Chao Zuo

List of Publications by Year
in descending order

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326 papers	10,748 citations	26630 56 h-index	37204 96 g-index
338 all docs	338 docs citations	338 times ranked	3249 citing authors

#	Article	IF	Citations
1	Phase shifting algorithms for fringe projection profilometry: A review. Optics and Lasers in Engineering, 2018, 109, 23-59.	3.8	728
2	Temporal phase unwrapping algorithms for fringe projection profilometry: A comparative review. Optics and Lasers in Engineering, 2016, 85, 84-103.	3.8	666
3	High-speed three-dimensional shape measurement for dynamic scenes using bi-frequency tripolar pulse-width-modulation fringe projection. Optics and Lasers in Engineering, 2013, 51, 953-960.	3.8	300
4	Transport of intensity equation: a tutorial. Optics and Lasers in Engineering, 2020, 135, 106187.	3.8	272
5	Transport of intensity phase retrieval and computational imaging for partially coherent fields: The phase space perspective. Optics and Lasers in Engineering, 2015, 71, 20-32.	3.8	268
6	High-resolution transport-of-intensity quantitative phase microscopy with annular illumination. Scientific Reports, 2017, 7, 7654.	3.3	256
7	Fringe pattern analysis using deep learning. Advanced Photonics, 2019, 1, 1.	11.8	248
8	Deep learning in optical metrology: a review. Light: Science and Applications, 2022, 11, 39.	16.6	214
9	High-speed three-dimensional profilometry for multiple objects with complex shapes. Optics Express, 2012, 20, 19493.	3.4	201
10	Micro Fourier Transform Profilometry (Î¼FTP): 3D shape measurement at 10,000 frames per second. Optics and Lasers in Engineering, 2018, 102, 70-91.	3.8	186
11	High-speed transport-of-intensity phase microscopy with an electrically tunable lens. Optics Express, 2013, 21, 24060.	3.4	172
12	Adaptive step-size strategy for noise-robust Fourier ptychographic microscopy. Optics Express, 2016, 24, 20724.	3.4	164
13	Microscopic fringe projection profilometry: A review. Optics and Lasers in Engineering, 2020, 135, 106192.	3.8	163
14	General solution for high dynamic range three-dimensional shape measurement using the fringe projection technique. Optics and Lasers in Engineering, 2014, 59, 56-71.	3.8	156
15	Real-time 3-D shape measurement with composite phase-shifting fringes and multi-view system. Optics Express, 2016, 24, 20253.	3.4	155
16	Review of phase measuring deflectometry. Optics and Lasers in Engineering, 2018, 107, 247-257.	3.8	152
17	Deep-learning-enabled geometric constraints and phase unwrapping for single-shot absolute 3D shape measurement. APL Photonics, 2020, 5, .	5.7	146
18	High dynamic range 3D measurements with fringe projection profilometry: a review. Measurement Science and Technology, 2018, 29, 122001.	2.6	145

