

# Changhuei Yang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1816529/changhuei-yang-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155  
papers

10,851  
citations

48  
h-index

102  
g-index

180  
ext. papers

13,980  
ext. citations

6.3  
avg, IF

6.58  
L-index

#	Paper	IF	Citations
155	Developing optofluidic technology through the fusion of microfluidics and optics. <i>Nature</i> , <b>2006</b> , 442, 381-6	50.4	1385
154	Sensitivity advantage of swept source and Fourier domain optical coherence tomography. <i>Optics Express</i> , <b>2003</b> , 11, 2183-9	3.3	1324
153	Wide-field, high-resolution Fourier ptychographic microscopy. <i>Nature Photonics</i> , <b>2013</b> , 7, 739-745	33.9	784
152	OPTICAL PHASE CONJUGATION FOR TURBIDITY SUPPRESSION IN BIOLOGICAL SAMPLES. <i>Nature Photonics</i> , <b>2008</b> , 2, 110-115	33.9	422
151	Guidestar-assisted wavefront-shaping methods for focusing light into biological tissue. <i>Nature Photonics</i> , <b>2015</b> , 9, 563-571	33.9	300
150	Spectral-domain phase microscopy. <i>Optics Letters</i> , <b>2005</b> , 30, 1162-4	3	263
149	Deep-tissue focal fluorescence imaging with digitally time-reversed ultrasound-encoded light. <i>Nature Communications</i> , <b>2012</b> , 3, 928	17.4	238
148	Lensless high-resolution on-chip optofluidic microscopes for <i>Caenorhabditis elegans</i> and cell imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 10670-5	11.5	226
147	Implementation of a digital optical phase conjugation system and its application to study the robustness of turbidity suppression by phase conjugation. <i>Optics Express</i> , <b>2010</b> , 18, 3444-55	3.3	207
146	Embedded pupil function recovery for Fourier ptychographic microscopy. <i>Optics Express</i> , <b>2014</b> , 22, 4960-3	3.3	193
145	Optofluidic microscopy--a method for implementing a high resolution optical microscope on a chip. <i>Lab on A Chip</i> , <b>2006</b> , 6, 1274-6	7.2	190
144	Quantitative phase imaging via Fourier ptychographic microscopy. <i>Optics Letters</i> , <b>2013</b> , 38, 4845-8	3	188
143	Mobility and transverse flow visualization using phase variance contrast with spectral domain optical coherence tomography. <i>Optics Express</i> , <b>2007</b> , 15, 12636-53	3.3	172
142	Speckle-scale focusing in the diffusive regime with time-reversal of variance-encoded light (TROVE). <i>Nature Photonics</i> , <b>2013</b> , 7, 300-305	33.9	164
141	Cellular organization and substructure measured using angle-resolved low-coherence interferometry. <i>Biophysical Journal</i> , <b>2002</b> , 82, 2256-64	2.9	157
140	Spectral domain optical coherence tomography: a better OCT imaging strategy. <i>BioTechniques</i> , <b>2005</b> , 39, S6-13	2.5	156
139	Wavefront shaping with disorder-engineered metasurfaces. <i>Nature Photonics</i> , <b>2018</b> , 12, 84-90	33.9	150

