

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	Calibration and rectification of bi-telecentric lenses in Scheimpflug condition. Optics and Lasers in Engineering, 2022, 149, 106793.	3.8	10
2	Accelerated Fourier ptychographic diffraction tomography with sparse annular <scp>LED</scp> illuminations. Journal of Biophotonics, 2022, 15, e202100272.	2.3	9
3	Single-exposure 3D label-free microscopy based on color-multiplexed intensity diffraction tomography. Optics Letters, 2022, 47, 969.	3.3	11
4	Three dimensional confocal photoacoustic dermoscopy with an autofocusing sono-øpto probe. Journal of Biophotonics, 2022, , e202100323.	2.3	1
5	Composite fringe projection deep learning profilometry for single-shot absolute 3D shape measurement. Optics Express, 2022, 30, 3424.	3.4	38
6	Deep learning in optical metrology: a review. Light: Science and Applications, 2022, 11, 39.	16.6	214
7	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
8	Absorption and phase decoupling in transport of intensity diffraction tomography. Optics and Lasers in Engineering, 2022, 156, 107082.	3.8	4
9	Multimodal super-resolution reconstruction of infrared and visible images via deep learning. Optics and Lasers in Engineering, 2022, 156, 107078.	3.8	25
10	Deep Learning Enabled Scalable Calibration of a Dynamically Deformed Multimode Fiber. Advanced Photonics Research, 2022, 3, .	3.6	6
11	Microscopic fringe projection profilometry systems in Scheimpflug condition and performance comparison. Surface Topography: Metrology and Properties, 2022, 10, 024004.	1.6	5
12	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
13	Transport of intensity diffraction tomography with non-interferometric synthetic aperture. , 2022, , .		0
14	Accelerated Fourier ptychographic diffraction tomography based on coded illumination. , 2022, , .		0
15	Exploiting optical degrees of freedom for information multiplexing in diffractive neural networks. Light: Science and Applications, 2022, 11, .	16.6	5
16	Single-shot color object reconstruction through scattering medium based on neural network. Optics and Lasers in Engineering, 2021, 136, 106310.	3.8	19
17	High-resolution real-time 360° 3D surface defect inspection with fringe projection profilometry. Optics and Lasers in Engineering, 2021, 137, 106382.	3.8	35
18	High-frequency enhanced based on high-resolution synthetic spectrum quantitative phase imaging. , 2021, , .		0