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19	Robust dynamic 3-D measurements with motion-compensated phase-shifting profilometry. Optics and Lasers in Engineering, 2018, 103, 127-138.	3.8	141
20	Phase aberration compensation in digital holographic microscopy based on principal component analysis. Optics Letters, 2013, 38, 1724.	3.3	140
21	Single-shot absolute 3D shape measurement with deep-learning-based color fringe projection profilometry. Optics Letters, 2020, 45, 1842.	3.3	139
22	Efficient positional misalignment correction method for Fourier ptychographic microscopy. Biomedical Optics Express, 2016, 7, 1336.	2.9	134
23	Calibration of fringe projection profilometry: A comparative review. Optics and Lasers in Engineering, 2021, 143, 106622.	3.8	130
24	Transport-of-intensity phase imaging using Savitzky-Golay differentiation filter - theory and applications. Optics Express, 2013, 21, 5346.	3.4	129
25	Noninterferometric single-shot quantitative phase microscopy. Optics Letters, 2013, 38, 3538.	3.3	128
26	Wide-field high-resolution 3D microscopy with Fourier ptychographic diffraction tomography. Optics and Lasers in Engineering, 2020, 128, 106003.	3.8	122
27	Optimized pulse width modulation pattern strategy for three-dimensional profilometry with projector defocusing. Applied Optics, 2012, 51, 4477.	1.8	120
28	Range Limited Bi-Histogram Equalization for image contrast enhancement. Optik, 2013, 124, 425-431.	2.9	110
29	Resolution Analysis in a Lens-Free On-Chip Digital Holographic Microscope. IEEE Transactions on Computational Imaging, 2020, 6, 697-710.	4.4	107
30	On a universal solution to the transport-of-intensity equation. Optics Letters, 2020, 45, 3649.	3.3	102
31	High-speed in vitro intensity diffraction tomography. Advanced Photonics, 2019, 1, 1.	11.8	100
32	Boundary-artifact-free phase retrieval with the transport of intensity equation: fast solution with use of discrete cosine transform. Optics Express, 2014, 22, 9220.	3.4	99
33	Lensless phase microscopy and diffraction tomography with multi-angle and multi-wavelength illuminations using a LED matrix. Optics Express, 2015, 23, 14314.	3.4	94
34	Scene-based nonuniformity correction algorithm based on interframe registration. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1164.	1.5	92
35	High-speed 3D shape measurement using the optimized composite fringe patterns and stereo-assisted structured light system. Optics Express, 2019, 27, 2411.	3.4	92
36	Robust Chemical Synthesis of Membrane Proteins through a General Method of Removable Backbone Modification. Journal of the American Chemical Society, 2016, 138, 3553-3561.	13.7	88

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37	Sampling criteria for Fourier ptychographic microscopy in object space and frequency space. Optics Express, 2016, 24, 15765.	3.4	85
38	Comparison of two-dimensional integration methods for shape reconstruction from gradient data. Optics and Lasers in Engineering, 2015, 64, 1-11.	3.8	83
39	Resolution-enhanced Fourier ptychographic microscopy based on high-numerical-aperture illuminations. Scientific Reports, 2017, 7, 1187.	3.3	82
40	Robust and efficient multi-frequency temporal phase unwrapping: optimal fringe frequency and pattern sequence selection. Optics Express, 2017, 25, 20381.	3.4	81
41	Temporal phase unwrapping using deep learning. Scientific Reports, 2019, 9, 20175.	3.3	81
42	High-speed three-dimensional shape measurement based on cyclic complementary Gray-code light. Optics Express, 2019, 27, 1283.	3.4	79
43	High-resolution and large field-of-view Fourier ptychographic microscopy and its applications in biomedicine. Reports on Progress in Physics, 2020, 83, 096101.	20.1	76
44	A new microscopic telecentric stereo vision system - Calibration, rectification, and three-dimensional reconstruction. Optics and Lasers in Engineering, 2019, 113, 14-22.	3.8	74
45	Display and detail enhancement for high-dynamic-range infrared images. Optical Engineering, 2011, 50, 1.	1.0	72
46	Micro deep learning profilometry for high-speed 3D surface imaging. Optics and Lasers in Engineering, 2019, 121, 416-427.	3.8	71
47	Transport of intensity diffraction tomography with non-interferometric synthetic aperture for three-dimensional label-free microscopy. Light: Science and Applications, 2022, 11, .	16.6	70
48	Single-shot quantitative phase microscopy based on color-multiplexed Fourier ptychography. Optics Letters, 2018, 43, 3365.	3.3	69
49	Generalized framework for non-sinusoidal fringe analysis using deep learning. Photonics Research, 2021, 9, 1084.	7.0	69
50	miR-335-5p targeting ICAM-1 inhibits invasion and metastasis of thyroid cancer cells. Biomedicine and Pharmacotherapy, 2018, 106, 983-990.	5.6	63
51	Deep-learning-enabled dual-frequency composite fringe projection profilometry for single-shot absolute 3D shape measurement. Opto-Electronic Advances, 2022, 5, 210021-210021.	13.3	63
52	Dynamic 3-D measurement based on fringe-to-fringe transformation using deep learning. Optics Express, 2020, 28, 9405.	3.4	62
53	New temporal high-pass filter nonuniformity correction based on bilateral filter. Optical Review, 2011, 18, 197-202.	2.0	61
54	Adaptive pixel-super-resolved lensfree in-line digital holography for wide-field on-chip microscopy. Scientific Reports, 2017, 7, 11777.	3.3	61