138	The ePetri dish, an on-chip cell imaging platform based on subpixel perspective sweeping microscopy (SPSM). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16889-94	11.5	138
137	An in vivo study of turbidity suppression by optical phase conjugation (TSOPC) on rabbit ear. <i>Optics Express</i> , <b>2010</b> , 18, 25-30	3.3	138
136	Focusing through dynamic tissue with millisecond digital optical phase conjugation. <i>Optica</i> , <b>2015</b> , 2, 728-735	7.2	134
135	Diffraction tomography with Fourier ptychography. <i>Optica</i> , <b>2016</b> , 3, 827-835	8.6	122
134	A smartphone-based chip-scale microscope using ambient illumination. <i>Lab on A Chip</i> , <b>2014</b> , 14, 3056-63	7.2	117
133	Instantaneous complex conjugate resolved spectral domain and swept-source OCT using 3x3 fiber couplers. <i>Optics Express</i> , <b>2005</b> , 13, 957-67	3.3	115
132	High numerical aperture Fourier ptychography: principle, implementation and characterization. <i>Optics Express</i> , <b>2015</b> , 23, 3472-91	3.3	111
131	Translation correlations in anisotropically scattering media. <i>Nature Physics</i> , <b>2015</b> , 11, 684-689	16.2	110
130	Instantaneous quadrature low-coherence interferometry with 3 x 3 fiber-optic couplers. <i>Optics Letters</i> , <b>2003</b> , 28, 2162-4	3	95
129	Sub-pixel resolving optofluidic microscope for on-chip cell imaging. <i>Lab on A Chip</i> , <b>2010</b> , 10, 3125-9	7.2	93
128	Digital optical phase conjugation of fluorescence in turbid tissue. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 811084	7.2	90
127	Focusing on moving targets through scattering samples. <i>Optica</i> , <b>2014</b> , 1, 227-232	8.6	86
126	Microscopy refocusing and dark-field imaging by using a simple LED array. <i>Optics Letters</i> , <b>2011</b> , 36, 3987-9	3	85
125	Paired-angle-rotation scanning optical coherence tomography forward-imaging probe. <i>Optics Letters</i> , <b>2006</b> , 31, 1265-7	3	82
124	Phase-referenced interferometer with subwavelength and subhertz sensitivity applied to the study of cell membrane dynamics. <i>Optics Letters</i> , <b>2001</b> , 26, 1271-3	3	77
123	Fourier-domain low-coherence interferometry for light-scattering spectroscopy. <i>Optics Letters</i> , <b>2003</b> , 28, 1230-2	3	72
122	In situ detection of neoplastic transformation and chemopreventive effects in rat esophagus epithelium using angle-resolved low-coherence interferometry. <i>Cancer Research</i> , <b>2003</b> , 63, 3556-9	10.1	72
121	Spectral triangulation molecular contrast optical coherence tomography with indocyanine green as the contrast agent. <i>Optics Letters</i> , <b>2004</b> , 29, 2016-8	3	64

120	Solving ptychography with a convex relaxation. <i>New Journal of Physics</i> , <b>2015</b> , 17,	2.9	62
119	Physical key-protected one-time pad. <i>Scientific Reports</i> , <b>2013</b> , 3, 3543	4.9	62
118	Molecular Contrast Optical Coherence Tomography: A Review. <i>Photochemistry and Photobiology</i> , <b>2005</b> , 81, 215	3.6	59
117	Interferometric phase-dispersion microscopy. <i>Optics Letters</i> , <b>2000</b> , 25, 1526-8	3	58
116	Frequency estimation precision in Doppler optical coherence tomography using the Cramer-Rao lower bound. <i>Optics Express</i> , <b>2005</b> , 13, 410-6	3.3	57
115	Cavity ring-down technique and its application to the measurement of ultraslow velocities. <i>Optics Letters</i> , <b>1995</b> , 20, 1068	3	52
114	Concept, implementations and applications of Fourier ptychography. <i>Nature Reviews Physics</i> , <b>2021</b> , 3, 207-223	23.6	52
113	Relation between speckle decorrelation and optical phase conjugation (OPC)-based turbidity suppression through dynamic scattering media: a study on in vivo mouse skin. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 72-85	3.5	51
112	Characterization of spatially varying aberrations for wide field-of-view microscopy. <i>Optics Express</i> , <b>2013</b> , 21, 15131-43	3.3	51
111	Protein-based molecular contrast optical coherence tomography with phytochrome as the contrast agent. <i>Optics Letters</i> , <b>2004</b> , 29, 1396-8	3	51
110	Color capable sub-pixel resolving optofluidic microscope and its application to blood cell imaging for malaria diagnosis. <i>PLoS ONE</i> , <b>2011</b> , 6, e26127	3.7	49
109	Polarization-resolved second-harmonic-generation optical coherence tomography in collagen. <i>Optics Letters</i> , <b>2004</b> , 29, 2252-4	3	48
108	Optofluidic ultrahigh-throughput detection of fluorescent drops. <i>Lab on A Chip</i> , <b>2015</b> , 15, 1417-23	7.2	47
107	Fourier ptychographic microscopy for filtration-based circulating tumor cell enumeration and analysis. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 066007	3.5	47
106	A phase space model of Fourier ptychographic microscopy. <i>Optics Express</i> , <b>2014</b> , 22, 338-58	3.3	45
105	Fourier ptychographic reconstruction using Poisson maximum likelihood and truncated Wirtinger gradient. <i>Scientific Reports</i> , <b>2016</b> , 6, 27384	4.9	45
104	Digital pathology with Fourier ptychography. <i>Computerized Medical Imaging and Graphics</i> , <b>2015</b> , 42, 38-43	3.6	44
103	Counting White Blood Cells from a Blood Smear Using Fourier Ptychographic Microscopy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133489	3.7	42