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19	Color deep learning profilometry for single-shot 3D shape measurement. , 2021, , .		0
20	A simplified imaging model of bi-telecentric lenses under Scheimpflug condition and its calibration. , 2021, , .		1
21	Quantitative weak phase approximation analysis of quantitative phase imaging based on asymmetric illumination. , 2021, , .		1
22	Pixel super resolution imaging method based on coded aperture modulation. , 2021, , .		1
23	An improved reliability-guided phase unwrapping algorithm for digital holographic microscopic. , 2021, , .		0
24	Super-resolution lensless microscopy using multi-wavelength multiplexing. , 2021, , .		0
25	Spectrum aliasing minimization for Fourier ptychographic microscopy based on annular illumination optimization. , 2021, , .		2
26	Super-resolution simulation of terahertz coded aperture imaging. , 2021, , .		0
27	Autofocusing Algorithm for Pixel-Super-Resolved Lensfree On-Chip Microscopy. Frontiers in Physics, 2021, 9, .	2.1	8
28	Accurate quantitative phase imaging by the transport of intensity equation: a mixed-transfer-function approach. Optics Letters, 2021, 46, 1740.	3.3	9
29	super resolution reconstruction of low light level image based on the feature extraction convolution neural network. , 2021, , .		1
30	Wavelength-scanning lensfree on-chip microscopy for wide-field pixel-super-resolved quantitative phase imaging. Optics Letters, 2021, 46, 2023.	3.3	32
31	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
32	Accurate quantitative phase imaging by the transport of intensity equation: a mixed-transfer-function approach: erratum. Optics Letters, 2021, 46, 2408.	3.3	0
33	Generalized framework for non-sinusoidal fringe analysis using deep learning. Photonics Research, 2021, 9, 1084.	7.0	69
34	Structured-light 3D shape measurements using deep learning. , 2021, , .		0
35	Corrigendum to "Transport of intensity equation: A tutorial" Optics and Lasers in Engineering, Volume 135 (2020) 106187. Optics and Lasers in Engineering, 2021, , 106672.	3.8	0
36	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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37	Calibration of fringe projection profilometry: A comparative review. Optics and Lasers in Engineering, 2021, 143, 106622.	3.8	130
38	Low-Light-Level Image Super-Resolution Reconstruction Based on a Multi-Scale Features Extraction Network. Photonics, 2021, 8, 321.	2.0	5
39	Smart computational light microscopes (SCLMs) of smart computational imaging laboratory (SCILab). PhotonIX, 2021, 2, .	13.5	56
40	Editorial: Optical Microscopic and Spectroscopic Techniques Targeting Biological Applications. Frontiers in Physics, 2021, 9, .	2.1	0
41	DeepDensity: Convolutional neural network based estimation of local fringe pattern density. Optics and Lasers in Engineering, 2021, 145, 106675.	3.8	9
42	An openCL-based speckle matching on the monocular 3D sensor using speckle projection. , 2021, , .		1
43	End-to-end single-shot composite fringe projection profilometry based on deep learning. , 2021, , .		0
44	An auto-focusing reflection-type lens-less digital holographic microscope. , 2021, , .		3
45	Phase space retrieval by iterative three-dimensional intensity projections. , 2021, , .		0
46	Quantitative phase imaging with mixed-transfer-function for resolution enhancement. , 2021, , .		0
47	Generation of Photonic Hooks from Patchy Microcylinders. Photonics, 2021, 8, 466.	2.0	10
48	Super-resolution algorithm for lensless microscope based on z-axis correction. , 2021, , .		0
49	Low-light-level image pixel super-resolution reconstruction method. , 2021, , .		0
50	Single-exposure 3D label-free microscopy based on color-multiplexed intensity diffraction tomography. , 2021, , .		0
51	Deep learning-based single-shot spatial frequency multiplexing composite fringe projection profilometry. , 2021, , .		0
52	High-accuracy real-time omnidirectional 3D scanning and inspection system. , 2021, , .		0
53	Calibration method for monocular 3D imaging systems based on reference planes. , 2021, , .		0
54	Fast and high-precision 3D face scanning system based on infrared fringe projection. , 2021, , .		0

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55	Wide field coded aperture super resolution imaging. , 2021, , .		0
56	Fast 3D measurement method based on improved digital image correlation using grid-based feature extraction. , 2021, , .		0
57	Optimizing design of partially coherent illumination for refractive index tomographic microscopy. , 2021, , .		0
58	Transport of intensity equation: noninterferometric phase imaging and diffraction tomography. , 2021, , .		0
59	Single-shot, 360-degree, and high-precision three- dimensional shape measurement for human heads based on digital image correlation and plane mirrors. , 2021, , .		0
60	Deep-learning-based fringe-pattern analysis with uncertainty estimation. Optica, 2021, 8, 1507.	9.3	48
61	Super-Resolution Imaging with Patchy Microspheres. Photonics, 2021, 8, 513.	2.0	8
62	Resolution-enhanced quantitative phase imaging from transport of intensity equation: mixed-transfer-function. , 2021, , .		0
63	Low-light-level image super-resolution reconstruction via deep learning network. , 2021, , .		0
64	Stereo rectification of Scheimpflug telecentric lenses. , 2021, , .		0
65	Coherence retrieval via three-dimensional intensity measurement. , 2021, , .		0
66	Stereo phase unwrapping using deep learning for single-shot absolute 3D shape measurement. , 2021, , .		0
67	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
68	Variational Hilbert Quantitative Phase Imaging. Scientific Reports, 2020, 10, 13955.	3.3	34
69	Deep-learning-enabled geometric constraints and phase unwrapping for single-shot absolute 3D shape measurement. APL Photonics, 2020, 5, .	5.7	146
70	High-speed high dynamic range 3D shape measurement based on deep learning. Optics and Lasers in Engineering, 2020, 134, 106245.	3.8	51
71	Transport of intensity equation: a tutorial. Optics and Lasers in Engineering, 2020, 135, 106187.	3.8	272
72	Microscopic fringe projection profilometry: A review. Optics and Lasers in Engineering, 2020, 135, 106192.	3.8	163

