

Lorand Kelemen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

589
citations

759233

12
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional femtosecond laser processing for lab-on-a-chip applications. <i>Nanophotonics</i> , 2018, 7, 613-634.	6.0	134
2	Holographic multi-focus 3D two-photon polymerization with real-time calculated holograms. <i>Optics Express</i> , 2014, 22, 24217.	3.4	96
3	Integrated optical motor. <i>Applied Optics</i> , 2006, 45, 2777.	2.1	65
4	Light sailboats: Laser driven autonomous microrobots. <i>Applied Physics Letters</i> , 2012, 101, 041111.	3.3	46
5	Aminosilane-based functionalization of two-photon polymerized 3D SU-8 microstructures. <i>European Polymer Journal</i> , 2012, 48, 1745-1754.	5.4	35
6	Direct writing of optical microresonators in a lab-on-a-chip for label-free biosensing. <i>Lab on A Chip</i> , 2019, 19, 1985-1990.	6.0	34
7	Surface-modified complex SU-8 microstructures for indirect optical manipulation of single cells. <i>Biomedical Optics Express</i> , 2016, 7, 45.	2.9	32
8	Multiview microscopy of single cells through microstructure-based indirect optical manipulation. <i>Biomedical Optics Express</i> , 2020, 11, 945.	2.9	21
9	Optically Trapped Surface-Enhanced Raman Probes Prepared by Silver Photoreduction to 3D Microstructures. <i>Langmuir</i> , 2015, 31, 10087-10093.	3.5	17
10	Single-Cell Elasticity Measurement with an Optically Actuated Microrobot. <i>Micromachines</i> , 2020, 11, 882.	2.9	17
11	3D Biomimetic Chips for Cancer Cell Migration in Nanometer-Sized Spaces Using "Ship-in-a-Bottle" Femtosecond Laser Processing. <i>ACS Applied Bio Materials</i> , 2018, 1, 1667-1676.	4.6	15
12	Nearly Aberration-Free Multiphoton Polymerization into Thick Photoresist Layers. <i>Micromachines</i> , 2017, 8, 219.	2.9	14
13	Insights into graphene oxide interaction with human serum albumin in isolated state and in blood plasma. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 19-29.	7.5	13
14	Streptococcal antigen I/II binds to extracellular proteins through intermolecular β -sheets. <i>FEBS Letters</i> , 2004, 566, 190-194.	2.8	12
15	DIC image reconstruction using an energy minimization framework to visualize optical path length distribution. <i>Scientific Reports</i> , 2016, 6, 30420.	3.3	12
16	A Triple Combination of Targeting Ligands Increases the Penetration of Nanoparticles across a Blood-Brain Barrier Culture Model. <i>Pharmaceutics</i> , 2022, 14, 86.	4.5	8
17	Optically Manipulated Microtools to Measure Adhesion of the Nanoparticle-Targeting Ligand Glutathione to Brain Endothelial Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39018-39029.	8.0	5
18	Bending dynamics of viscoelastic photopolymer nanowires. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	4

#	ARTICLE	IF	CITATIONS
19	Modulation of the internal structure and surface properties of natural and synthetic polymer matrices by graphene oxide doping. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1562-1570.	3.2	3
20	Assessing the Viscoelasticity of Photopolymer Nanowires Using a Three-Parameter Solid Model for Bending Recovery Motion. <i>Nanomaterials</i> , 2021, 11, 2961.	4.1	3
21	Power Spectral Density Analysis of Nanowire-Anchored Fluctuating Microbead Reveals a Double Lorentzian Distribution. <i>Mathematics</i> , 2021, 9, 1748.	2.2	2
22	Contributory presentations/posters. <i>Journal of Biosciences</i> , 1999, 24, 33-198.	1.1	0