102	Method for auto-alignment of digital optical phase conjugation systems based on digital propagation. <i>Optics Express</i> , <b>2014</b> , 22, 14054-71	3.3	42
101	Fluorescence microscopy imaging with a Fresnel zone plate array based optofluidic microscope. <i>Lab on A Chip</i> , <b>2011</b> , 11, 3698-702	7.2	41
100	Deep tissue optical focusing and optogenetic modulation with time-reversed ultrasonically encoded light. <i>Science Advances</i> , <b>2017</b> , 3, eaao5520	14.3	40
99	Measurement of angular distributions by use of low-coherence interferometry for light-scattering spectroscopy. <i>Optics Letters</i> , <b>2001</b> , 26, 322-4	3	40
98	Wide-field Fourier ptychographic microscopy using laser illumination source. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 4787-4802	3.5	40
97	A high-efficiency microfluidic device for size-selective trapping and sorting. <i>Lab on A Chip</i> , <b>2014</b> , 14, 2480-90	3.0	36
96	Imaging moving targets through scattering media. <i>Optics Express</i> , <b>2017</b> , 25, 3935-3945	3.3	35
95	study of optical speckle decorrelation time across depths in the mouse brain. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4855-4864	3.5	34
94	Optical focusing inside scattering media with time-reversed ultrasound microbubble encoded light. <i>Nature Communications</i> , <b>2015</b> , 6, 8968	17.4	34
93	The application of on-chip optofluidic microscopy for imaging Giardia lamblia trophozoites and cysts. <i>Biomedical Microdevices</i> , <b>2009</b> , 11, 951-8	3.7	34
92	Wide field-of-view fluorescence image deconvolution with aberration-estimation from Fourier ptychography. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 352-68	3.5	34
91	0.5 gigapixel microscopy using a flatbed scanner. <i>Biomedical Optics Express</i> , <b>2013</b> , 5, 1-8	3.5	33
90	Implementation of a color-capable optofluidic microscope on a RGB CMOS color sensor chip substrate. <i>Lab on A Chip</i> , <b>2010</b> , 10, 411-4	7.2	32
89	On-chip continuous monitoring of motile microorganisms on an ePetri platform. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2385-90	7.2	30
88	Surface-wave-enabled darkfield aperture for background suppression during weak signal detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 9043-8	11.5	29
87	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. <i>Optica</i> , <b>2017</b> , 4, 1337-1343	8.6	28
86	Overlapped Fourier coding for optical aberration removal. <i>Optics Express</i> , <b>2014</b> , 22, 24062-80	3.3	28
85	Imaging and identification of waterborne parasites using a chip-scale microscope. <i>PLoS ONE</i> , <b>2014</b> , 9, e89712	3.7	28

