Gabriel Popescu

List of Publications by Year
in descending order

188	14,304	23544	22147
papers	citations	58 h-index	113 g-index

207	207	207	6717
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Live-dead assay on unlabeled cells using phase imaging with computational specificity. Nature Communications, 2022, 13, 713.	5.8	38
2	Automatic Colorectal Cancer Screening Using Deep Learning in Spatial Light Interference Microscopy Data. Cells, 2022, 11, 716.	1.8	3
3	Cell Cycle Stage Classification Using Phase Imaging with Computational Specificity. ACS Photonics, 2022, 9, 1264-1273.	3.2	23
4	Circadian Volume Changes in Hippocampal Glia Studied by Label-Free Interferometric Imaging. Cells, 2022, 11, 2073.	1.8	2
5	High-resolution impedance mapping using electrically activated quantitative phase imaging. Light: Science and Applications, 2021, 10, 20.	7.7	10
6	Label-free cell viability assay using phase imaging with computational specificity (PICS). , 2021, , .		3
7	Multiscale Assay of Unlabeled Neurite Dynamics Using Phase Imaging with Computational Specificity. ACS Sensors, 2021, 6, 1864-1874.	4.0	19
8	Computational interference microscopy enabled by deep learning. APL Photonics, 2021, 6, 046103.	3.0	11
9	10.1063/5.0041901.1. , 2021, , .		0
10	Spatial light interference microscopy: principle and applications to biomedicine. Advances in Optics and Photonics, 2021, 13, 353.	12.1	43
11	Label-free screening of brain tissue myelin content using phase imaging with computational specificity (PICS). APL Photonics, 2021, 6, 076103.	3.0	7
12	Monitoring reactivation of latent HIV by label-free gradient light interference microscopy. IScience, 2021, 24, 102940.	1.9	2
13	Large-scale phase retrieval. Light: Science and Applications, 2021, 10, 175.	7.7	2
14	Label-free SARS-CoV-2 detection and classification using phase imaging with computational specificity. Light: Science and Applications, 2021, 10, 176.	7.7	37
15	Diffraction as scattering under the Born approximation. Optics Express, 2021, 29, 39107-39114.	1.7	0
16	10.1063/5.0065628.1. , 2021, , .		0
17	Synthetic aperture interference light (SAIL) microscopy for high-throughput label-free imaging. Applied Physics Letters, 2021, 119, 233701.	1.5	6
18	Electrothermal soft manipulator enabling safe transport and handling of thin cell/tissue sheets and bioelectronic devices. Science Advances, 2020, 6, .	4.7	16

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19	Network science characteristics of brain-derived neuronal cultures deciphered from quantitative phase imaging data. Scientific Reports, 2020, 10, 15078.	1.6	26
20	Reproductive outcomes predicted by phase imaging with computational specificity of spermatozoon ultrastructure. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18302-18309.	3.3	28
21	Wolf phase tomography (WPT) of transparent structures using partially coherent illumination. Light: Science and Applications, 2020, 9, 142.	7.7	30
22	Phase imaging with computational specificity (PICS) for measuring dry mass changes in sub-cellular compartments. Nature Communications, 2020, 11, 6256.	5.8	109
23	Label-free colorectal cancer screening using deep learning and spatial light interference microscopy (SLIM). APL Photonics, 2020, 5, 040805.	3.0	38
24	Harmonic optical tomography of nonlinear structures. Nature Photonics, 2020, 14, 564-569.	15.6	39
25	Editorial: Quantitative Phase Imaging and Its Applications to Biophysics, Biology, and Medicine. Frontiers in Physics, 2020, 7, .	1.0	5
26	Morphometric analysis of sperm used for IVP by three different separation methods with spatial light interference microscopy. Systems Biology in Reproductive Medicine, 2020, 66, 26-36.	1.0	9
27	Computational optical imaging goes viral. APL Photonics, 2020, 5, 030401.	3.0	0
28	High-throughput sperm assay using label-free microscopy: morphometric comparison between different sperm structures of boar and stallion spermatozoa. Animal Reproduction Science, 2020, 219, 106509.	0.5	3
29	Matrix Softness-Mediated 3D Zebrafish Hepatocyte Modulates Response to Endocrine Disrupting Chemicals. Environmental Science & Technology, 2020, 54, 13797-13806.	4.6	5
30	Quantitative phase imaging of stromal prognostic markers in pancreatic ductal adenocarcinoma. Biomedical Optics Express, 2020, 11, 1354.	1.5	22
31	Real-time Jones phase microscopy for studying transparent and birefringent specimens. Optics Express, 2020, 28, 34190.	1.7	16
32	Harmonically decoupled gradient light interference microscopy (HD-GLIM). Optics Letters, 2020, 45, 1487.	1.7	11
33	Quantifying myelin content in brain tissue using color Spatial Light Interference Microscopy (cSLIM). PLoS ONE, 2020, 15, e0241084.	1.1	8
34	Phase imaging with computational specificity (PICS). , 2020, , .		0
35	Simultaneous cell traction and growth measurements using light. Journal of Biophotonics, 2019, 12, e201800182.	1.1	14
36	Effects of substrate patterning on cellular spheroid growth and dynamics measured by gradient light interference microscopy (GLIM). Journal of Biophotonics, 2019, 12, e201900178.	1.1	9

