

Yuan Luo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

807
citations

13
h-index

27
g-index

86
ext. papers

1,005
ext. citations

3.6
avg, IF

4.15
L-index

#	Paper	IF	Citations
49	Isotropic quantitative differential phase contrast imaging techniques: a review. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 183001	3	
48	Meta-lens light-sheet fluorescence microscopy for in vivo imaging. <i>Nanophotonics</i> , 2022 ,	6.3	1
47	Metasurface-Based Abrupt Autofocusing Beam for Biomedical Applications.. <i>Small Methods</i> , 2022 , e2101228	12.28	0
46	Multi-plane confocal microscopy with multiplexed volume holographic gratings [Invited]. <i>Applied Optics</i> , 2021 , 60, B141-B150	1.7	1
45	Isotropic quantitative differential phase contrast microscopy using radially asymmetric color-encoded pupil. <i>JPhys Photonics</i> , 2021 , 3, 035001	2.5	1
44	Cubic-Phase Metasurface for Three-Dimensional Optical Manipulation. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
43	Varifocal Metalens for Optical Sectioning Fluorescence Microscopy. <i>Nano Letters</i> , 2021 , 21, 5133-5142	11.5	19
42	Telecentric design for digital-scanning-based HiLo optical sectioning endomicroscopy with an electrically tunable lens. <i>Journal of Biophotonics</i> , 2021 , 14, e202000335	3.1	2
41	Simultaneous multi-color optical sectioning fluorescence microscopy with wavelength-coded volume holographic gratings. <i>Optics Express</i> , 2020 , 28, 37177-37187	3.3	3
40	Multiplexed differential phase contrast imaging using asymmetric illumination in volume holographic microscopy. <i>Journal of Biomedical Optics</i> , 2020 , 25,	3.5	1
39	Volume holographic optical element for light sheet fluorescence microscopy. <i>Optics Letters</i> , 2020 , 45, 6478-6481	3	1
38	Volume holographic spatial-spectral imaging systems [Invited]. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, A47-A58	1.8	14
37	Multi-wavelength quantitative differential phase contrast imaging by radially asymmetric illumination. <i>Optics Letters</i> , 2019 , 44, 4542-4545	3	5
36	Simultaneous multiplexed imaging with programmable multiplexed gratings. <i>Optics Communications</i> , 2018 , 422, 38-43	2	2
35	Multiplexed holographic non-axial-scanning slit confocal fluorescence microscopy. <i>Optics Express</i> , 2018 , 26, 14288-14294	3.3	5
34	Conventional volume holography for unconventional Airy beam shapes. <i>Optics Express</i> , 2018 , 26, 21979-21991	3.5	8
33	Quantitative differential phase contrast imaging at high resolution with radially asymmetric illumination. <i>Optics Letters</i> , 2018 , 43, 2973-2976	3	8