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55	Fast three-dimensional measurements for dynamic scenes with shiny surfaces. Optics Communications, 2017, 382, 18-27.	2.1	61
56	Motion-artifact-free dynamic 3D shape measurement with hybrid Fourier-transform phase-shifting profilometry. Optics Express, 2019, 27, 2713.	3.4	59
57	High-speed Fourier ptychographic microscopy based on programmable annular illuminations. Scientific Reports, 2018, 8, 7669.	3.3	58
58	Smart computational light microscopes (SCLMs) of smart computational imaging laboratory (SCILab). PhotoniX, 2021, 2, .	13.5	56
59	Learning-based method to reconstruct complex targets through scattering medium beyond the memory effect. Optics Express, 2020, 28, 2433.	3.4	56
60	Optimal illumination scheme for isotropic quantitative differential phase contrast microscopy. Photonics Research, 2019, 7, 890.	7.0	53
61	High-speed high dynamic range 3D shape measurement based on deep learning. Optics and Lasers in Engineering, 2020, 134, 106245.	3.8	51
62	High-speed real-time 3D shape measurement based on adaptive depth constraint. Optics Express, 2018, 26, 22440.	3.4	49
63	High-speed three-dimensional shape measurement using geometry-constraint-based number-theoretical phase unwrapping. Optics and Lasers in Engineering, 2019, 115, 21-31.	3.8	48
64	Deep-learning-based fringe-pattern analysis with uncertainty estimation. Optica, 2021, 8, 1507.	9.3	48
65	High-resolution real-time 360Â° 3D model reconstruction of a handheld object with fringe projection profilometry. Optics Letters, 2019, 44, 5751.	3.3	47
66	Three-dimensional tomographic microscopy technique with multi-frequency combination with partially coherent illuminations. Biomedical Optics Express, 2018, 9, 2526.	2.9	46
67	Boundary-artifact-free phase retrieval with the transport of intensity equation II: applications to microlens characterization. Optics Express, 2014, 22, 18310.	3.4	45
68	Efficient quantitative phase microscopy using programmable annular LED illumination. Biomedical Optics Express, 2017, 8, 4687.	2.9	45
69	High-precision real-time 3D shape measurement using a bi-frequency scheme and multi-view system. Applied Optics, 2017, 56, 3646.	2.1	45
70	Phase retrieval using spatially modulated illumination. Optics Letters, 2014, 39, 3615.	3.3	44
71	Zonal wavefront reconstruction in quadrilateral geometry for phase measuring deflectometry. Applied Optics, 2017, 56, 5139.	2.1	43
72	Highly porous nickel oxide thin films prepared by a hydrothermal synthesis method for electrochromic application. Journal of Physics and Chemistry of Solids, 2013, 74, 1522-1526.	4.0	41

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73	Automatic identification and removal of outliers for high-speed fringe projection profilometry. Optical Engineering, 2013, 52, 013605.	1.0	41
74	High dynamic range 3D shape measurement based on the intensity response function of a camera. Applied Optics, 2018, 57, 1378.	1.8	41
75	Deep learning-based fringe modulation-enhancing method for accurate fringe projection profilometry. Optics Express, 2020, 28, 21692.	3.4	41
76	Absolute three-dimensional micro surface profile measurement based on a Greenough-type stereomicroscope. Measurement Science and Technology, 2017, 28, 045004.	2.6	40
77	Phase discrepancy analysis and compensation for fast Fourier transform based solution of the transport of intensity equation. Optics Express, 2014, 22, 17172.	3.4	39
78	Improved intensity-optimized dithering technique for 3D shape measurement. Optics and Lasers in Engineering, 2015, 66, 158-164.	3.8	39
79	Spline based least squares integration for two-dimensional shape or wavefront reconstruction. Optics and Lasers in Engineering, 2017, 91, 221-226.	3.8	39
80	Single-shot 3D shape measurement using an end-to-end stereo matching network for speckle projection profilometry. Optics Express, 2021, 29, 13388.	3.4	39
81	Composite fringe projection deep learning profilometry for single-shot absolute 3D shape measurement. Optics Express, 2022, 30, 3424.	3.4	38
82	High-speed real-time 3-D coordinates measurement based on fringe projection profilometry considering camera lens distortion. Optics Communications, 2014, 329, 44-56.	2.1	36
83	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
84	Vignetting effect in Fourier ptychographic microscopy. Optics and Lasers in Engineering, 2019, 120, 40-48.	3.8	36
85	High-resolution real-time 360â˜ 3D surface defect inspection with fringe projection profilometry. Optics and Lasers in Engineering, 2021, 137, 106382.	3.8	35
86	Direct continuous phase demodulation in digital holography with use of the transport-of-intensity equation. Optics Communications, 2013, 309, 221-226.	2.1	34
87	Graphics processing unitâ€“assisted real-time three-dimensional measurement using speckle-embedded fringe. Applied Optics, 2015, 54, 6865.	2.1	34
88	Programmable aperture microscopy: A computational method for multi-modal phase contrast and light field imaging. Optics and Lasers in Engineering, 2016, 80, 24-31.	3.8	34
89	Adaptive denoising method for Fourier ptychographic microscopy. Optics Communications, 2017, 404, 23-31.	2.1	34
90	Variational Hilbert Quantitative Phase Imaging. Scientific Reports, 2020, 10, 13955.	3.3	34

