

Manuel Bedrossian

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

165
citations

1307594

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h-index

1281871

11
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16
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16
docs citations

16
times ranked

175
citing authors

#	ARTICLE	IF	CITATIONS
1	A Submersible, Off-Axis Holographic Microscope for Detection of Microbial Motility and Morphology in Aqueous and Icy Environments. PLoS ONE, 2016, 11, e0147700.	2.5	57
2	Digital Holographic Microscopy, a Method for Detection of Microorganisms in Plume Samples from Enceladus and Other Icy Worlds. Astrobiology, 2017, 17, 913-925.	3.0	26
3	Genetically Encoded Phase Contrast Agents for Digital Holographic Microscopy. Nano Letters, 2020, 20, 8127-8134.	9.1	23
4	Quantifying Microorganisms at Low Concentrations Using Digital Holographic Microscopy (DHM). Journal of Visualized Experiments, 2017, , .	0.3	16
5	Imaging technologies and strategies for detection of extant extraterrestrial microorganisms. Advances in Physics: X, 2018, 3, 1424032.	4.1	11
6	A machine learning algorithm for identifying and tracking bacteria in three dimensions using Digital Holographic Microscopy. AIMS Biophysics, 2018, 5, 36-49.	0.6	11
7	Enhancing final image contrast in off-axis digital holography using residual fringes. Optics Express, 2020, 28, 16764.	3.4	8
8	Using the Gouy phase anomaly to localize and track bacteria in digital holographic microscopy 4D images. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, A11.	1.5	5
9	ELVIS: A Correlated Light-Field and Digital Holographic Microscope for Field and Laboratory Investigations. Microscopy Today, 2020, 28, 18-25.	0.3	4
10	Sources and propagation of errors in quantitative phase imaging techniques using optical interferometry. Proceedings of SPIE, 2017, , .	0.8	2
11	Magnetotactic bacteria: concepts, conundrums, and insights from a novel <i>in situ</i> approach using digital holographic microscopy (DHM). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2022, 208, 107-124.	1.6	2
12	Approaches to distinguishing bacteria from mineral particles in microscopic imaging IEEE aerospace conference. , 2018, , .		0
13	Methods for Collection and Characterization of Samples From Icy Environments. Methods in Microbiology, 2018, 45, 293-321.	0.8	0
14	Digital Holographic Microscope Trades for Extant Life Detection Applications. , 2019, , .		0
15	ELVIS: A Correlated Light-Field and Digital Holographic Microscope for Field and Laboratory Investigations <i>in situ</i> Field Demonstration. Microscopy Today, 2020, 28, 14-18.	0.3	0