

Gediminas Gervinskas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10945023/publications.pdf>

Version: 2024-02-01

29
papers

1,322
citations

567281

15
h-index

610901

24
g-index

29
all docs

29
docs citations

29
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Bactericidal activity of black silicon. <i>Nature Communications</i> , 2013, 4, 2838.	12.8	731
2	Versatile SERS sensing based on black silicon. <i>Optics Express</i> , 2015, 23, 6763.	3.4	71
3	Black silicon: substrate for laser 3D micro/nano-polymerization. <i>Optics Express</i> , 2013, 21, 6901.	3.4	67
4	Topological Shaping of Light by Closed-Path Nanoslits. <i>Physical Review Letters</i> , 2013, 111, 193901.	7.8	63
5	Spatial Variations and Temporal Metastability of the Self-Cleaning and Superhydrophobic Properties of Damselfly Wings. <i>Langmuir</i> , 2012, 28, 17404-17409.	3.5	55
6	Surface-enhanced Raman scattering sensing on black silicon. <i>Annalen Der Physik</i> , 2013, 525, 907-914.	2.4	55
7	Nanotopography as a trigger for the microscale, autogenous and passive lysis of erythrocytes. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2819-2826.	5.8	45
8	Antifungal versus antibacterial defence of insect wings. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 886-897.	9.4	27
9	High-spatial-resolution mapping of superhydrophobic cicada wing surface chemistry using infrared microspectroscopy and infrared imaging at two synchrotron beamlines. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 482-489.	2.4	24
10	High-precision interferometric monitoring of polymer swelling using a simple optofluidic sensor. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 39-43.	7.8	22
11	Plasmonic color analysis of Ag-coated black-Si SERS substrate. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30461-30467.	2.8	20
12	3D nano-structures for laser nano-manipulation. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 534-541.	2.8	18
13	Control of surface charge for high-fidelity nanostructuring of materials. <i>Laser and Photonics Reviews</i> , 2013, 7, 1049-1053.	8.7	16
14	Phase Transformation in Laser-Induced Micro-Explosion in Olivine (Fe,Mg) ₂ SiO ₄ . <i>Advanced Engineering Materials</i> , 2014, 16, 767-773.	3.5	16
15	Arrays of Arbitrarily Shaped Nanoparticles: Overlay-Errorless Direct Ion Write. <i>Advanced Optical Materials</i> , 2013, 1, 456-459.	7.3	15
16	Three-Dimensional Chemical Mapping of a Single Protein in the Hydrated State with Atom Probe Tomography. <i>Analytical Chemistry</i> , 2020, 92, 5168-5177.	6.5	15
17	Highly selective trapping of enteropathogenic E. coli on Fabry-Pérot sensor mirrors. <i>Biosensors and Bioelectronics</i> , 2012, 35, 369-375.	10.1	12
18	Optofluidic Fabry-Pérot sensor for water solutions at high flow rates. <i>Optical Materials Express</i> , 2012, 2, 279.	3.0	11

#	ARTICLE	IF	CITATIONS
19	Nano-proximity direct ion beam writing. Nanofabrication, 2016, 2, .	1.1	10
20	Chiral plasmonic nanostructures: experimental and numerical tools. , 2013, , .		9
21	Nanoscale coating on tip geometry by cryogenic focused ion beam deposition. Applied Surface Science, 2021, 564, 150355.	6.1	6
22	THz photomixer with milled nanoelectrodes on LT-GaAs. Applied Physics A: Materials Science and Processing, 2014, 117, 439-444.	2.3	5
23	Three-dimensional nanostructuring of polymer materials by controlled avalanche using femtosecond laser pulses. Proceedings of SPIE, 2014, , .	0.8	3
24	Ion-Induced Bending with Applications for High-Resolution Electron Imaging of Nanometer-Sized Samples. ACS Applied Nano Materials, 2021, 4, 12745-12754.	5.0	3
25	Ion-beam and plasma etching of a conical-pores photonic crystal for thin-film solar cell. Proceedings of SPIE, 2013, , .	0.8	2
26	Tailoring plasmonic field enhancement in spatial and spectral domains. , 2012, , .		1
27	High-precision interferometric monitoring of polymer swelling in an one-dollar optofluidic sensor. , 2011, , .		0
28	High-irradiance effects in femosecond laser fabrication. MATEC Web of Conferences, 2013, 8, 04002.	0.2	0
29	Graphene encapsulation enables vitreous ice sample for APT and near-atomic reconstruction of nanoparticle-liquid interface. Microscopy and Microanalysis, 2021, 27, 1270-1271.	0.4	0