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91	Regional cerebral metabolism alterations affect resting-state functional connectivity in major depressive disorder. Quantitative Imaging in Medicine and Surgery, 2018, 8, 910-924.	2.0	33
92	Optimal principal component analysis-based numerical phase aberration compensation method for digital holography. Optics Letters, 2016, 41, 1293.	3.3	32
93	Wavelength-scanning lensfree on-chip microscopy for wide-field pixel-super-resolved quantitative phase imaging. Optics Letters, 2021, 46, 2023.	3.3	32
94	Optical diffraction tomography microscopy with transport of intensity equation using a light-emitting diode array. Optics and Lasers in Engineering, 2017, 95, 26-34.	3.8	31
95	Real-time high dynamic range 3D measurement using fringe projection. Optics Express, 2020, 28, 24363.	3.4	30
96	Lensfree dynamic super-resolved phase imaging based on active micro-scanning. Optics Letters, 2018, 43, 3714.	3.3	29
97	Single-shot isotropic quantitative phase microscopy based on color-multiplexed differential phase contrast. APL Photonics, 2019, 4, 121301.	5.7	29
98	Calibration method for panoramic 3D shape measurement with plane mirrors. Optics Express, 2019, 27, 36538.	3.4	28
99	Optimal illumination pattern for transport-of-intensity quantitative phase microscopy. Optics Express, 2018, 26, 27599.	3.4	27
100	Dynamic microscopic 3D shape measurement based on marker-embedded Fourier transform profilometry. Applied Optics, 2018, 57, 772.	1.8	27
101	Improved interframe registration based nonuniformity correction for focal plane arrays. Infrared Physics and Technology, 2012, 55, 263-269.	2.9	26
102	High-precision real-time 3D shape measurement based on a quad-camera system. Journal of Optics (United Kingdom), 2018, 20, 014009.	2.2	26
103	Microscopic 3D measurement of shiny surfaces based on a multi-frequency phase-shifting scheme. Optics and Lasers in Engineering, 2019, 122, 1-7.	3.8	25
104	Multimodal super-resolution reconstruction of infrared and visible images via deep learning. Optics and Lasers in Engineering, 2022, 156, 107078.	3.8	25
105	Shape reconstruction from gradient data in an arbitrarily-shaped aperture by iterative discrete cosine transforms in Southwell configuration. Optics and Lasers in Engineering, 2015, 67, 176-181.	3.8	24
106	Two-dimensional stitching interferometry for self-calibration of high-order additive systematic errors. Optics Express, 2019, 27, 26940.	3.4	24
107	Scene-based nonuniformity correction method using multiscale constant statistics. Optical Engineering, 2011, 50, 1.	1.0	23
108	Programmable Colored Illumination Microscopy (PCIM): A practical and flexible optical staining approach for microscopic contrast enhancement. Optics and Lasers in Engineering, 2016, 78, 35-47.	3.8	23

