

Weijuan Qu

List of Publications by Year in descending order

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30
papers

867
citations

687363

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docs citations

30
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Aberrations Compensation in Digital Holographic Microscopy Based on Phase Transformation. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	3
2	Phase aberration compensation for digital holographic microscopy based on geometrical transformations. Journal of Optics (United Kingdom), 2019, 21, 085702.	2.2	17
3	Automatic phase aberration compensation for digital holographic microscopy based on rotation and transpose. , 2019, , .		0
4	Phase Retrieval for Digital Holographic Microscopy With Defocused Holograms. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	7
5	Measurement of thermal effects of diode-pumped solid-state laser by using digital holography. Applied Optics, 2018, 57, 5385.	1.8	5
6	Quasicommon-path digital holographic microscopy with phase aberration compensation based on a long-working distance objective. Optical Engineering, 2018, 57, 1.	1.0	0
7	Simple and flexible phase compensation for digital holographic microscopy with electrically tunable lens. Applied Optics, 2017, 56, 6007.	1.8	40
8	Off-axis tilt compensation in common-path digital holographic microscopy based on hologram rotation. Optics Letters, 2017, 42, 5282.	3.3	23
9	A reflection TIE system for 3D inspection of wafer structures. , 2017, , .		0
10	Quantitative measurement of thermal lensing in diode-side-pumped Nd:YAG laser by use of digital holographic interferometry. Optics Express, 2016, 24, 28185.	3.4	23
11	Focal length calibration of an electrically tunable lens by digital holography. Applied Optics, 2016, 55, 749.	2.1	6
12	A new phase error compensation method in digital holographic microscopy. Proceedings of SPIE, 2015, , .	0.8	3
13	A quantitative phase imaging system based on transport-of-intensity equation. , 2015, , .		0
14	Phase errors elimination in compact digital holoscope (CDH) based on a reasonable mathematical model. , 2015, , .		0
15	Quantitative phase measurement for wafer-level optics. , 2015, , .		1
16	Further investigation on the phase stitching and system errors in digital holography. Applied Optics, 2015, 54, 266.	1.8	11
17	Phase retrieval with the transport-of-intensity equation in an arbitrarily shaped aperture by iterative discrete cosine transforms. Optics Letters, 2015, 40, 1976.	3.3	36
18	Boundary-artifact-free phase retrieval with the transport of intensity equation II: applications to microlens characterization. Optics Express, 2014, 22, 18310.	3.4	45

#	ARTICLE	IF	CITATIONS
19	Phase aberration compensation in digital holographic microscopy based on principal component analysis. Optics Letters, 2013, 38, 1724.	3.3	140
20	Direct continuous phase demodulation in digital holography with use of the transport-of-intensity equation. Optics Communications, 2013, 309, 221-226.	2.1	34
21	High-speed transport-of-intensity phase microscopy with an electrically tunable lens. Optics Express, 2013, 21, 24060.	3.4	172
22	Noninterferometric single-shot quantitative phase microscopy. Optics Letters, 2013, 38, 3538.	3.3	128
23	Characterization and inspection of microlens array by single cube beam splitter microscopy. Applied Optics, 2011, 50, 886.	2.1	18
24	Quasi-physical phase compensation in digital holographic microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 2005.	1.5	65
25	Transmission digital holographic microscopy based on a beam-splitter cube interferometer. Applied Optics, 2009, 48, 2778.	2.1	41
26	Phase mapping of domain kinetics in lithium niobate by digital holographic interferometry. Journal of Applied Physics, 2009, 105, .	2.5	13
27	Investigation of effective internal field in congruent lithium niobate crystal by digital holographic interferometry. Applied Physics Letters, 2007, 90, 032903.	3.3	6
28	Wavelength dependence of light-induced domain nucleation in MgO-doped congruent LiNbO3 crystal. Applied Physics Letters, 2007, 90, 042904.	3.3	13
29	Diffraction properties of volume holographic gratings for an ultrashort pulsed beam with different polarization states readout. Journal of Modern Optics, 2006, 53, 1931-1945.	1.3	6
30	Ridge-shape phase distribution adjacent to 180° domain wall in congruent LiNbO3 crystal. Applied Physics Letters, 2006, 89, 112912.	3.3	11