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37	Epi-illumination gradient light interference microscopy for imaging opaque structures. Nature Communications, 2019, 10, 4691.	5.8	58
38	Quantitative Histopathology of Stained Tissues using Color Spatial Light Interference Microscopy (cSLIM). Scientific Reports, 2019, 9, 14679.	1.6	30
39	Gaborâ€™s holography at sea. Light: Science and Applications, 2019, 8, 19.	7.7	1
40	Quantitative phase imaging reveals matrix stiffness-dependent growth and migration of cancer cells. Scientific Reports, 2019, 9, 248.	1.6	44
41	Imaging Collagen Properties in the Uterosacral Ligaments of Women With Pelvic Organ Prolapse Using Spatial Light Interference Microscopy (SLIM). Frontiers in Physics, 2019, 7, .	1.0	15
42	Graphene oxide substrates with N-cadherin stimulates neuronal growth and intracellular transport. Acta Biomaterialia, 2019, 90, 412-423.	4.1	16
43	Engineering geometrical 3-dimensional untethered in vitro neural tissue mimic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25932-25940.	3.3	26
44	Bond-selective transient phase imaging via sensing of the infrared photothermal effect. Light: Science and Applications, 2019, 8, 116.	7.7	62
45	Quantitative Phase Imaging (QPI) in Neuroscience. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	1.9	28
46	SLIM microscopy allows for visualization of DNA-containing liposomes designed for sperm-mediated gene transfer in cattle. Molecular Biology Reports, 2019, 46, 695-703.	1.0	11
47	Optical excitation and detection of neuronal activity. Journal of Biophotonics, 2019, 12, e201800269.	1.1	19
48	Quantitative Phase Imaging: Principles and Applications. Biological and Medical Physics Series, 2019, , 1-24.	0.3	9
49	Tissue spatial correlation as cancer marker. Journal of Biomedical Optics, 2019, 24, 1.	1.4	14
50	Cell-to-cell influence on growth in large populations. Biomedical Optics Express, 2019, 10, 4664.	1.5	10
51	Methods in quantitative phase imaging in life science. Methods, 2018, 136, 1-3.	1.9	8
52	Label-Free Imaging of Thick Specimens Using Gradient Light Interference Microscopy (GLIM). , 2018, , .		0
53	Quantitative phase imaging in biomedicine. Nature Photonics, 2018, 12, 578-589.	15.6	1,028
54	Optical properties of acute kidney injury measured by quantitative phase imaging. Biomedical Optics Express, 2018, 9, 921.	1.5	28

