

# Manuel Bedrossian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11478880/publications.pdf>

Version: 2024-02-01

15  
papers

165  
citations

1307594

7  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

175  
citing authors

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