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73	Arsenite Increases Linc-ROR in Human Bronchial Epithelial Cells that Can Be Inhibited by Antioxidant Factors. <i>Biological Trace Element Research</i> , 2020, 198, 131-141.	3.5	4
74	Resolution Analysis in a Lens-Free On-Chip Digital Holographic Microscope. <i>IEEE Transactions on Computational Imaging</i> , 2020, 6, 697-710.	4.4	107
75	Wide-field high-resolution 3D microscopy with Fourier ptychographic diffraction tomography. <i>Optics and Lasers in Engineering</i> , 2020, 128, 106003.	3.8	122
76	Composite deep learning framework for absolute 3D shape measurement based on single fringe phase retrieval and speckle correlation. <i>JPhys Photonics</i> , 2020, 2, 045009.	4.6	9
77	Learning-based method to reconstruct complex targets through scattering medium beyond the memory effect. <i>Optics Express</i> , 2020, 28, 2433.	3.4	56
78	Dynamic 3-D measurement based on fringe-to-fringe transformation using deep learning. <i>Optics Express</i> , 2020, 28, 9405.	3.4	62
79	Deep learning-based fringe modulation-enhancing method for accurate fringe projection profilometry. <i>Optics Express</i> , 2020, 28, 21692.	3.4	41
80	Real-time high dynamic range 3D measurement using fringe projection. <i>Optics Express</i> , 2020, 28, 24363.	3.4	30
81	Single-shot absolute 3D shape measurement with deep-learning-based color fringe projection profilometry. <i>Optics Letters</i> , 2020, 45, 1842.	3.3	139
82	On a universal solution to the transport-of-intensity equation. <i>Optics Letters</i> , 2020, 45, 3649.	3.3	102
83	Resolution-enhanced intensity diffraction tomography in high numerical aperture label-free microscopy. <i>Photonics Research</i> , 2020, 8, 1818.	7.0	18
84	Has 3D finally come of age? An introduction to 3D structured-light sensor. <i>Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering</i> , 2020, 49, 303001-303001.	0.4	17
85	Application of deep learning technology to fringe projection 3D imaging. <i>Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering</i> , 2020, 49, 303018-303018.	0.4	3
86	Deep Learning Based Computational Imaging: Status, Challenges, and Future. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2020, 40, 0111003.	1.2	9
87	High dynamic range and real-time 3D measurement based on a multi-view system. , 2020, , .		2
88	Computational microscopy for quantitative phase imaging and refractive index tomography using annular illumination. , 2020, , .		0
89	A computational super-resolution technique based on coded aperture imaging. , 2020, , .		1
90	Upregulation of miR-150-5p alleviates LPS-induced inflammatory response and apoptosis of RAW264.7 macrophages by targeting Notch1. <i>Open Life Sciences</i> , 2020, 15, 544-552.	1.4	11

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91	Multi-pitch self-calibration measurement using a nano-accuracy surface profiler for X-ray mirror metrology. Optics Express, 2020, 28, 23060.	3.4	10
92	Label-free quantitative 3D intensity diffraction tomographic imaging in high numerical aperture microscopy. , 2020, , .		0
93	Lensfree super-resolved microscopy based on multi-wavelength multiplexing. , 2020, , .		1
94	Fast 3D surface defect detection with fringe projection. , 2020, , .		0
95	Optimal annular illumination pattern for Fourier ptychographic microscopy based on spectrum aliasing minimization. , 2020, , .		1
96	Stereo phase unwrapping method based on feedback projection. , 2020, , .		0
97	Optimization method for the synthetic apertures imaging system. , 2020, , .		0
98	Phase space retrieval and the imaging system effect. , 2020, , .		0
99	Coherence effect compensation in diﬀeruser-based quantitative phase imaging. , 2020, , .		0
100	Anti-aliasing high resolution quantitative phase microscopy based on differential phase contrast imaging. , 2020, , .		0
101	Learning-based absolute 3D shape measurement based on single fringe phase retrieval and speckle correlation. , 2020, , .		2
102	An iterative compensation solution to the transport-of-intensity equation. , 2020, , .		1
103	Holographic lensless quantitative phase imaging microscope. , 2020, , .		0
104	Robust absolute 3D measurement using stereo cost-volume filtering for fringe orders. , 2020, , .		0
105	Single-shot spatial frequency multiplex fringe pattern for phase unwrapping using deep learning. , 2020, , .		6
106	Miniaturized multi-contrast quantitative phase imaging microscope. , 2020, , .		0
107	Learning-based 3D shape measurements with fringe projection. , 2020, , .		0
108	Deep-learning-enabled fringe projection profilometry. , 2020, , .		0

