

Ricardas Buividas

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,887
citations

623188

14
h-index

839053

18
g-index

23
all docs

23
docs citations

23
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast laser processing of materials: from science to industry. <i>Light: Science and Applications</i> , 2016, 5, e16133-e16133.	7.7	869
2	Surface and bulk structuring of materials by ripples with long and short laser pulses: Recent advances. <i>Progress in Quantum Electronics</i> , 2014, 38, 119-156.	3.5	251
3	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. <i>Light: Science and Applications</i> , 2017, 6, e17112-e17112.	7.7	177
4	SERS substrate for detection of explosives. <i>Nanoscale</i> , 2012, 4, 7419.	2.8	122
5	Mechanism of fine ripple formation on surfaces of (semi)transparent materials via a half-wavelength cavity feedback. <i>Nanotechnology</i> , 2011, 22, 055304.	1.3	96
6	Nano-groove and 3D fabrication by controlled avalanche using femtosecond laser pulses. <i>Optical Materials Express</i> , 2013, 3, 1674.	1.6	77
7	Femtosecond laser induced density changes in GeO ₂ and SiO ₂ glasses: fictive temperature effect [Invited]. <i>Optical Materials Express</i> , 2011, 1, 605.	1.6	53
8	A bactericidal microfluidic device constructed using nano-textured black silicon. <i>RSC Advances</i> , 2016, 6, 26300-26306.	1.7	44
9	Statistically quantified measurement of an Alzheimer's marker by surface-enhanced Raman scattering. <i>Journal of Biophotonics</i> , 2015, 8, 567-574.	1.1	40
10	Hybrid subtractive-additive-welding microfabrication for lab-on-chip applications via single amplified femtosecond laser source. <i>Optical Engineering</i> , 2017, 56, 1.	0.5	34
11	Thermal imaging of a heat transport in regions structured by femtosecond laser. <i>Optics Express</i> , 2011, 19, 20542.	1.7	25
12	Light enhancement in surface-enhanced Raman scattering at oblique incidence. <i>Photonic Sensors</i> , 2012, 2, 283-288.	2.5	20
13	Novel method to determine the actual surface area of a laser-nanotextured sensor. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 169-175.	1.1	17
14	Phase Transformation in Laser-Induced Micro-Explosion in Olivine (Fe,Mg) ₂ SiO ₄ . <i>Advanced Engineering Materials</i> , 2014, 16, 767-773.	1.6	16
15	Three-Dimensional Organization of Self-Encapsulating <i>Gluconobacter oxydans</i> Bacterial Cells. <i>ACS Omega</i> , 2017, 2, 8099-8107.	1.6	13
16	Femtosecond laser processing – a new enabling technology. <i>Lithuanian Journal of Physics</i> , 2012, 52, 301-311.	0.1	13
17	Ripple-patterned substrates for light enhancement applications. <i>Proceedings of SPIE</i> , 2010, , .	0.8	9
18	Thermal and optical properties of sol-gel and SU-8 resists. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8

#	ARTICLE	IF	CITATIONS
19	Surface patterning by ripples using femtosecond laser for sensing and opto-fluidics. , 2012, , .		3
20	Alumina-embedded Au nanowires for SERS sensing. , 2011, , .		0
21	Surface and volume structuring by ripples in femtosecond laser fabrication. , 2011, , .		0
22	Characterization of optical polarization converters made by femtosecond laser writing. , 2013, , .		0
23	High-irradiance effects in femosecond laser fabrication. MATEC Web of Conferences, 2013, 8, 04002.	0.1	0