of Micromechanics and Microengineering, 2013, 23, 095034.	2.6	22
4	New opportunities for custom-shape patterning using polarization control in confocal laser beam interference setup. Journal of Laser Applications, 2017, 29, .	1.7	20
5	AlGaN/GaN on SiC Devices without a GaN Buffer Layer: Electrical and Noise Characteristics. Micromachines, 2020, 11, 1131.	2.9	19
6	Thermo-chemical microstructuring of thin metal films using multi-beam interference by short (nano-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	17
7	Focusing of Terahertz Radiation With Laser-Ablated Antireflective Structures. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 541-548.	3.1	17
8	Laser-processed diffractive lenses for the frequency range of 47â€‰â€‰THz. Optics Letters, 2019, 44, 1210.	3.3	16
9	Laser-induced spatially-selective tailoring of high-index dielectric metasurfaces. Optics Express, 2020, 28, 1539.	3.4	14
10	Flexible materials for terahertz optics: advantages of graphite-based structures. Optical Materials Express, 2019, 9, 4438.	3.0	12
11	Compact diffractive optics for THz imaging. Lithuanian Journal of Physics, 2018, 58, .	0.4	11
12	Direct laser beam interference patterning technique for fast high aspect ratio surface structuring. Proceedings of SPIE, 2015, , .	0.8	9
13	Processing of ultra-hard materials with picosecond pulses: From research work to industrial applications. Journal of Laser Applications, 2018, 30, 032202.	1.7	8
14	Laser processing for precise fabrication of the THz optics. Proceedings of SPIE, 2017, , .	0.8	6
15	Surface Laser Processing of Additive Manufactured 1.2709 Steel Parts: Preliminary Study. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	6
16	Effect of Laser Processing on Surface Properties of Additively Manufactured 18-Percent Nickel Maraging Steel Parts. Coatings, 2020, 10, 600.	2.6	5
17	Laser Processing of Transparent Wafers with a AlGaN/GaN Heterostructures and High-Electron Mobility Devices on a Backside. Micromachines, 2021, 12, 407.	2.9	4
18	Laser-Ablated Silicon in the Frequency Range From 0.1 to 4.7 THz. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 581-586.	3.1	3

#	Article	IF	Citations
19	Application of Laser Texturing in Silicon Solar Cell Technology. Medziagotyra, 2014, 20, .	0.2	2
20	Laser-Ablated Antireflective Structures for Terahertz Radiation Focusing. , 2018, , .		1
21	Laser-processed diffractive optics for terahertz waves. , 2019, , .		1
22	Micro-channel drilling of Ni and Pt films on silicon by using laser beam interference ablation for solid oxide fuel cells. , 2011, , .		0
23	Fibonacci subterahertz imaging: features and applications. , 2019, , .		0