84	Focusing light through scattering media by transmission matrix inversion. <i>Optics Express</i> , <b>2017</b> , 25, 27234-27246	3.7	26
83	Iterative time-reversed ultrasonically encoded light focusing in backscattering mode. <i>Scientific Reports</i> , <b>2014</b> , 4, 7156	4.9	26
82	Wide field-of-view microscope based on holographic focus grid illumination. <i>Optics Letters</i> , <b>2010</b> , 35, 2188-90	3	26
81	Phase-dispersion optical tomography. <i>Optics Letters</i> , <b>2001</b> , 26, 686-8	3	26
80	Quantitative phase imaging and complex field reconstruction by pupil modulation differential phase contrast. <i>Optics Express</i> , <b>2016</b> , 24, 25345-25361	3.3	26
79	Wavefront image sensor chip. <i>Optics Express</i> , <b>2010</b> , 18, 16685-701	3.3	25
78	Wide field-of-view on-chip Talbot fluorescence microscopy for longitudinal cell culture monitoring from within the incubator. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2356-60	7.8	23
77	Wide and scalable field-of-view Talbot-grid-based fluorescence microscopy. <i>Optics Letters</i> , <b>2012</b> , 37, 5018-20	3	22
76	Characterization of light collection through a subwavelength aperture from a point source. <i>Optics Express</i> , <b>2006</b> , 14, 10410-25	3.3	22
75	Wide-angular-range and high-resolution beam steering by a metasurface-coupled phased array. <i>Optics Letters</i> , <b>2018</b> , 43, 5255-5258	3	22
74	Aperture scanning Fourier ptychographic microscopy. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 3140-50	3.5	22
73	Incubator embedded cell culture imaging system (EmSight) based on Fourier ptychographic microscopy. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 3097-110	3.5	22
72	The application of Fresnel zone plate based projection in optofluidic microscopy. <i>Optics Express</i> , <b>2008</b> , 16, 15595-602	3.3	21
71	Fluorescence imaging through dynamic scattering media with speckle-encoded ultrasound-modulated light correlation. <i>Nature Photonics</i> , <b>2020</b> , 14, 511-516	33.9	20
70	Feasibility of field-based light scattering spectroscopy. <i>Journal of Biomedical Optics</i> , <b>2000</b> , 5, 138-43	3.5	20
69	Motion-corrected Fourier ptychography. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 4543-4553	3.5	20
68	Microfluidic-integrated laser-controlled microactuators with on-chip microscopy imaging functionality. <i>Lab on A Chip</i> , <b>2014</b> , 14, 3781-9	7.2	19
67	Wide field-of-view Talbot grid-based microscopy for multicolor fluorescence imaging. <i>Optics Express</i> , <b>2013</b> , 21, 14555-65	3.3	19

66	Molecular contrast optical coherence tomography: A pump-probe scheme using indocyanine green as a contrast agent. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 054017	3.5	19
65	Molecular contrast optical coherence tomography: a review. <i>Photochemistry and Photobiology</i> , <b>2005</b> , 81, 215-37	3.6	19
64	Focal plane tuning in wide-field-of-view microscope with Talbot pattern illumination. <i>Optics Letters</i> , <b>2011</b> , 36, 2179-81	3	18
63	Theoretical comparison of the sensitivity of molecular contrast optical coherence tomography techniques. <i>Optics Express</i> , <b>2005</b> , 13, 8146-63	3.3	18
62	Analyzing the relationship between decorrelation time and tissue thickness in acute rat brain slices using multispeckle diffusing wave spectroscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2016</b> , 33, 270-5	1.8	17
61	Parallel Fourier ptychographic microscopy for high-throughput screening with 96 cameras (96 Eyes). <i>Scientific Reports</i> , <b>2019</b> , 9, 11114	4.9	17
60	Observation of polarization-gate based reconstruction quality improvement during the process of turbidity suppression by optical phase conjugation. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 123702	3.4	17
59	Manual-scanning optical coherence tomography probe based on position tracking. <i>Optics Letters</i> , <b>2009</b> , 34, 3400-2	3	17
58	Computational aberration compensation by coded-aperture-based correction of aberration obtained from optical Fourier coding and blur estimation. <i>Optica</i> , <b>2019</b> , 6, 647-661	8.6	17
57	Optical phase conjugation assisted scattering lens: variable focusing and 3D patterning. <i>Scientific Reports</i> , <b>2016</b> , 6, 23494	4.9	16
56	Model for estimating the penetration depth limit of the time-reversed ultrasonically encoded optical focusing technique. <i>Optics Express</i> , <b>2014</b> , 22, 5787-807	3.3	15
55	Chip-scale fluorescence microscope based on a silo-filter complementary metal-oxide semiconductor image sensor. <i>Optics Letters</i> , <b>2013</b> , 38, 1817-9	3	15
54	Images of spinal nerves and adjacent structures with optical coherence tomography: preliminary animal studies. <i>Journal of Pain</i> , <b>2007</b> , 8, 767-73	5.2	15
53	2pi ambiguity-free optical distance measurement with subnanometer precision with a novel phase-crossing low-coherence interferometer. <i>Optics Letters</i> , <b>2002</b> , 27, 77-9	3	15
52	Optical phase conjugation (OPC)-assisted isotropic focusing. <i>Optics Express</i> , <b>2013</b> , 21, 8781-92	3.3	14
51	Fundamental sensitivity limit imposed by dark 1/f noise in the low optical signal detection regime. <i>Optics Express</i> , <b>2008</b> , 16, 6822-32	3.3	14
50	2-D PSTD Simulation of optical phase conjugation for turbidity suppression. <i>Optics Express</i> , <b>2007</b> , 15, 16005-16	3.3	14
49	Quantitative differential interference contrast microscopy based on structured-aperture interference. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 091113	3.4	13