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109	A commercialized digital holographic microscope with complete software supporting. , 2020, , .		4
110	Pixel-super-resolution lensfree microscopy based on multiple-wavelength scanning. , 2020, , .		0
111	Wigner distribution function retrieval via three-dimensional intensity measurement. , 2020, , .		0
112	Learning-based absolute 3D shape measurement based on single fringe phase retrieval and speckle correlation. , 2020, , .		0
113	Super resolution imaging method based on the synthetic aperture system. , 2020, , .		0
114	3D resolution-enhanced intensity diffraction tomographic microscopy. , 2020, , .		0
115	Improved multi-slice Fourier ptychographic diffraction tomography based on high-numerical-aperture illuminations. , 2020, , .		0
116	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
117	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
118	Quantitative Phase Imaging Camera With a Weak Diffuser. Frontiers in Physics, 2019, 7, .	2.1	17
119	Micro deep learning profilometry for high-speed 3D surface imaging. Optics and Lasers in Engineering, 2019, 121, 416-427.	3.8	71
120	Vignetting effect in Fourier ptychographic microscopy. Optics and Lasers in Engineering, 2019, 120, 40-48.	3.8	36
121	High-dynamic-range 3D shape measurement based on time domain superposition. Measurement Science and Technology, 2019, 30, 065004.	2.6	12
122	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
123	Enhancing single-shot fringe pattern phase demodulation using advanced variational image decomposition. Journal of Optics (United Kingdom), 2019, 21, 045702.	2.2	5
124	Single-shot isotropic quantitative phase microscopy based on color-multiplexed differential phase contrast. APL Photonics, 2019, 4, 121301.	5.7	29
125	Temporal phase unwrapping using deep learning. Scientific Reports, 2019, 9, 20175.	3.3	81
126	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

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127	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
128	Fringe pattern analysis using deep learning. Advanced Photonics, 2019, 1, 1.	11.8	248
129	High-speed in vitro intensity diffraction tomography. Advanced Photonics, 2019, 1, 1.	11.8	100
130	Bi-frequency temporal phase unwrapping using deep learning. , 2019, , .		2
131	Quantitative phase imaging camera with a weak diffuser based on the transport of intensity equation. , 2019, , .		1
132	High-speed in vitro intensity diffraction tomography. , 2019, , .		2
133	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
134	High-speed three-dimensional shape measurement based on cyclic complementary Gray-code light. Optics Express, 2019, 27, 1283.	3.4	79
135	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
136	Motion-artifact-free dynamic 3D shape measurement with hybrid Fourier-transform phase-shifting profilometry. Optics Express, 2019, 27, 2713.	3.4	59
137	Two-dimensional stitching interferometry for self-calibration of high-order additive systematic errors. Optics Express, 2019, 27, 26940.	3.4	24
138	Calibration method for panoramic 3D shape measurement with plane mirrors. Optics Express, 2019, 27, 36538.	3.4	28
139	High-resolution real-time 360° 3D model reconstruction of a handheld object with fringe projection profilometry. Optics Letters, 2019, 44, 5751.	3.3	47
140	Optimal illumination scheme for isotropic quantitative differential phase contrast microscopy. Photonics Research, 2019, 7, 890.	7.0	53
141	3D imaging based on depth measurement. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2019, 48, 603013.	0.4	0
142	System Calibration for Panoramic 3D Measurement with Plane Mirrors. Lecture Notes in Computer Science, 2019, , 15-26.	1.3	1
143	Transport-of-intensity equation (TIE) based phase imaging in a confocal laser scanning microscope. , 2019, , .		1
144	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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145	Review of the development and application of deformation measurement based on digital holography and digital speckle interferometry. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2019, 48, 603010.	0.4	0
146	Lens-free on-chip microscopy: theory, advances, and applications. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2019, 48, 603009.	0.4	2
147	Fast Stereo 3D Imaging Based on Random Speckle Projection and Its FPGA Implementation. Lecture Notes in Computer Science, 2019, , 205-216.	1.3	0
148	Robust Dynamic 3D Shape Measurement with Hybrid Fourier-Transform Phase-Shifting Profilometry. Lecture Notes in Computer Science, 2019, , 122-133.	1.3	0
149	Three-dimensional tomographic microscopy technique with multi-frequency combination with partially coherent illuminations. , 2019, , .		1
150	Real-time 3D point cloud registration. , 2019, , .		0
151	High dynamic range and fast 3D measurement based on a telecentric stereo-microscopic system. , 2019, , .		0
152	High-speed three-dimensional shape measurement based on robust Gray-code coding strategies. , 2019, , .		0
153	Full-surface 3-D reconstruction based on surround structured lighting. , 2019, , .		0
154	Speckle quantitative phase imaging based on coherence effect compensation. , 2019, , .		0
155	Improved multi-slice Fourier ptychographic microscopy technique for high-accuracy three-dimensional tomography under oblique illuminations. , 2019, , .		0
156	Fast panoramic 3D shape measurement using the multi-view system with plane mirrors. , 2019, , .		0
157	The optimization criteria for resolution improvement in a lens-free on-chip digital holographic microscope. , 2019, , .		1
158	Isotropic quantitative phase imaging with optimal differential phase contrast illumination scheme. , 2019, , .		0
159	Video-rate isotropic quantitative differential phase contrast microscopy based on color-multiplexed annular illumination. , 2019, , .		1
160	High-speed 3D shape measurement with the multi-view system using deep learning. , 2019, , .		1
161	Temporal phase unwrapping using multi-scale deep neural networks. , 2019, , .		0
162	Quantitative phase microscopy based on color-multiplexed single-shot Fourier ptychography. , 2019, , .		0

