

Biagio Mandracchia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4589802/publications.pdf>

Version: 2024-02-01

34
papers

480
citations

759233

12
h-index

794594

19
g-index

34
all docs

34
docs citations

34
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Endowing a plain fluidic chip with micro-optics: a holographic microscope slide. <i>Light: Science and Applications</i> , 2017, 6, e17055-e17055.	16.6	92
2	Fast and accurate sCMOS noise correction for fluorescence microscopy. <i>Nature Communications</i> , 2020, 11, 94.	12.8	90
3	Holographic microscope slide in a spatio-temporal imaging modality for reliable 3D cell counting. <i>Lab on A Chip</i> , 2017, 17, 2831-2838.	6.0	53
4	Compact off-axis holographic slide microscope: design guidelines. <i>Biomedical Optics Express</i> , 2020, 11, 2511.	2.9	38
5	Surface Plasmon Resonance Imaging by Holographic Enhanced Mapping. <i>Analytical Chemistry</i> , 2015, 87, 4124-4128.	6.5	31
6	Quantitative imaging of the complexity in liquid bubbles' evolution reveals the dynamics of film retraction. <i>Light: Science and Applications</i> , 2019, 8, 20.	16.6	26
7	Easy Printing of High Viscous Microdots by Spontaneous Breakup of Thin Fibers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2122-2129.	8.0	21
8	Miscalibration-Tolerant Fourier Ptychography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-17.	2.9	18
9	Super-resolution optofluidic scanning microscopy. <i>Lab on A Chip</i> , 2021, 21, 489-493.	6.0	17
10	Label free imaging of cell-substrate contacts by holographic total internal reflection microscopy. <i>Journal of Biophotonics</i> , 2017, 10, 1163-1170.	2.3	16
11	Biospeckle Decorrelation Quantifies the Performance of Alginate-Encapsulated Probiotic Bacteria. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-6.	2.9	15
12	Label-free quantification of the effects of lithium niobate polarization on cell adhesion via holographic microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201700332.	2.3	14
13	Direct self-assembling and patterning of semiconductor quantum dots on transferable elastomer layer. <i>Applied Surface Science</i> , 2017, 399, 160-166.	6.1	11
14	Twofold Self-Assembling of Nanocrystals Into Nanocomposite Polymer. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 1-7.	2.9	7
15	Biological Lenses as a Photomask for Writing Laser Spots into Ferroelectric Crystals. <i>ACS Applied Bio Materials</i> , 2019, 2, 4675-4680.	4.6	7
16	Miniaturized modular-array fluorescence microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 7221.	2.9	6
17	Mapping electric fields generated by microelectrodes using optically trapped charged microspheres. <i>Lab on A Chip</i> , 2011, 11, 4113.	6.0	5
18	BSSE: An open-source image processing tool for miniaturized microscopy. <i>Optics Express</i> , 2019, 27, 17620.	3.4	4

#	ARTICLE	IF	CITATIONS
19	Interferometric measurement of film thickness during bubble blowing. , 2017, , .		2
20	3D imaging in microfluidics: new holographic methods and devices. , 2019, , .		2
21	Biospeckle Analysis and Biofilm Electrostatic Tests, Two Useful Methods in Microbiology. Applied Microbiology, 2021, 1, 557-572.	1.6	2
22	Fast and Accurate Thickness Mapping of Liquid Bubbles and Thin Protein Films. , 2018, , .		1
23	Assessment of bacteria microencapsulation performance through bio-speckle dynamic analysis. , 2019, , .		1
24	Detection of self-propelling bacteria by speckle correlation assessment and applications to food industry. , 2019, , .		1
25	Unusual 3D lithography approaches for fabrication of polymeric photonic microstructures. Proceedings of SPIE, 2014, , .	0.8	0
26	Fast and Accurate Thickness Mapping of Thin Liquid Films. EPJ Web of Conferences, 2019, 215, 12002.	0.3	0
27	Wavefront division off-axis digital holography microscopy on chip. , 2018, , .		0
28	Detection and sorting of microplastics in marine environment by new imaging tools. , 2018, , .		0
29	Compact modules for off-axis holography in microfluidics: features and design solutions. , 2019, , .		0
30	Field-deployable, cost-effective holographic slide microscope: a 3D-printed prototype. , 2020, , .		0
31	Sub-diffraction-limit Optofluidic Imaging. , 2020, , .		0
32	Correction of CMOS-related noise in fluorescence microscopy. , 2020, , .		0
33	Resolution doubling in optofluidics and sample-scanning fluorescence microscopy. , 2022, , .		0
34	A compact open-top light-sheet microscope for Optofluidic imaging. , 2022, , .		0