32	Speckle illumination holographic non-scanning fluorescence endoscopy. <i>Journal of Biophotonics</i> , 2018 , 11, e201800010	3.1	7
31	Isotropic differential phase contrast microscopy for quantitative phase bio-imaging. <i>Journal of Biophotonics</i> , 2018 , 11, e201700364	3.1	11
30	Non-axial-scanning multifocal confocal microscopy with multiplexed volume holographic gratings. <i>Optics Letters</i> , 2017 , 42, 346-349	3	17
29	Spatial mode multiplexing using volume holographic gratings. <i>Optics Express</i> , 2017 , 25, 23726-23737	3.3	12
28	Talbot multi-focal holographic fluorescence endoscopy for optically sectioned imaging. <i>Optics Letters</i> , 2016 , 41, 344-7	3	7
27	volumetric fluorescence sectioning microscopy with mechanical-scan-free hybrid illumination imaging. <i>Biomedical Optics Express</i> , 2016 , 7, 3968-3978	3.5	11
26	Reduction of blurring in broadband volume holographic imaging using a deconvolution method. <i>Biomedical Optics Express</i> , 2016 , 7, 3124-38	3.5	2
25	Wigner analysis of three dimensional pupil with finite lateral aperture. <i>Optics Express</i> , 2015 , 23, 4046-54	3.3	5
24	Speckle-based volume holographic microscopy for optically sectioned multi-plane fluorescent imaging. <i>Optics Express</i> , 2015 , 23, 7075-84	3.3	10
23	Phase-preserved macroscopic visible-light carpet cloaking beyond two dimensions. <i>Laser and Photonics Reviews</i> , 2015 , 9, 399-404	8.3	3
22	In-line digital holographic imaging in volume holographic microscopy. <i>Optics Letters</i> , 2015 , 40, 5542-5	3	6
21	Real-time 3D particle manipulation visualized using volume holographic gratings. <i>Optics Letters</i> , 2014 , 39, 3078-81	3	3
20	Talbot holographic illumination non-scanning (THIN) fluorescence microscopy. <i>Laser and Photonics Reviews</i> , 2014 , 8, L71-L75	8.3	17
19	Phase-coded volume holographic gratings for spatial-spectral imaging filters. <i>Optics Letters</i> , 2013 , 38, 477-9	3	9
18	Phase-preserved optical elevator. <i>Optics Express</i> , 2013 , 21, 6650-7	3.3	4
17	Improving signal-to-noise ratio of structured light microscopy based on photon reassignment. <i>Biomedical Optics Express</i> , 2012 , 3, 206-14	3.5	5
16	Spectrally resolved multidepth fluorescence imaging. <i>Journal of Biomedical Optics</i> , 2011 , 16, 096015	3.5	15
15	Macroscopic invisibility cloak for visible light. <i>Physical Review Letters</i> , 2011 , 106, 033901	7.4	288

14	Spatial-spectral volume holographic systems: resolution dependence on effective thickness. <i>Applied Optics</i> , 2011 , 50, 1038-46	0.2	11
13	Phase-contrast volume holographic imaging system. <i>Optics Letters</i> , 2011 , 36, 1290-2	3	9
12	Optical Design for a Spatial-Spectral Volume Holographic Imaging System. <i>Optical Engineering</i> , 2010 , 49, 43001	1.1	19
11	Simulations and experiments of aperiodic and multiplexed gratings in volume holographic imaging systems. <i>Optics Express</i> , 2010 , 18, 19273-85	3.3	27
10	Wavelength-coded multifocal microscopy. <i>Optics Letters</i> , 2010 , 35, 781-3	3	19
9	Silicon oxide nanoparticles doped PQ-PMMA for volume holographic imaging filters. <i>Optics Letters</i> , 2010 , 35, 1269-71	3	27
8	Transport of intensity phase imaging in a volume holographic microscope. <i>Optics Letters</i> , 2010 , 35, 2961-3	3	66
7	Optimization of multiplexed holographic gratings in PQ-PMMA for spectral-spatial imaging filters. <i>Optics Letters</i> , 2008 , 33, 566-8	3	64
6	Laser-induced fluorescence imaging of subsurface tissue structures with a volume holographic spatial-spectral imaging system. <i>Optics Letters</i> , 2008 , 33, 2098-100	3	29
5	Multiplexing volume holographic gratings for a spectral-spatial imaging system 2008 ,		2
4	Coupling and cross-talk effects in 12-15 microm diameter single-mode fiber arrays for simultaneous transmission and photon collection from scattering media. <i>Applied Optics</i> , 2007 , 46, 253-61	1.7	2
3	Parallel optical coherence tomography system. <i>Applied Optics</i> , 2007 , 46, 8291-7	1.7	11
2	Free-space Fresnel diffraction for the approximation of fractional Fourier transform. <i>Optical and Quantum Electronics</i> , 2002 , 34, 369-376	2.4	4
1	Generalized joint fractional fourier transform correlators: a compact approach. <i>Applied Optics</i> , 1998 , 37, 8270-6	1.7	12