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163	Single-shot 3D shape measurement with spatial frequency multiplexing using deep learning. , 2019, , .		0
164	Microscopic fringe projection profilometry comparison based on stereoscopic microscope and telecentric lenses. , 2019, , .		0
165	High-speed 3D measurements at 20,000Hz with deep convolutional neural networks. , 2019, , .		1
166	10.1063/1.5124535.1. , 2019, , .		0
167	Speckle quantitative phase imaging camera based on the transport of intensity equation. , 2019, , .		0
168	Review of phase measuring deflectometry. Optics and Lasers in Engineering, 2018, 107, 247-257.	3.8	152
169	Robust dynamic 3-D measurements with motion-compensated phase-shifting profilometry. Optics and Lasers in Engineering, 2018, 103, 127-138.	3.8	141
170	High-precision real-time 3D shape measurement based on a quad-camera system. Journal of Optics (United Kingdom), 2018, 20, 014009.	2.2	26
171	Micro Fourier Transform Profilometry ($\frac{1}{4}$ FTP): 3D shape measurement at 10,000 frames per second. Optics and Lasers in Engineering, 2018, 102, 70-91.	3.8	186
172	Optimal illumination pattern for transport-of-intensity quantitative phase microscopy. Optics Express, 2018, 26, 27599.	3.4	27
173	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
174	3D Imaging Based on Depth Measurement Technologies. Sensors, 2018, 18, 3711.	3.8	20
175	Intrapancreatic accessory spleen: Evaluation with CT and MRI. Experimental and Therapeutic Medicine, 2018, 16, 3623-3631.	1.8	7
176	High dynamic range 3D measurements with fringe projection profilometry: a review. Measurement Science and Technology, 2018, 29, 122001.	2.6	145
177	Two-dimensional stitching interferometry based on tilt measurement. Optics Express, 2018, 26, 23278.	3.4	13
178	High-speed real-time 3D shape measurement based on adaptive depth constraint. Optics Express, 2018, 26, 22440.	3.4	49
179	Phase shifting algorithms for fringe projection profilometry: A review. Optics and Lasers in Engineering, 2018, 109, 23-59.	3.8	728
180	High-speed Fourier ptychographic microscopy based on programmable annular illuminations. Scientific Reports, 2018, 8, 7669.	3.3	58

