

# Biagio Mandracchia

## List of Publications by Year in descending order

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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	Resolution doubling in optofluidics and sample-scanning fluorescence microscopy. , 2022, , .		0
2	A compact open-top light-sheet microscope for Optofluidic imaging. , 2022, , .		0
3	Miscalibration-Tolerant Fourier Ptychography. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-17.	2.9	18
4	Super-resolution optofluidic scanning microscopy. Lab on A Chip, 2021, 21, 489-493.	6.0	17
5	Biospeckle Analysis and Biofilm Electrostatic Tests, Two Useful Methods in Microbiology. Applied Microbiology, 2021, 1, 557-572.	1.6	2
6	Fast and accurate sCMOS noise correction for fluorescence microscopy. Nature Communications, 2020, 11, 94.	12.8	90
7	Compact off-axis holographic slide microscope: design guidelines. Biomedical Optics Express, 2020, 11, 2511.	2.9	38
8	Field-deployable, cost-effective holographic slide microscope: a 3D-printed prototype. , 2020, , .		0
9	Sub-diffraction-limit Optofluidic Imaging. , 2020, , .		0
10	Correction of CMOS-related noise in fluorescence microscopy. , 2020, , .		0
11	Miniaturized modular-array fluorescence microscopy. Biomedical Optics Express, 2020, 11, 7221.	2.9	6
12	Biospeckle Decorrelation Quantifies the Performance of Alginate-Encapsulated Probiotic Bacteria. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	2.9	15
13	Fast and Accurate Thickness Mapping of Thin Liquid Films. EPJ Web of Conferences, 2019, 215, 12002.	0.3	0
14	Biological Lenses as a Photomask for Writing Laser Spots into Ferroelectric Crystals. ACS Applied Bio Materials, 2019, 2, 4675-4680.	4.6	7
15	Quantitative imaging of the complexity in liquid bubbles™ evolution reveals the dynamics of film retraction. Light: Science and Applications, 2019, 8, 20.	16.6	26
16	3D imaging in microfluidics: new holographic methods and devices. , 2019, , .		2
17	BSSE: An open-source image processing tool for miniaturized microscopy. Optics Express, 2019, 27, 17620.	3.4	4
18	Compact modules for off-axis holography in microfluidics: features and design solutions. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Assessment of bacteria microencapsulation performance through bio-speckle dynamic analysis. , 2019, , .		1
20	Detection of self-propelling bacteria by speckle correlation assessment and applications to food industry. , 2019, , .		1
21	Label-free quantification of the effects of lithium niobate polarization on cell adhesion via holographic microscopy. Journal of Biophotonics, 2018, 11, e201700332.	2.3	14
22	Easy Printing of High Viscous Microdots by Spontaneous Breakup of Thin Fibers. ACS Applied Materials & Interfaces, 2018, 10, 2122-2129.	8.0	21
23	Fast and Accurate Thickness Mapping of Liquid Bubbles and Thin Protein Films. , 2018, , .		1
24	Wavefront division off-axis digital holography microscopy on chip. , 2018, , .		0
25	Detection and sorting of microplastics in marine environment by new imaging tools. , 2018, , .		0
26	Direct self-assembling and patterning of semiconductor quantum dots on transferable elastomer layer. Applied Surface Science, 2017, 399, 160-166.	6.1	11
27	Interferometric measurement of film thickness during bubble blowing. , 2017, , .		2
28	Endowing a plain fluidic chip with micro-optics: a holographic microscope slide. Light: Science and Applications, 2017, 6, e17055-e17055.	16.6	92
29	Holographic microscope slide in a spatio-temporal imaging modality for reliable 3D cell counting. Lab on A Chip, 2017, 17, 2831-2838.	6.0	53
30	Label free imaging of cell-substrate contacts by holographic total internal reflection microscopy. Journal of Biophotonics, 2017, 10, 1163-1170.	2.3	16
31	Twofold Self-Assembling of Nanocrystals Into Nanocomposite Polymer. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 1-7.	2.9	7
32	Surface Plasmon Resonance Imaging by Holographic Enhanced Mapping. Analytical Chemistry, 2015, 87, 4124-4128.	6.5	31
33	Unusual 3D lithography approaches for fabrication of polymeric photonic microstructures. Proceedings of SPIE, 2014, , .	0.8	0
34	Mapping electric fields generated by microelectrodes using optically trapped charged microspheres. Lab on A Chip, 2011, 11, 4113.	6.0	5