

Ricardas Buividas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

1,364
citations

13
h-index

23
g-index

23
ext. papers

1,663
ext. citations

4.8
avg, IF

4.48
L-index

#	Paper	IF	Citations
20	Ultrafast laser processing of materials: from science to industry. <i>Light: Science and Applications</i> , 2016 , 5, e16133	16.7	573
19	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	9.1	209
18	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. <i>Light: Science and Applications</i> , 2017 , 6, e17112	16.7	122
17	SERS substrate for detection of explosives. <i>Nanoscale</i> , 2012 , 4, 7419-24	7.7	100
16	Mechanism of fine ripple formation on surfaces of (semi)transparent materials via a half-wavelength cavity feedback. <i>Nanotechnology</i> , 2011 , 22, 055304	3.4	76
15	Nano-groove and 3D fabrication by controlled avalanche using femtosecond laser pulses. <i>Optical Materials Express</i> , 2013 , 3, 1674	2.6	62
14	Femtosecond laser induced density changes in GeO ₂ and SiO ₂ glasses: fictive temperature effect [Invited]. <i>Optical Materials Express</i> , 2011 , 1, 605	2.6	41
13	A bactericidal microfluidic device constructed using nano-textured black silicon. <i>RSC Advances</i> , 2016 , 6, 26300-26306	3.7	30
12	Statistically quantified measurement of an Alzheimer's marker by surface-enhanced Raman scattering. <i>Journal of Biophotonics</i> , 2015 , 8, 567-74	3.1	29
11	Hybrid subtractive-additive-welding microfabrication for lab-on-chip applications via single amplified femtosecond laser source. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	27
10	Thermal imaging of a heat transport in regions structured by femtosecond laser. <i>Optics Express</i> , 2011 , 19, 20542-50	3.3	20
9	Light enhancement in surface-enhanced Raman scattering at oblique incidence. <i>Photonic Sensors</i> , 2012 , 2, 283-288	2.3	14
8	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	13
7	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	2.6	13
6	Femtosecond laser processing as a new enabling technology. <i>Lithuanian Journal of Physics</i> , 2012 , 52, 301-311		11
5	Three-Dimensional Organization of Self-Encapsulating Bacterial Cells. <i>ACS Omega</i> , 2017 , 2, 8099-8107	3.9	10
4	Ripple-patterned substrates for light enhancement applications 2010 ,		7

- 3 Thermal and optical properties of sol-gel and SU-8 resists **2012**, 5
- 2 Surface patterning by ripples using femtosecond laser for sensing and opto-fluidics **2012**, 2
- 1 High-irradiance effects in femosecond laser fabrication. *MATEC Web of Conferences*, **2013**, 8, 04002 0.3