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181	Three-dimensional tomographic microscopy technique with multi-frequency combination with partially coherent illuminations. <i>Biomedical Optics Express</i> , 2018, 9, 2526.	2.9	46
182	Single-shot quantitative phase microscopy based on color-multiplexed Fourier ptychography. <i>Optics Letters</i> , 2018, 43, 3365.	3.3	69
183	Lensfree dynamic super-resolved phase imaging based on active micro-scanning. <i>Optics Letters</i> , 2018, 43, 3714.	3.3	29
184	Dynamic microscopic 3D shape measurement based on marker-embedded Fourier transform profilometry. <i>Applied Optics</i> , 2018, 57, 772.	1.8	27
185	Optimal wavelength selection strategy in temporal phase unwrapping with projection distance minimization. <i>Applied Optics</i> , 2018, 57, 2352.	1.8	15
186	High-sensitive ultrasonic sensor using fiber-tip PVC diaphragm Fabry-Perot interferometer and its imaging application. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 474-480.	4.1	10
187	miR-335-5p targeting ICAM-1 inhibits invasion and metastasis of thyroid cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 983-990.	5.6	63
188	High dynamic range 3D shape measurement based on the intensity response function of a camera. <i>Applied Optics</i> , 2018, 57, 1378.	1.8	41
189	Active depth estimation from defocus using a camera array. <i>Applied Optics</i> , 2018, 57, 4960.	1.8	11
190	Preliminary application of ¹²⁵ I-nivolumab to detect PD-1 expression in colon cancer via SPECT. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1237-1242.	1.5	7
191	Calibration of telecentric cameras with distortion center estimation. , 2018, , .		2
192	Real-time binocular stereo vision system based on FPGA. , 2018, , .		4
193	Wide-field anti-aliased quantitative differential phase contrast microscopy. <i>Optics Express</i> , 2018, 26, 25129.	3.4	12
194	Dual-mode phase and fluorescence imaging with a confocal laser scanning microscope. <i>Optics Letters</i> , 2018, 43, 5689.	3.3	16
195	Micro Fourier Transform Profilometry (Î¼4FTP): 3D imaging at 10,000 fps. , 2018, , .		1
196	Pixel-super-resolved lensfree holography using adaptive relaxation factor and positional error correction. , 2018, , .		0
197	Robust stereo phase unwrapping based on a quad-camera system. , 2018, , .		0
198	Motion-compensated three-step phase-shifting profilometry. , 2018, , .		0

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199	Video-rate quantitative phase microscopy based on Fourier ptychography with annular illuminations. , 2018, , .		2
200	Efficient quantitative phase imaging for programmable LED light microscopy. , 2018, , .		0
201	The dynamic super-resolution phase imaging based on low-cost lensfree system. , 2018, , .		0
202	High-speed three-dimensional shape measurement using improved bi-frequency scheme and number-theoretical phase unwrapping. , 2018, , .		0
203	Adaptive denoising method based on iterative process for Fourier ptychographic microscopy. , 2018, , .		0
204	High-speed 3D shape measurement using composite structured-light patterns and multiview system. , 2018, , .		0
205	Comparative assessment of astigmatism-corrected Czerny-Turner imaging spectrometer using off-the-shelf optics. Optics Communications, 2017, 388, 53-61.	2.1	10
206	Computational method for multi-modal microscopy based on transport of intensity equation. Proceedings of SPIE, 2017, , .	0.8	0
207	Computational microscopy with programmable illumination and coded aperture. , 2017, , .		1
208	Practical considerations for high speed real-time 3D measurements by the fringe projection. Proceedings of SPIE, 2017, , .	0.8	0
209	Absolute three-dimensional micro surface profile measurement based on a Greenough-type stereomicroscope. Measurement Science and Technology, 2017, 28, 045004.	2.6	40
210	A positional misalignment correction method for Fourier ptychographic microscopy based on simulated annealing. , 2017, , .		0
211	The importance of the boundary condition in the transport of intensity equation based phase measurement. , 2017, , .		0
212	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
213	Three-dimensional measurement based on a Greenough-type stereomicroscope using phase-shifting projection. Proceedings of SPIE, 2017, , .	0.8	0
214	Multi-view phase unwrapping with composite fringe patterns. Proceedings of SPIE, 2017, , .	0.8	0
215	High speed 3D shape measurements with motion compensation. Proceedings of SPIE, 2017, , .	0.8	0
216	Adaptive denoising method for Fourier ptychographic microscopy. Optics Communications, 2017, 404, 23-31.	2.1	34

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217	Real-time microscopic 3D shape measurement based on optimized pulse-width-modulation binary fringe projection. <i>Measurement Science and Technology</i> , 2017, 28, 075010.	2.6	19
218	Resolution-enhanced Fourier ptychographic microscopy based on high-numerical-aperture illuminations. <i>Scientific Reports</i> , 2017, 7, 1187.	3.3	82
219	Spline based least squares integration for two-dimensional shape or wavefront reconstruction. <i>Optics and Lasers in Engineering</i> , 2017, 91, 221-226.	3.8	39
220	A color-corrected strategy for information multiplexed Fourier ptychographic imaging. <i>Optics Communications</i> , 2017, 405, 406-411.	2.1	9
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