

Lu Rong

List of Publications by Year in descending order

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78
papers

1,297
citations

430874

18
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377865

34
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79
all docs

79
docs citations

79
times ranked

892
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh 22 nm resolution coherent diffractive imaging using a desktop 13 nm high harmonic source. Optics Express, 2011, 19, 22470.	3.4	164
2	Terahertz in-line digital holography of human hepatocellular carcinoma tissue. Scientific Reports, 2015, 5, 8445.	3.3	116
3	Åÿ°ä°ŽâšâæCEæ€è°â½•çš,,æ°â—â...æ•æ•æ—'â™ââæ°æš'â°æ—1æ³•. Chinese Optics Letters, 2010, 8, 653.	2.9	108
4	Terahertz in-line digital holography of dragonfly hindwing: amplitude and phase reconstruction at enhanced resolution by extrapolation. Optics Express, 2014, 22, 17236.	3.4	86
5	Coherent noise reduction in digital holographic phase contrast microscopy by slightly shifting object. Optics Express, 2011, 19, 3862.	3.4	77
6	Speckle noise suppression in digital holography by angular diversity with phase-only spatial light modulator. Optics Express, 2013, 21, 19568.	3.4	61
7	Iterative solution to twin image problem in in-line digital holography. Optics and Lasers in Engineering, 2013, 51, 553-559.	3.8	47
8	THz coherent lensless imaging. Applied Optics, 2019, 58, G256.	1.8	40
9	Synthetic aperture in terahertz in-line digital holography for resolution enhancement. Applied Optics, 2016, 55, A43.	2.1	37
10	Continuous-Wave THz Imaging for Biomedical Samples. Applied Sciences (Switzerland), 2021, 11, 71.	2.5	36
11	Continuous-wave terahertz multi-plane in-line digital holography. Optics and Lasers in Engineering, 2017, 94, 76-81.	3.8	35
12	Coherent noise reduction in digital holographic microscopy by laterally shifting camera. Optics Communications, 2013, 292, 68-72.	2.1	34
13	Resolution enhancement phase-contrast imaging by microsphere digital holography. Optics Communications, 2016, 366, 81-87.	2.1	28
14	Application of autofocusing methods in continuous-wave terahertz in-line digital holography. Optics Communications, 2015, 346, 93-98.	2.1	25
15	Probe position correction based on overlapped object wavefront cross-correlation for continuous-wave terahertz ptychography. Optics Express, 2019, 27, 938.	3.4	25
16	Continuous-wave off-axis and in-line terahertz digital holography with phase unwrapping and phase autofocusing. Optics Communications, 2018, 426, 612-622.	2.1	22
17	Extended depth of field in continuous-wave terahertz computed tomography based on Bessel beam. Optics Communications, 2019, 432, 20-26.	2.1	20
18	Multi-layered full-field phase imaging using continuous-wave terahertz ptychography. Optics Letters, 2020, 45, 1391.	3.3	20

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19	Twin image elimination from two in-line holograms via phase retrieval. Chinese Optics Letters, 2012, 10, 060902-60904.	2.9	18
20	High-resolution terahertz ptychography using divergent illumination and extrapolation algorithm. Optics and Lasers in Engineering, 2021, 147, 106729.	3.8	16
21	Imaging on the surfaces of an uneven thickness medium based on hybrid phase retrieval with the assistance of off-axis digital holography. Optics Communications, 2017, 401, 59-65.	2.1	14
22	Expanding the field-of-view and profile measurement of covered objects in continuous-wave terahertz reflective digital holography. Optical Engineering, 2019, 58, 1.	1.0	14
23	Super-resolution imaging by microsphere-assisted optical microscopy. Optical and Quantum Electronics, 2016, 48, 1.	3.3	13
24	Three-dimensional imaging of a phase object from a single sample orientation using an optical laser. Physical Review B, 2011, 84, .	3.2	12
25	Continuous-wave terahertz self-referencing digital holography based on Fresnel's mirrors. Optics Letters, 2020, 45, 913.	3.3	12
26	Continuous-wave terahertz reflective ptychography by oblique illumination. Optics Letters, 2020, 45, 4412.	3.3	12
27	Super-resolution imaging by microsphere-assisted optical microscopy. Chinese Optics Letters, 2011, 9, 060901.		
28	Super-resolution imaging in digital holography by using dynamic grating with a spatial light modulator. Optics and Lasers in Engineering, 2015, 66, 279-284.	3.8	11
29	Single-shot dual-wavelength in-line and off-axis hybrid digital holography. Applied Physics Letters, 2018, 112, .	3.3	11
30	Application of three-dimensional spatial correlation properties of coherent noise in phase noise suppression for digital holographic microscopy. Optics and Laser Technology, 2013, 51, 67-71.	4.6	10
31	Simultaneous detection of the distance and direction for a noncooperative target based on the microwave photonic radar. Optics Express, 2021, 29, 31561.	3.4	10
32	Application of continuous-wave terahertz computed tomography for the analysis of chicken bone structure. Optical Engineering, 2018, 57, 1.	1.0	10
33	Transport of intensity equation-based terahertz lensless full-field phase imaging. Optics Letters, 2021, 46, 5846.	3.3	10
34	Speckle suppression in off-axis lensless Fourier transform digital holography. Optics Communications, 2017, 397, 100-104.	2.1	9
35	Dynamic full-field refractive index distribution measurements using total internal reflection terahertz digital holography. Photonics Research, 2022, 10, 289.	7.0	9
36	Lensless Fourier-transform terahertz digital holography for real-time full-field phase imaging. Photonics Research, 2022, 10, 323.	7.0	9