48	Measurement of the anomalous phase velocity of ballistic light in a random medium by use of a novel interferometer. <i>Optics Letters</i> , <b>2001</b> , 26, 235-7	3	13
47	Computational aberration correction of VIS-NIR multispectral imaging microscopy based on Fourier ptychography. <i>Optics Express</i> , <b>2019</b> , 27, 24923-24937	3.3	11
46	Quantum trajectory analysis of a thresholdlike transition in the microlaser. <i>Physical Review A</i> , <b>1997</b> , 55, 4492-4500	2.6	10
45	Homodyne en face optical coherence tomography. <i>Optics Letters</i> , <b>2006</b> , 31, 1815-7	3	10
44	Improving weak-signal identification via predetection background suppression by a pixel-level, surface-wave enabled dark-field aperture. <i>Optics Letters</i> , <b>2010</b> , 35, 2636-8	3	9
43	Interference of a four-hole aperture for on-chip quantitative two-dimensional differential phase imaging. <i>Optics Letters</i> , <b>2007</b> , 32, 2963-5	3	9
42	Harmonically-related diffraction gratings-based interferometer for quadrature phase measurements. <i>Optics Express</i> , <b>2006</b> , 14, 8127-37	3.3	9
41	Non-iterative complex wave-field reconstruction based on Kramers-Kronig relations. <i>Photonics Research</i> , <b>2021</b> , 9, 1003	6	9
40	Markov speckle for efficient random bit generation. <i>Optics Express</i> , <b>2012</b> , 20, 26394-410	3.3	8
39	Full field phase imaging using a harmonically matched diffraction grating pair based homodyne quadrature interferometer. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 151123	3.4	8
38	A generalized noise variance analysis model and its application to the characterization of 1/f noise. <i>Optics Express</i> , <b>2007</b> , 15, 3833-48	3.3	8
37	Axial standing-wave illumination frequency-domain imaging (SWIF). <i>Optics Express</i> , <b>2014</b> , 22, 11001-10	3.3	7
36	Interferometric speckle visibility spectroscopy (ISVS) for human cerebral blood flow monitoring. <i>APL Photonics</i> , <b>2020</b> , 5, 126102	5.2	7
35	Viral plaque analysis on a wide field-of-view, time-lapse, on-chip imaging platform. <i>Analyst, The</i> , <b>2014</b> , 139, 3727-34	5	6
34	Diffusion model for ultrasound-modulated light. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 35005	3.5	6
33	An optical tweezer actuated, nanoaperture-grid based Optofluidic Microscope implementation method. <i>Optics Express</i> , <b>2007</b> , 15, 16367-75	3.3	6
32	Slanted hole array beam profiler (SHARP)-a high-resolution portable beam profiler based on a linear aperture array. <i>Optics Letters</i> , <b>2006</b> , 31, 3161-3	3	5
31	Amplification of optical delay by use of matched linearly chirped fiber Bragg gratings. <i>Optics Letters</i> , <b>2004</b> , 29, 685-7	3	5