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109	Registration method for infrared images under conditions of fixed-pattern noise. Optics Communications, 2012, 285, 2293-2302.	2.1	22
110	Motion-oriented high speed 3-D measurements by binocular fringe projection using binary aperiodic patterns. Optics Express, 2017, 25, 540.	3.4	22
111	Real-time complex amplitude reconstruction method for beam quality M^2 factor measurement. Optics Express, 2017, 25, 20142.	3.4	22
112	Range limited double-thresholds multi-histogram equalization for image contrast enhancement. Optical Review, 2015, 22, 246-255.	2.0	20
113	3D Imaging Based on Depth Measurement Technologies. Sensors, 2018, 18, 3711.	3.8	20
114	Real-time microscopic 3D shape measurement based on optimized pulse-width-modulation binary fringe projection. Measurement Science and Technology, 2017, 28, 075010.	2.6	19
115	Single-shot color object reconstruction through scattering medium based on neural network. Optics and Lasers in Engineering, 2021, 136, 106310.	3.8	19
116	A two-frame approach for scene-based nonuniformity correction in array sensors. Infrared Physics and Technology, 2013, 60, 190-196.	2.9	18
117	Resolution-enhanced intensity diffraction tomography in high numerical aperture label-free microscopy. Photonics Research, 2020, 8, 1818.	7.0	18
118	Multimodal computational microscopy based on transport of intensity equation. Journal of Biomedical Optics, 2016, 21, 1.	2.6	17
119	Quantitative Phase Imaging Camera With a Weak Diffuser. Frontiers in Physics, 2019, 7, .	2.1	17
120	Has 3D finally come of age? â€”â€”An introduction to 3D structured-light sensor. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2020, 49, 303001-303001.	0.4	17
121	Iterative optimum frequency combination method for high efficiency phase imaging of absorptive objects based on phase transfer function. Optics Express, 2015, 23, 28031.	3.4	16
122	Multi-step phase aberration compensation method based on optimal principal component analysis and subsampling for digital holographic microscopy. Applied Optics, 2019, 58, 389.	1.8	16
123	Dual-mode phase and fluorescence imaging with a confocal laser scanning microscope. Optics Letters, 2018, 43, 5689.	3.3	16
124	A carrier removal technique for Fourier transform profilometry based on principal component analysis. Optics and Lasers in Engineering, 2015, 74, 80-86.	3.8	15
125	Optimal wavelength selection strategy in temporal phase unwrapping with projection distance minimization. Applied Optics, 2018, 57, 2352.	1.8	15
126	Light field moment imaging: comment. Optics Letters, 2014, 39, 654.	3.3	14

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127	Two-dimensional stitching interferometry based on tilt measurement. Optics Express, 2018, 26, 23278.	3.4	13
128	Multiobjective Location Model Design Based on Government Subsidy in the Recycling of CDW. Mathematical Problems in Engineering, 2017, 2017, 1-9.	1.1	12
129	High-dynamic-range 3D shape measurement based on time domain superposition. Measurement Science and Technology, 2019, 30, 065004.	2.6	12
130	Wide-field anti-aliased quantitative differential phase contrast microscopy. Optics Express, 2018, 26, 25129.	3.4	12
131	Fourier Ptychographic Microscopy: Theory, Advances, and Applications. Guangxue Xuebao/Acta Optica Sinica, 2016, 36, 1011005.	1.2	12
132	Active depth estimation from defocus using a camera array. Applied Optics, 2018, 57, 4960.	1.8	11
133	Dynamic 3D measurement of thermal deformation based on geometric-constrained stereo-matching with a stereo microscopic system. Measurement Science and Technology, 2019, 30, 125007.	2.6	11
134	Upregulation of miR-150-5p alleviates LPS-induced inflammatory response and apoptosis of RAW264.7 macrophages by targeting Notch1. Open Life Sciences, 2020, 15, 544-552.	1.4	11
135	Single-exposure 3D label-free microscopy based on color-multiplexed intensity diffraction tomography. Optics Letters, 2022, 47, 969.	3.3	11
136	Comparative assessment of astigmatism-corrected Czerny-Turner imaging spectrometer using off-the-shelf optics. Optics Communications, 2017, 388, 53-61.	2.1	10
137	High-sensitive ultrasonic sensor using fiber-tip PVC diaphragm Fabry-Perot interferometer and its imaging application. Sensors and Actuators A: Physical, 2018, 279, 474-480.	4.1	10
138	Calibration and rectification of bi-telecentric lenses in Scheimpflug condition. Optics and Lasers in Engineering, 2022, 149, 106793.	3.8	10
139	Generation of Photonic Hooks from Patchy Microcylinders. Photonics, 2021, 8, 466.	2.0	10
140	Multi-pitch self-calibration measurement using a nano-accuracy surface profiler for X-ray mirror metrology. Optics Express, 2020, 28, 23060.	3.4	10
141	Isolation and comparison of mesenchymal stem cell-like cells derived from human gastric cancer tissues and corresponding ovarian metastases. Molecular Medicine Reports, 2016, 13, 1788-1794.	2.4	9
142	A color-corrected strategy for information multiplexed Fourier ptychographic imaging. Optics Communications, 2017, 405, 406-411.	2.1	9
143	Accurate quantitative phase imaging by the transport of intensity equation: a mixed-transfer-function approach. Optics Letters, 2021, 46, 1740.	3.3	9
144	Optimization analysis of partially coherent illumination for refractive index tomographic microscopy. Optics and Lasers in Engineering, 2021, 143, 106624.	3.8	9