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37	Dual-plane in-line digital holography based on liquid crystal on silicon spatial light modulator. Applied Optics, 2014, 53, G105.	1.8	8
38	3D image reconstruction of terahertz computed tomography at sparse angles by total variation minimization. Applied Optics, 2022, 61, B1.	1.8	8
39	Iterative denoising phase retrieval method for twin-image elimination in continuous-wave terahertz in-line digital holography. Optics and Lasers in Engineering, 2022, 152, 106986.	3.8	8
40	Long distance real-time measurement of multi-points micro-vibration in region by digital holography. Optik, 2014, 125, 2369-2373.	2.9	7
41	Continuous-wave terahertz digital holographic tomography with a pyroelectric array detector. Optical Engineering, 2016, 55, 053106.	1.0	7
42	Curvature measurement of optical surface using digital holography. Optics and Lasers in Engineering, 2011, 49, 903-906.	3.8	6
43	Phase unwrapping method based on multiple recording distances for digital holographic microscopy. Optics Communications, 2015, 346, 38-42.	2.1	6
44	Continuous-wave terahertz diffraction tomography for measuring three-dimensional refractive index maps. Chinese Optics Letters, 2021, 19, 123701.	2.9	6
45	Research on speckle denoising by lensless Fourier transform holographic imaging with angular diversity. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 154205.	0.5	6
46	Generalized dual-plane digital holographic imaging method. Optics Communications, 2016, 381, 56-62.	2.1	5
47	Super-resolution quantitative phase-contrast imaging by microsphere-based digital holographic microscopy. Optical Engineering, 2017, 56, 034116.	1.0	5
48	Phase retrieval from double axially displaced holograms for dual-wavelength in-line holography. Chinese Optics Letters, 2014, 12, 020901-20904.	2.9	5
49	Study of oblique incidence characterization of parallel aligned liquid crystal on silicon. Optical Engineering, 2015, 54, 037109.	1.0	4
50	Experimental imaging research on continuous-wave terahertz in-line digital holography. , 2014, , .		3
51	Sparsity based terahertz reflective off-axis digital holography. , 2017, , .		3
52	Improving the phase measurement by the apodization filter in the digital holography. , 2012, , .		2
53	Continuous-wave terahertz reflective off-axis digital holography. , 2016, , .		2
54	Dual-Channel Phase-Tunable Down Converter With LO Frequency Doubling. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	2

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55	Enhanced image reconstruction of Fourier ptychographic microscopy with double-height illumination. <i>Optics Express</i> , 2021, 29, 41655.	3.4	2
56	Speckle noise reduction in digital holography due to angular diversity by spatial light modulator. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
57	Direct and complete calibration of phase modulation depth of LCOS by using double exposure digital holography. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
58	Stochastic dual-plane on-axis digital holographic imaging on irregular surfaces. <i>Applied Optics</i> , 2016, 55, 3734.	2.1	1
59	Dynamic Dehydration Observation Based on Terahertz In-line Digital Holography. , 2015, , .		1
60	Biological Imaging Application by Using Continuous-wave Terahertz In-line Digital Holography. , 2017, , .		1
61	Continuous-wave terahertz phase-contrast imaging. , 2018, , .		1
62	In-line and off-axis hybrid digital holography. , 2018, , .		1
63	Reconfigurable microwave photonic frequency upconverter with local oscillator doubling or local oscillator quadrupling. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	1
64	Continuous-wave terahertz quantitative dual-plane ptychography. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 028701.	0.5	1
65	Lensless Fourier-Transform Terahertz Digital Holography for Full-Field Reflective Imaging. <i>Frontiers in Physics</i> , 2022, 9, .	2.1	1
66	Reply to "Comment on "Three-dimensional imaging of a phase object from a single sample orientation using an optical laser"™". <i>Physical Review B</i> , 2012, 86, .	3.2	0
67	A phase-shifting in-line digital holography of pre-magnification on imaging research. , 2013, , .		0
68	Resolution Enhancement in Terahertz digital Holography. , 2015, , .		0
69	Stochastic dual-plane on-axis digital holography based on Mach-Zehnder interferometer. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
70	Terahertz in-line digital holographic multiplane imaging method. , 2017, , .		0
71	Hybridization of phase retrieval and off-axis digital holography for high resolution imaging of complex shape objects. , 2017, , .		0
72	Suppression of Speckle Noise with Spatial Light Modulator in Digital Holography. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
73	Dual plane on-axis digital holography with dual wavelength phase unwrapping. , 2017, , .		0
74	Encapsulated morphology measurement based on continuous-wave terahertz reflective off-axis digital holography. , 2018, , .		0
75	Single assignment based nearest neighbor interpolation algorithm for digital holographic diffraction tomography. , 2018, , .		0
76	Probe position correction for continuous-wave terahertz ptychography. , 2019, , .		0
77	Continuous-wave Terahertz Computed Tomography for Analysing Biological Bone. , 2019, , .		0
78	Large field-of-view continuous-wave terahertz reflective off-axis digital holography. , 2019, , .		0