

Petra Paiã

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5542206/publications.pdf>

Version: 2024-02-01

33
papers

789
citations

623734

14
h-index

713466

21
g-index

35
all docs

35
docs citations

35
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional femtosecond laser nanolithography of crystals. <i>Nature Photonics</i> , 2019, 13, 105-109.	31.4	156
2	Optofluidic integrated cell sorter fabricated by femtosecond lasers. <i>Lab on A Chip</i> , 2012, 12, 3779.	6.0	86
3	Particle focusing by 3D inertial microfluidics. <i>Microsystems and Nanoengineering</i> , 2017, 3, 17027.	7.0	76
4	Straightforward 3D hydrodynamic focusing in femtosecond laser fabricated microfluidic channels. <i>Lab on A Chip</i> , 2014, 14, 1826-1833.	6.0	69
5	Selective plane illumination microscopy on a chip. <i>Lab on A Chip</i> , 2016, 16, 1556-1560.	6.0	67
6	An integrated optofluidic device for single-cell sorting driven by mechanical properties. <i>Lab on A Chip</i> , 2015, 15, 1262-1266.	6.0	55
7	Microfluidic Based Optical Microscopes on Chip. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 987-996.	1.5	53
8	Particle Manipulation by Optical Forces in Microfluidic Devices. <i>Micromachines</i> , 2018, 9, 200.	2.9	36
9	High-throughput 3D imaging of single cells with light-sheet fluorescence microscopy on chip. <i>Biomedical Optics Express</i> , 2020, 11, 4397.	2.9	35
10	A computational approach to the characterization of a microfluidic device for continuous size-based inertial sorting. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 255601.	2.8	27
11	Polymeric fully inertial lab-on-a-chip with enhanced-throughput sorting capabilities. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	24
12	Effect of reservoir geometry on vortex trapping of cancer cells. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	22
13	Effects of Thermal Annealing on Femtosecond Laser Micromachined Glass Surfaces. <i>Micromachines</i> , 2021, 12, 180.	2.9	17
14	Optofluidic light modulator integrated in lab-on-a-chip. <i>Optics Express</i> , 2017, 25, 7313.	3.4	16
15	Automatic imaging of <i>Drosophila</i> embryos with light sheet fluorescence microscopy on chip. <i>Journal of Biophotonics</i> , 2021, 14, e202000396.	2.3	16
16	Virtual optofluidic time-stretch quantitative phase imaging. <i>APL Photonics</i> , 2020, 5, 046103.	5.7	15
17	Strategies for improved temporal response of glass-based optical switches. <i>Scientific Reports</i> , 2022, 12, 239.	3.3	6
18	Yield stress in a flash: investigation of nonlinearity and yielding in soft materials with an optofluidic microrheometer. <i>Soft Matter</i> , 2021, 17, 3105-3112.	2.7	4

#	ARTICLE	IF	CITATIONS
19	Waveguide arrays for light harvesting in microfluidic chips. Optical Engineering, 2014, 53, 071811.	1.0	3
20	Research highlights: surface-based microfluidic control. Lab on A Chip, 2015, 15, 3107-3110.	6.0	1
21	Sorting on the basis of deformability of single cells in a femtosecond laser fabricated optofluidic device. , 2015, , .		1
22	Applications of Femtosecond-Laser-Generated in-Volume Structures. , 2020, , 1-41.		1
23	Integrated fast optical switch fabricated by femtosecond laser micromachining. , 2022, , .		1
24	Monolithic cell counter based on 3D hydrodynamic focusing in microfluidic channels. Proceedings of SPIE, 2014, , .	0.8	0
25	Femtosecond laser fabrication of optofluidic devices for single cell manipulation. MATEC Web of Conferences, 2015, 32, 02001.	0.2	0
26	Adaptable acylindrical microlenses fabricated by femtosecond laser micromachining. , 2015, , .		0
27	Dual-Color Fluorescent Microscope on Chip for 3D Imaging of Single Cells. , 2019, , .		0
28	Optofluidic lab-on-chips for high throughput 3D imaging of cells and tissues. EPJ Web of Conferences, 2019, 215, 11002.	0.3	0
29	3D laser nanolithography of crystals. , 2021, , .		0
30	Optofluidic Devices for Mechanical Probing and Imaging of Cells by Laser Light. , 2018, , .		0
31	Femtosecond laser microfabrication of a PMMA lab on a chip for high throughput size-based inertial sorting. , 2019, , .		0
32	Applications of Femtosecond-Laser-Generated In-Volume Structures. , 2021, , 1649-1689.		0
33	Editorial for the Special Issue on New Trends and Applications in Femtosecond Laser Micromachining. Micromachines, 2022, 13, 150.	2.9	0