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145	DeepDensity: Convolutional neural network based estimation of local fringe pattern density. Optics and Lasers in Engineering, 2021, 145, 106675.	3.8	9
146	Composite deep learning framework for absolute 3D shape measurement based on single fringe phase retrieval and speckle correlation. JPhys Photonics, 2020, 2, 045009.	4.6	9
147	Non-Interferometric Phase Retrieval and Quantitative Phase Microscopy Based on Transport of Intensity Equation: A Review. Zhongguo Jiguang/Chinese Journal of Lasers, 2016, 43, 0609002.	1.2	9
148	Deep Learning Based Computational Imaging: Status, Challenges, and Future. Guangxue Xuebao/Acta Optica Sinica, 2020, 40, 0111003.	1.2	9
149	Accelerated Fourier ptychographic diffraction tomography with sparse annular <scp>LED</scp> illuminations. Journal of Biophotonics, 2022, 15, e202100272.	2.3	9
150	Autofocusing Algorithm for Pixel-Super-Resolved Lensfree On-Chip Microscopy. Frontiers in Physics, 2021, 9, .	2.1	8
151	Super-Resolution Imaging with Patchy Microspheres. Photonics, 2021, 8, 513.	2.0	8
152	Intrapancreatic accessory spleen: Evaluation with CT and MRI. Experimental and Therapeutic Medicine, 2018, 16, 3623-3631.	1.8	7
153	Preliminary application of 125Iâ€“nivolumab to detect PD-1 expression in colon cancer via SPECT. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 1237-1242.	1.5	7
154	Efficient single image stripe nonuniformity correction method for infrared focal plane arrays. Optical Review, 2012, 19, 355-357.	2.0	6
155	Single-shot spatial frequency multiplex fringe pattern for phase unwrapping using deep learning. , 2020, , .		6
156	Deep Learning Enabled Scalable Calibration of a Dynamically Deformed Multimode Fiber. Advanced Photonics Research, 2022, 3, .	3.6	6
157	Scene based nonuniformity correction based on block ergodicity for infrared focal plane arrays. Optik, 2012, 123, 833-840.	2.9	5
158	Phase extraction for dual-wavelength phase-shift Fizeau interferometry in the presence of multi-beam interference. Optics Communications, 2017, 402, 489-497.	2.1	5
159	Enhancing single-shot fringe pattern phase demodulation using advanced variational image decomposition. Journal of Optics (United Kingdom), 2019, 21, 045702.	2.2	5
160	Low-Light-Level Image Super-Resolution Reconstruction Based on a Multi-Scale Features Extraction Network. Photonics, 2021, 8, 321.	2.0	5
161	Microscopic fringe projection profilometry systems in Scheimpflug condition and performance comparison. Surface Topography: Metrology and Properties, 2022, 10, 024004.	1.6	5
162	Exploiting optical degrees of freedom for information multiplexing in diffractive neural networks. Light: Science and Applications, 2022, 11, .	16.6	5

