Jiwei Zhang

List of Publications by Year
in descending order

36 papers	491 citations	759233 12 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	271 citing authors

#	Article	IF	Citations
1	Dual-wavelength common-path digital holographic microscopy for quantitative phase imaging based on lateral shearing interferometry. Applied Optics, 2016, 55, 7287.	2.1	76
2	Lateral shearing common-path digital holographic microscopy based on a slightly trapezoid Sagnac interferometer. Optics Express, 2017, 25, 13659.	3.4	53
3	Quantitative phase microscopy for cellular dynamics based on transport of intensity equation. Optics Express, 2018, 26, 586.	3.4	53
4	Transmission and total internal reflection integrated digital holographic microscopy. Optics Letters, 2016, 41, 3844.	3.3	33
5	Dynamical measurement of refractive index distribution using digital holographic interferometry based on total internal reflection. Optics Express, 2015, 23, 27328.	3.4	32
6	Improvement of measurement accuracy in digital holographic microscopy by using dual-wavelength technique. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2015, 14, 041313.	0.9	24
7	Common-path digital holographic microscopy for near-field phase imaging based on surface plasmon resonance. Applied Optics, 2017, 56, 3223.	2.1	24
8	A review of common-path off-axis digital holography: towards high stable optical instrument manufacturing. Light Advanced Manufacturing, 2021, 2, 1.	5.1	23
9	Compact surface plasmon holographic microscopy for near-field film mapping. Optics Letters, 2017, 42, 3462.	3.3	22
10	Rotational scanning and multiple-spot focusing through a multimode fiber based on digital optical phase conjugation. Applied Physics Express, 2018, 11, 062501.	2.4	15
11	Real-time and wide-field mapping of cell-substrate adhesion gap and its evolution via surface plasmon resonance holographic microscopy. Biosensors and Bioelectronics, 2021, 174, 112826.	10.1	15
12	Phase-shifting infrared digital holographic microscopy based on an all-fiber variable phase shifter. Applied Optics, 2017, 56, 2686.	2.1	13
13	Simultaneous measurement of refractive index distribution and topography by integrated transmission and reflection digital holographic microscopy. Applied Optics, 2016, 55, 9435.	2.1	12
14	Dual-wavelength common-path digital holographic microscopy for quantitative phase imaging of biological cells. Optical Engineering, 2017, 56, 111712.	1.0	12
15	Wavelength-multiplexing surface plasmon holographic microscopy. Optics Express, 2018, 26, 13549.	3.4	12
16	Plasmonic elliptical nanoholes for chiroptical analysis and enantioselective optical trapping. Nanoscale, 2021, 13, 9185-9192.	5.6	10
17	Complex refractive index measurement for atomic-layer materials via surface plasmon resonance holographic microscopy. Optics Letters, 2019, 44, 2982.	3.3	10
18	Optical tweezers integrated surface plasmon resonance holographic microscopy for characterizing cell-substrate interactions under noninvasive optical force stimuli. Biosensors and Bioelectronics, 2022, 206, 114131.	10.1	9

#	Article	IF	Citations
19	Integrated digital holographic microscopy based on surface plasmon resonance. Optics Express, 2018, 26, 25437.	3.4	8
20	Generation of optical chirality patterns with plane waves, evanescent waves and surface plasmon waves. Optics Express, 2020, 28, 760.	3.4	8
21	Comparison of common-path off-axis digital holography and transport of intensity equation in quantitative phase measurement. Optics and Lasers in Engineering, 2022, 157, 107126.	3.8	5
22	Chiral Structured Illumination Microscopy. ACS Photonics, 2021, 8, 130-134.	6.6	4
23	Dual-channel illumination surface plasmon resonance holographic microscopy for resolution improvement. Optics Letters, 2021, 46, 1604.	3.3	4
24	Light-field focusing and modulation through scattering media based on dual-polarization-encoded digital optical phase conjugation. Optics Letters, 2022, 47, 2738.	3.3	4
25	Simultaneous measurement of near-water-film air temperature and humidity fields based on dual-wavelength digital holographic interferometry. Optics Express, 2022, 30, 17278.	3.4	4
26	Common-path digital holographic microscopy and its applications. , 2016, , .		1
27	Improvement of phase measurement accuracy and stability in dual-wavelength common-path digital holographic microscopy. , 2017, , .		1
28	Short-coherence in-line phase-shifting infrared digital holographic microscopy for measurement of internal structure in silicon. , 2017, , .		1
29	Compact Polarization-resolved Common-path Digital Holography based on Pancharatnam-Berry Phase. Optics Letters, 2021, 46, 5862-5865.	3.3	1
30	Dual-wavelength surface plasmon resonance holographic microscopy for simultaneous measurements of cell adhesion gap and cytoplasm refractive index. Optics Letters, 2022, 47, 2306-2309.	3.3	1
31	High-resolution surface plasmon resonance holographic microscopy based on symmetrical excitation. Optics and Lasers in Engineering, 2022, 153, 107000.	3.8	1
32	Simultaneous Measurement of Thickness and Refractive Index using Spectrum Multiplexing Digital Holographic Microscopy. , 2016, , .		0
33	Structured illumination microscopy for simultaneous imaging of achiral and chiral domains. Optics Letters, 2021, 46, 4546.	3.3	0
34	Surface plasmon holographic microscopy for near-field refractive index detection and thin film mapping. , 2018, , .		0
35	Common-path digital holographic microscopy based on a beam displacer unit. , 2018, , .		0
36	Quasicommon-path digital holographic microscopy with phase aberration compensation based on a long-working distance objective. Optical Engineering, 2018, 57, 1.	1.0	0