

Berna Yalizay Morova

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

214
citations

1307594

7
h-index

996975

15
g-index

25
all docs

25
docs citations

25
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical element for generation of accelerating Airy beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2344.	1.5	51
2	Fabrication of nanometer-size structures in metal thin films using femtosecond laser Bessel beams. Applied Physics Letters, 2012, 100, .	3.3	43
3	Versatile liquid-core optofluidic waveguides fabricated in hydrophobic silica aerogels by femtosecond-laser ablation. Optical Materials, 2015, 47, 478-483.	3.6	16
4	Highly sensitive optical sensor for hydrogen gas based on a polymer microcylinder ring resonator. Sensors and Actuators B: Chemical, 2020, 310, 127806.	7.8	16
5	Fabrication and characterization of large numerical aperture, high-resolution optical fiber bundles based on high-contrast pairs of soft glasses for fluorescence imaging. Optics Express, 2019, 27, 9502.	3.4	16
6	Free-standing optofluidic waveguides formed on patterned superhydrophobic surfaces. Applied Physics Letters, 2014, 104, 091123.	3.3	13
7	Propagation characteristics of Bessel beams generated by continuous, incoherent light sources. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1567.	1.5	11
8	Enhancement of polycrystalline silicon solar cells efficiency using indium nitride particles. Journal of Optics (United Kingdom), 2015, 17, 105903.	2.2	7
9	Linear cavity tapered fiber sensor using mode-tracking phase-shift cavity ring-down spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1707.	2.1	7
10	Guiding of emulsion droplets in microfluidic chips along shallow tracks defined by laser ablation. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	6
11	Size-Based Sorting of Emulsion Droplets in Microfluidic Channels Patterned with Laser-Ablated Guiding Tracks. Analytical Chemistry, 2020, 92, 2597-2604.	6.5	5
12	Self-reconstruction of diffraction-free and accelerating laser beams in scattering media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2470-2475.	2.3	4
13	Passive sorting of emulsion droplets with different interfacial properties using laser-patterned surfaces. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	4
14	Linear cavity tapered fiber sensor using amplified phase-shift cavity ring-down spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1756.	2.1	4
15	An LED-based super resolution GPU implemented structured illumination microscope. , 2020, , .		3
16	Optofluidic waveguides written in hydrophobic silica aerogels with a femtosecond laser. , 2015, , .		2
17	Understanding the Link between Inflammasome and Apoptosis through the Response of THP-1 Cells against Drugs Using Droplet-Based Microfluidics. ACS Omega, 0, , .	3.5	2
18	Amplified phase shift fiber cavity ring down spectroscopy for biosensing applications at 1550nm. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Optical sensors based on palladium and polymer-coated optical fiber resonators. , 2019, , .		1
20	An Easy-to-Fabricate Microfluidic Shallow Trench Induced Three-Dimensional Cell Culturing and Imaging (STICI3D) Platform. ACS Omega, 2022, 7, 8281-8293.	3.5	1
21	Femtosecond Laser Ablated Tracks on Smart Surfaces for Droplet Manipulation Applications. , 2017, , .		0
22	Metal nanosurface-gas interaction studies using whispering gallery modes. , 2020, , .		0
23	Image Reconstruction in Frequency Space using Sinusoidal Illumination Patterns. , 2020, , .		0
24	Use of an elastic buffer layer for improved performance of a polymer microcylinder ring resonator hydrogen sensor. Sensors and Actuators B: Chemical, 2022, 358, 131431.	7.8	0