

M Fatih Toy

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

264
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopy image resolution improvement by deconvolution of complex fields. Optics Express, 2010, 18, 19462.	3.4	59
2	Enhanced robustness digital holographic microscopy for demanding environment of space biology. Biomedical Optics Express, 2012, 3, 313.	2.9	37
3	Digital holographic microscopy real-time monitoring of cytoarchitectural alterations during simulated microgravity. Journal of Biomedical Optics, 2010, 15, 026021.	2.6	28
4	Accelerated autofocusing of off-axis holograms using critical sampling. Optics Letters, 2012, 37, 5094.	3.3	28
5	Uncooled infrared thermo-mechanical detector array: Design, fabrication and testing. Sensors and Actuators A: Physical, 2009, 156, 88-94.	4.1	27
6	Two-Wavelength Grating Interferometry for MEMS Sensors. IEEE Photonics Technology Letters, 2007, 19, 1895-1897.	2.5	20
7	Sub-Rayleigh resolution by phase imaging. Optics Letters, 2010, 35, 2176.	3.3	15
8	Beyond the lateral resolution limit by phase imaging. Journal of Biomedical Optics, 2011, 16, 106007.	2.6	15
9	Real-Time Holographic Tracking and Control of Microrobots. IEEE Robotics and Automation Letters, 2017, 2, 143-148.	5.1	15
10	A Speckle-Enhanced Prism Spectrometer With High Dynamic Range. IEEE Photonics Technology Letters, 2018, 30, 2139-2142.	2.5	11
11	Fourier optics analysis of grating sensors with tilt errors. Optics Letters, 2011, 36, 2254.	3.3	9
12	Beyond the lateral resolution limit by phase imaging. Proceedings of SPIE, 2011, , .	0.8	0
13	Speckle-Enhanced Prism Spectrometer. , 2019, , .		0