30	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-4	3.5	5
29	Investigating ultrasound-light interaction in scattering media. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-12	3.5	5
28	Diffusing wave spectroscopy: A unified treatment on temporal sampling and speckle ensemble methods. <i>APL Photonics</i> , <b>2021</b> , 6, 016105	5.2	5
27	Physically secure and fully reconfigurable data storage using optical scattering <b>2015</b> ,		4
26	Molecular Contrast Optical Coherence Tomography: A Review. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 81, 215-237	3.6	4
25	Harmonically matched grating-based full-field quantitative high-resolution phase microscope for observing dynamics of transparent biological samples. <i>Optics Express</i> , <b>2007</b> , 15, 18141-55	3.3	4
24	Imaging through highly scattering human skulls with ultrasound-modulated optical tomography. <i>Optics Letters</i> , <b>2020</b> , 45, 2973-2976	3	4
23	Glare suppression by coherence gated negation. <i>Optica</i> , <b>2016</b> , 3, 1107-1113	8.6	4
22	A wide field-of-view scanning endoscope for whole anal canal imaging. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 607-14	3.5	3
21	Subpixel resolving optofluidic microscope based on super resolution algorithm <b>2011</b> ,		3
20	Pixel level optical-transfer-function design based on the surface-wave-interferometry aperture. <i>Optics Express</i> , <b>2010</b> , 18, 16499-506	3.3	3
19	Electromagnetic equivalent model for phase conjugate mirror based on the utilization of left-handed material. <i>Optics Express</i> , <b>2007</b> , 15, 13877-85	3.3	3
18	Single-shot surface 3D imaging by optical coherence factor. <i>Optics Letters</i> , <b>2020</b> , 45, 1734-1737	3	3
17	Optical information transmission through complex scattering media with optical-channel-based intensity streaming. <i>Nature Communications</i> , <b>2021</b> , 12, 2411	17.4	3
16	Modeling Extensions of Fourier Ptychographic Microscopy. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 370-373		2
15	Characterization of acceptance angles of small circular apertures. <i>Optics Express</i> , <b>2009</b> , 17, 23903-13	3.3	2
14	Pump-probe scheme for optical coherence tomography using indocyanine green mixed with albumin or human plasma <b>2005</b> ,		2
13	Phase-Referenced Interferometer with Subwavelength and Subhertz Sensitivity. <i>Optics and Photonics News</i> , <b>2001</b> , 12, 36	1.9	2

12	Method to Determine Syringe Silicone Oil Layer Heterogeneity and Investigation of its Impact on Product Particle Counts. <i>Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 109, 3292-3299	3.9	2
11	Fourier Ptychographic Microscopy for Rapid, High-Resolution Imaging of Circulating Tumor Cells Enriched by Microfiltration. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1634, 107-117	1.4	1
10	Focus grid generation by in-line holography. <i>Optics Express</i> , <b>2010</b> , 18, 14366-74	3.3	1
9	Color-capable sub-pixel resolving optofluidic microscope for on-chip cell imaging <b>2011</b> ,		1
8	Quantitative surface normal measurement by a wavefront camera. <i>Optics Letters</i> , <b>2012</b> , 37, 199-201	3	1
7	SNR enhancement through phase dependent signal reconstruction algorithms for phase separated interferometric signals. <i>Optics Express</i> , <b>2007</b> , 15, 10103-22	3.3	1
6	Molecular contrast optical coherence tomography: SNR comparison of techniques and introduction of ground state recovery pump-probe OCT <b>2005</b> ,		1
5	Stain-free detection of embryo polarization using deep learning.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2404	4.9	1
4	Neurophotonic tools for microscopic measurements and manipulation: status report.. <i>Neurophotronics</i> , <b>2022</b> , 9, 013001	3.9	0
3	Advances in optics for biotechnology, medicine and surgery. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 560-1	3.5	
2	Feasibility and safety study of a high resolution wide field-of-view scanning endoscope for circumferential intraluminal intestinal imaging. <i>Scientific Reports</i> , <b>2021</b> , 11, 3544	4.9	
1	Speckle-resolved optical coherence tomography for mesoscopic imaging within scattering media.. <i>Biomedical Optics Express</i> , <b>2022</b> , 13, 2068-2081	3.5	