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55	Magnified Image Spatial Spectrum (MISS) microscopy for nanometer and millisecond scale label-free imaging. Optics Express, 2018, 26, 5423.	1.7	22
56	Endoscopic diffraction phase microscopy. Optics Letters, 2018, 43, 3373.	1.7	23
57	Real-time halo correction in phase contrast imaging. Biomedical Optics Express, 2018, 9, 623.	1.5	44
58	Label-free quantitative evaluation of breast tissue using Spatial Light Interference Microscopy (SLIM). Scientific Reports, 2018, 8, 6875.	1.6	39
59	Effect of tissue staining in quantitative phase imaging. Journal of Biophotonics, 2018, 11, e201700402.	1.1	5
60	Disorder strength measured by quantitative phase imaging as intrinsic cancer marker in fixed tissue biopsies. PLoS ONE, 2018, 13, e0194320.	1.1	38
61	Topography and refractometry of sperm cells using spatial light interference microscopy. Journal of Biomedical Optics, 2018, 23, 1.	1.4	11
62	Geometric localization of thermal fluctuations in red blood cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2865-2870.	3.3	26
63	Cell density modulates intracellular mass transport in neural networks. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 503-509.	1.1	19
64	Quantitative phase imaging for labelâ€free cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 407-411.	1.1	14
65	Halo-free Phase Contrast Microscopy. Scientific Reports, 2017, 7, 44034.	1.6	34
66	Quantifying collagen fiber orientation in breast cancer using quantitative phase imaging. Journal of Biomedical Optics, 2017, 22, 046004.	1.4	46
67	Automatic Gleason grading of prostate cancer using quantitative phase imaging and machine learning. Journal of Biomedical Optics, 2017, 22, 036015.	1.4	87
68	Threeâ€dimensional intracellular transport in neuron bodies and neurites investigated by labelâ€free dispersionâ€relation phase spectroscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 519-526.	1.1	22
69	Label-Free Imaging of Single Microtubule Dynamics Using Spatial Light Interference Microscopy. ACS Nano, 2017, 11, 647-655.	7.3	42
70	Three-dimensional mesostructures as high-temperature growth templates, electronic cellular scaffolds, and self-propelled microrobots. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9455-E9464.	3.3	129
71	Gradient light interference microscopy for 3D imaging of unlabeled specimens. Nature Communications, 2017, 8, 210.	5.8	188
72	3D-Printed pHEMA Materials for Topographical and Biochemical Modulation of Dorsal Root Ganglion Cell Response. ACS Applied Materials & Interfaces, 2017, 9, 30318-30328.	4.0	32

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73	Coupled circumferential and axial tension driven by actin and myosin influences in vivo axon diameter. Scientific Reports, 2017, 7, 14188.	1.6	48
74	Quantitative assessment of neural outgrowth using spatial light interference microscopy. Journal of Biomedical Optics, 2017, 22, 066015.	1.4	14
75	Label-free tissue scanner for colorectal cancer screening. Journal of Biomedical Optics, 2017, 22, 066016.	1.4	49
76	Quantitative phase imaging for medical diagnosis. Journal of Biophotonics, 2017, 10, 177-205.	1.1	127
77	Physical significance of backscattering phase measurements. Optics Letters, 2017, 42, 4643.	1.7	12
78	Measurement of multispectral scattering properties in mouse brain tissue. Biomedical Optics Express, 2017, 8, 1763.	1.5	7
79	Refractive index variance of cells and tissues measured by quantitative phase imaging. Optics Express, 2017, 25, 1573.	1.7	45
80	Dispersion relations of cytoskeleton dynamics. Cell Health and Cytoskeleton, 2016, , 1.	0.7	1
81	Highâ€Resolution Projection Microstereolithography for Patterning of Neovasculature. Advanced Healthcare Materials, 2016, 5, 610-619.	3.9	117
82	Label-free, multi-scale imaging of ex-vivo mouse brain using spatial light interference microscopy. Scientific Reports, 2016, 6, 39667.	1.6	15
83	Bioprinting: Highâ€Resolution Projection Microstereolithography for Patterning of Neovasculature (Adv. Healthcare Mater. 5/2016). Advanced Healthcare Materials, 2016, 5, 622-622.	3.9	6
84	Cellular Microcultures: Programming Mechanical and Physicochemical Properties of 3D Hydrogel Cellular Microcultures via Direct Ink Writing (Adv. Healthcare Mater. 9/2016). Advanced Healthcare Materials, 2016, 5, 990-990.	3.9	4
85	Solving inverse scattering problems in biological samples by quantitative phase imaging. Laser and Photonics Reviews, 2016, 10, 13-39.	4.4	62
86	Quantitative phase imaging of weakly scattering objects using partially coherent illumination. Optics Express, 2016, 24, 11683.	1.7	16
87	Phase correlation imaging of unlabeled cell dynamics. Scientific Reports, 2016, 6, 32702.	1.6	36
88	Guest Editorial Introduction to the Issue on Nanobiophotonics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 3-5.	1.9	0
89	Prediction of prostate cancer recurrence using quantitative phase imaging: Validation on a general population. Scientific Reports, 2016, 6, 33818.	1.6	33
90	Programming Mechanical and Physicochemical Properties of 3D Hydrogel Cellular Microcultures via Direct Ink Writing. Advanced Healthcare Materials, 2016, 5, 1025-1039.	3.9	32

