

Baoshan Guo

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

518
citations

840776

11
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical time-stretch imaging: Principles and applications. <i>Applied Physics Reviews</i> , 2016, 3, 011102.	11.3	93
2	Label-free detection of cellular drug responses by high-throughput bright-field imaging and machine learning. <i>Scientific Reports</i> , 2017, 7, 12454.	3.3	78
3	Ultrafast dynamics observation during femtosecond laser-material interaction. <i>International Journal of Extreme Manufacturing</i> , 2019, 1, 032004.	12.7	63
4	High-throughput, label-free, single-cell, microalgal lipid screening by machine-learning-equipped optofluidic time-stretch quantitative phase microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 494-502.	1.5	60
5	Femtosecond Laser Micro/Nano-manufacturing: Theories, Measurements, Methods, and Applications. <i>Nanomanufacturing and Metrology</i> , 2020, 3, 26-67.	3.0	48
6	Optofluidic time-stretch quantitative phase microscopy. <i>Methods</i> , 2018, 136, 116-125.	3.8	35
7	Plasmonic very-small-aperture lasers. <i>Applied Physics Letters</i> , 2007, 91, 021103.	3.3	30
8	High-Throughput Accurate Single-Cell Screening of <i>Euglena gracilis</i> with Fluorescence-Assisted Optofluidic Time-Stretch Microscopy. <i>PLoS ONE</i> , 2016, 11, e0166214.	2.5	23
9	Effects of Flow-induced Microfluidic Chip Wall Deformation on Imaging Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 909-920.	1.5	20
10	Numerical study of sub-wavelength plasmonic waveguide. <i>Optics Communications</i> , 2008, 281, 1123-1128.	2.1	14
11	GHz Optical Time-Stretch Microscopy by Compressive Sensing. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	12
12	Resonant Enhanced Wave Filter and Waveguide via Surface Plasmons. <i>IEEE Nanotechnology Magazine</i> , 2009, 8, 408-411.	2.0	11
13	Slowing and trapping THz waves system based on plasmonic graded period grating. <i>Journal of Optics (India)</i> , 2016, 45, 50-57.	1.7	6
14	Revealing the Truth About "Trapped Rainbow" Storage of Terahertz Waves in Plasmonic Grating. <i>Plasmonics</i> , 2018, 13, 933-938.	3.4	5
15	Beam Manipulation Mechanisms of Dielectric Metasurfaces. <i>ACS Omega</i> , 2019, 4, 7467-7473.	3.5	4
16	Throughput Improvement in Femtosecond Laser Ablation of Nickel by Double Pulses. <i>Materials</i> , 2021, 14, 6355.	2.9	4
17	Real propagation speed of the ultraslow plasmonic THz waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2014, 114, 503-507.	2.2	3
18	Terahertz wave manipulation through coupling of spoof plasmonics and Fabry-Perot resonance. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 405101.	2.8	3

#	ARTICLE	IF	CITATIONS
19	Surface wave manipulation by plasmonic metasurface based on mode resonance. Scientific Reports, 2021, 11, 3313.	3.3	3
20	High-throughput, label-free, multivariate cell analysis with optofluidic time-stretch microscopy. , 2017, , .		2
21	Deep subwavelength manipulation of THz waves by plasmonic surface. Journal of Physics Communications, 2020, 4, 105014.	1.2	1
22	Flowing cells stability test and evaluation for fast flow cytometry. Journal of Optics (India), 2019, 48, 54-59.	1.7	0
23	Broadband plasmonic-enhanced forward and backward multiplex coherent anti-Stokes Raman scattering microscopy. Optical Engineering, 2018, 57, 1.	1.0	0
24	Optical Methods for in-Process Monitoring of Laser-Matter Interactions. , 2021, , 1927-1977.		0
25	Near-field strong plasmonic resonances in Bi _{1.5} Sb _{0.5} Te _{1.8} Se _{1.2} topological insulator film. European Physical Journal Plus, 2022, 137, 1.	2.6	0