Jigang Wu

List of Publications by Year in descending order

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Version: 2024-02-01

43	868	687363 13	501196 28
papers	citations	h-index	g-index

43	43	43	811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical imaging techniques in microfluidics and their applications. Lab on A Chip, 2012, 12, 3566.	6.0	272
2	Methods and application areas of endoscopic optical coherence tomography. Journal of Biomedical Optics, 2006, 11, 063001.	2.6	110
3	Paired-angle-rotation scanning optical coherence tomography forward-imaging probe. Optics Letters, 2006, 31, 1265.	3.3	100
4	Handheld forward-imaging needle endoscope for ophthalmic optical coherence tomography inspection. Journal of Biomedical Optics, 2008, 13, 020505.	2.6	73
5	Wide field-of-view microscope based on holographic focus grid illumination. Optics Letters, 2010, 35, 2188.	3.3	36
6	Manual-scanning optical coherence tomography probe based on position tracking. Optics Letters, 2009, 34, 3400.	3.3	31
7	Characterization of light collection through a subwavelength aperture from a point source. Optics Express, 2006, 14, 10410.	3.4	26
8	Lensless in-line holographic microscope with Talbot grating illumination. Optics Letters, 2016, 41, 3157.	3.3	25
9	The application of Fresnel zone plate based projection in optofluidic microscopy. Optics Express, 2008, 16, 15595.	3.4	23
10	Focal plane tuning in wide-field-of-view microscope with Talbot pattern illumination. Optics Letters, 2011, 36, 2179.	3.3	23
11	Resolution enhancement method for lensless in-line holographic microscope with spatially-extended light source. Optics Express, 2017, 25, 24735.	3.4	22
12	Images of Spinal Nerves and Adjacent Structures With Optical Coherence Tomography: Preliminary Animal Studies. Journal of Pain, 2007, 8, 767-773.	1.4	19
13	Harmonically-related diffraction gratings-based interferometer for quadrature phase measurements. Optics Express, 2006, 14, 8127.	3.4	17
14	Full field phase imaging using a harmonically matched diffraction grating pair based homodyne quadrature interferometer. Applied Physics Letters, 2007, 90, 151123.	3.3	10
15	Multilayer pixel super-resolution lensless in-line holographic microscope with random sample movement. Scientific Reports, 2017, 7, 12791.	3.3	9
16	Differential holographic reconstruction for lensless in-line holographic microscope with ultra-broadband light source illumination. Optics Communications, 2019, 430, 9-13.	2.1	8
17	Image enhancement in lensless inline holographic microscope by inter-modality learning with denoising convolutional neural network. Optics Communications, 2021, 484, 126682.	2.1	8
18	Enhanced resolution in lensless in-line holographic microscope by data interpolation and iterative reconstruction. Optics Communications, 2017, 402, 104-108.	2.1	7

#	Article	IF	Citations
19	Characterization of Talbot pattern illumination for scanning optical microscopy. Optical Engineering, 2013, 52, 091714.	1.0	5
20	Miniaturized magnetic-driven scanning probe for endoscopic optical coherence tomography. Biomedical Optics Express, 2015, 6, 2231.	2.9	5
21	Color lensless in-line holographic microscope with sunlight illumination for weakly-scattered amplitude objects. OSA Continuum, 2019, 2, 9.	1.8	5
22	Harmonically matched grating-based full-field quantitative high-resolution phase microscope for observing dynamics of transparent biological samples. Optics Express, 2007, 15, 18141.	3.4	4
23	Wide field of view multifocal scanning microscopy with sparse sampling. Journal of Biomedical Optics, 2016, 21, 026008.	2.6	4
24	Extended-aperture Hartmann wavefront sensor with raster scanning. Optics Express, 2021, 29, 34229.	3.4	4
25	Three-dimensional endoscopic OCT using sparse sampling with a miniature magnetic-driven scanning probe. Applied Optics, 2018, 57, 10056.	1.8	4
26	Focus grid generation by in-line holography. Optics Express, 2010, 18, 14366.	3.4	3
27	Extended aperture line-scanning Hartmann wavefront sensor. Applied Optics, 2021, 60, 3403.	1.8	3
28	Digital inline holographic reconstruction with learned sparsifying transform. Optics Communications, 2021, 498, 127220.	2.1	3
29	Pixel super-resolution lensless in-line holographic microscope with hologram segmentation. Chinese Optics Letters, 2019, 17, 110901.	2.9	3
30	Endoscopic optical coherence tomography of the retina at 1310 nm using paired-angle rotating scanning. , 2007, , .		2
31	Enhanced resolution for amplitude object in lensless inline holographic microscope with grating illumination. Optical Engineering, 2017, 56, 1.	1.0	2
32	Lensless microscope based on iterative in-line holographic reconstruction. Proceedings of SPIE, 2014, , .	0.8	1
33	Wide field-of-view line-scanning lensless in-line holographic microscope. Optical Engineering, 2022, 61, .	1.0	1
34	Quantitative phase imaging using grating-based quadrature phase interferometer. , 2007, , .		0
35	Toward forward-looking OCT needle tip vision of the spinal neuroforamen: animal studies. , 2007, , .		0
36	Observing dynamics of transparent samples by harmonically matched grating-based full-field quadrature phase interferometer. , 2008, , .		0

#	Article	IF	Citations
37	Wide field-of-view microscopy with Talbot pattern illumination. , 2012, , .		0
38	Wide field-of-view microscopy using compressive sensing. Proceedings of SPIE, 2014, , .	0.8	0
39	Endoscopic optical coherence tomography using compressive sensing. Proceedings of SPIE, 2016, , .	0.8	0
40	Pixel super-resolution in digital in-line holography. Proceedings of SPIE, 2016, , .	0.8	0
41	Digital in-line holographic microscope based on the grating illumination with improved resolution by interpolation. , 2016, , .		0
42	Iterative holographic reconstruction based on the grating illumination with improved resolution by interpolation. , 2017, , .		0
43	Resolution-enhanced digital in-line holographic microscope with segmentation and pixel super-resolution technique. , 2018, , .		0