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91	Standardizing the resolution claims for coherent microscopy. Nature Photonics, 2016, 10, 68-71.	15.6	94
92	White-light diffraction phase microscopy at doubled space-bandwidth product. Optics Express, 2016, 24, 29033.	1.7	34
93	Prediction of Prostate Cancer Recurrence Using Quantitative Phase Imaging. Scientific Reports, 2015, 5, 9976.	1.6	79
94	Measuring the Nonuniform Evaporation Dynamics of Sprayed Sessile Microdroplets with Quantitative Phase Imaging. Langmuir, 2015, 31, 11020-11032.	1.6	20
95	Quantitative phase imaging of arthropods. Journal of Biomedical Optics, 2015, 20, 111212.	1.4	1
96	Active intracellular transport in metastatic cells studied by spatial light interference microscopy. Journal of Biomedical Optics, 2015, 20, 111209.	1.4	15
97	Breast cancer diagnosis using spatial light interference microscopy. Journal of Biomedical Optics, 2015, 20, 111210.	1.4	48
98	Highly Sensitive Quantitative Imaging for Monitoring Single Cancer Cell Growth Kinetics and Drug Response. PLoS ONE, 2014, 9, e89000.	1.1	52
99	Spatiotemporal Characterization of a Fibrin Clot Using Quantitative Phase Imaging. PLoS ONE, 2014, 9, e111381.	1.1	12
100	Breakthroughs in Photonics 2013: Quantitative Phase Imaging: Metrology Meets Biology. IEEE Photonics Journal, 2014, 6, 1-9.	1.0	21
101	Diffraction phase microscopy: monitoring nanoscale dynamics in materials science [Invited]. Applied Optics, 2014, 53, G33.	0.9	46
102	In situ measurements of the axial expansion of palladium microdisks during hydrogen exposure using diffraction phase microscopy. Optical Materials Express, 2014, 4, 2559.	1.6	9
103	Effects of spatial coherence in diffraction phase microscopy. Optics Express, 2014, 22, 5133.	1.7	65
104	High Resolution Phase-Sensitive Magnetomotive Optical Coherence Microscopy for Tracking Magnetic Microbeads and Cellular Mechanics. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 25-31.	1.9	19
105	Nanoscale topography and spatial light modulator characterization using wide-field quantitative phase imaging. Optics Express, 2014, 22, 3432.	1.7	40
106	Label-Free Characterization of Emerging Human Neuronal Networks. Scientific Reports, 2014, 4, 4434.	1.6	58
107	Characterizing microdroplet evaporation using diffraction phase microscopy. , 2014, , .		0
108	New technologies for measuring single cell mass. Lab on A Chip, 2014, 14, 646-652.	3.1	62