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163	Comparison of Digital Holography and Transport of Intensity for Quantitative Phase Contrast Imaging. , 2014, , 137-142.		4
164	Arsenite Increases Linc-ROR in Human Bronchial Epithelial Cells that Can Be Inhibited by Antioxidant Factors. Biological Trace Element Research, 2020, 198, 131-141.	3.5	4
165	Real-time binocular stereo vision system based on FPGA. , 2018, , .		4
166	Absorption and phase decoupling in transport of intensity diffraction tomography. Optics and Lasers in Engineering, 2022, 156, 107082.	3.8	4
167	A commercialized digital holographic microscope with complete software supporting. , 2020, , .		4
168	Transport of intensity equation: a new approach to phase and light field. , 2014, , .		3
169	10.6Î¼m Infrared light photoinduced insulator-to-metal transition in vanadium dioxide. Infrared Physics and Technology, 2014, 64, 103-107.	2.9	3
170	Automatic high order aberrations correction for digital holographic microscopy based on orthonormal polynomials fitting over irregular shaped aperture. Journal of Optics (United Kingdom), 2019, 21, 045609.	2.2	3
171	An auto-focusing reflection-type lens-less digital holographic microscope. , 2021, , .		3
172	Real-time three-dimensional infrared imaging using fringe projection prof ilometry. Chinese Optics Letters, 2013, 11, S21101-321104.	2.9	3
173	Application of deep learning technology to fringe projection 3D imaging. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2020, 49, 303018-303018.	0.4	3
174	New developments in transport of intensity equation for phase retrieval and computational imaging. , 2014, , .		2
175	Spectrum aliasing minimization for Fourier ptychographic microscopy based on annular illumination optimization. , 2021, , .		2
176	Calibration of telecentric cameras with distortion center estimation. , 2018, , .		2
177	Bi-frequency temporal phase unwrapping using deep learning. , 2019, , .		2
178	High-speed in vitro intensity diffraction tomography. , 2019, , .		2
179	Video-rate quantitative phase microscopy based on Fourier ptychography with annular illuminations. , 2018, , .		2
180	Review of the development of differential phase contrast microscopy. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2019, 48, 603014.	0.4	2

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181	Lens-free on-chip microscopy: theory, advances, and applications. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2019, 48, 603009.	0.4	2
182	High dynamic range and real-time 3D measurement based on a multi-view system. , 2020, , .		2
183	Learning-based absolute 3D shape measurement based on single fringe phase retrieval and speckle correlation. , 2020, , .		2
184	SNR Improvement in Three-Step Phase Shifting Profilometry. , 2012, , .		1
185	Scene-Based Nonuniformity Correction with Multiframe Registration. , 2012, , .		1
186	Lensless transport-of-intensity phase microscopy and tomography with a color LED matrix. , 2015, , .		1
187	Quantitative phase measurement for wafer-level optics. , 2015, , .		1
188	Phase retrieval in arbitrarily shaped aperture with the transport-of-intensity equation. Proceedings of SPIE, 2015, , .	0.8	1
189	Coded multi-angular illumination for Fourier ptychography based on Hadamard codes. , 2015, , .		1
190	Computational microscopy with programmable illumination and coded aperture. , 2017, , .		1
191	A simplified imaging model of bi-telecentric lenses under Scheimpflug condition and its calibration. , 2021, , .		1
192	Quantitative weak phase approximation analysis of quantitative phase imaging based on asymmetric illumination. , 2021, , .		1
193	Pixel super resolution imaging method based on coded aperture modulation. , 2021, , .		1
194	super resolution reconstruction of low light level image based on the feature extraction convolution neural network. , 2021, , .		1
195	An openCL-based speckle matching on the monocular 3D sensor using speckle projection. , 2021, , .		1
196	Quantitative phase imaging camera with a weak diffuser based on the transport of intensity equation. , 2019, , .		1
197	NONUNIFORMITY CORRECTION FOR INFRARED FOCAL PLANE î€ƒARRAYS BASED ON ENVIRONMENTAL TEMPERATURE. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2010, 29, 49-52.	0.2	1
198	Real-Time Three-Dimensional Measurement Composite of Epipolar Constraint and Speckle Correlation. Guangxue Xuebao/Acta Optica Sinica, 2016, 36, 1012003.	1.2	1

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199	Three dimensional micro surface measurement system based on stereomicroscope. Journal of Applied Optics, 2017, 38, 607-611.	0.2	1
200	Micro Fourier Transform Profilometry (Î¼FTP): 3D imaging at 10,000 fps. , 2018, , .		1
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