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109	White-light diffraction tomography of unlabelled live cells. Nature Photonics, 2014, 8, 256-263.	15.6	385
110	Diffraction phase microscopy: principles and applications in materials and life sciences. Advances in Optics and Photonics, 2014, 6, 57.	12.1	317
111	Inverse scattering solutions using low-coherence light. Optics Letters, 2014, 39, 4494.	1.7	14
112	Optical Assay of Erythrocyte Function in Banked Blood. Scientific Reports, 2014, 4, 6211.	1.6	39
113	Observing hydrogen induced deformations in palladium thin-films. , 2013, , .		1
114	Fourier Transform Light Scattering of Tissues. , 2013, , 259-290.		2
115	Detecting 20 nm Wide Defects in Large Area Nanopatterns Using Optical Interferometric Microscopy. Nano Letters, 2013, 13, 3716-3721.	4.5	85
116	Fast phase reconstruction in white light diffraction phase microscopy. Applied Optics, 2013, 52, A97.	0.9	73
117	Fourier phase microscopy with white light. Biomedical Optics Express, 2013, 4, 1434.	1.5	73
118	Spatial Light Interference Microscopy (SLIM) using twisted-nematic liquid-crystal modulation. Biomedical Optics Express, 2013, 4, 1571.	1.5	23
119	Deterministic signal associated with a random field. Optics Express, 2013, 21, 20806.	1.7	10
120	Real Time Blood Testing Using Quantitative Phase Imaging. PLoS ONE, 2013, 8, e55676.	1.1	81
121	Cardiomyocyte Imaging Using Real-Time Spatial Light Interference Microscopy (SLIM). PLoS ONE, 2013, 8, e56930.	1.1	23
122	Gradient field microscopy of unstained specimens. Optics Express, 2012, 20, 6737.	1.7	26
123	Spectroscopic diffraction phase microscopy. Optics Letters, 2012, 37, 3438.	1.7	64
124	Dispersion-Relation Fluorescence Spectroscopy. Physical Review Letters, 2012, 109, 188104.	2.9	9
125	Diffraction phase microscopy with white light. Optics Letters, 2012, 37, 1094.	1.7	282
126	Optically monitoring and controlling nanoscale topography during semiconductor etching. Light: Science and Applications, 2012, 1, e30-e30.	7.7	108

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127	Diffraction phase microscopy for wafer inspection. , 2012, , .		1
128	Quantitative Phase Imaging. Progress in Optics, 2012, 57, 133-217.	0.4	145
129	Visualizing Escherichia coli Sub-Cellular Structure Using Sparse Deconvolution Spatial Light Interference Tomography. PLoS ONE, 2012, 7, e39816.	1.1	32
130	Optical measurement of cycle-dependent cell growth. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13124-13129.	3.3	387
131	Effective Temperature of Red-Blood-Cell Membrane Fluctuations. Physical Review Letters, 2011, 106, 238103.	2.9	125
132	Measurement of the nonlinear elasticity of red blood cell membranes. Physical Review E, 2011, 83, 051925.	0.8	74
133	Optical Sensing of Red Blood Cell Dynamics. , 2011, , 279-309.		7
134	Effective 3D viscoelasticity of red blood cells measured by diffraction phase microscopy. Biomedical Optics Express, 2011, 2, 485.	1.5	25
135	Cell imaging beyond the diffraction limit using sparse deconvolution spatial light interference microscopy. Biomedical Optics Express, 2011, 2, 1815.	1.5	22
136	Born approximation model for light scattering by red blood cells. Biomedical Optics Express, 2011, 2, 2784.	1.5	34
137	Simultaneous optical measurements of cell motility and growth. Biomedical Optics Express, 2011, 2, 2815.	1.5	42
138	Blood testing at the single cell level using quantitative phase and amplitude microscopy. Biomedical Optics Express, 2011, 2, 3259.	1.5	78
139	Spatial light interference microscopy (SLIM). Optics Express, 2011, 19, 1016.	1.7	608
140	Spatial light interference tomography (SLIT). Optics Express, 2011, 19, 19907.	1.7	71
141	Dispersion-relation phase spectroscopy of intracellular transport. Optics Express, 2011, 19, 20571.	1.7	80
142	Scattering-phase theorem. Optics Letters, 2011, 36, 1215.	1.7	64
143	Measuring the scattering parameters of tissues from quantitative phase imaging of thin slices. Optics Letters, 2011, 36, 2281.	1.7	46
144	Correlation-induced spectral changes in tissues. Optics Letters, 2011, 36, 4209.	1.7	22

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145	Laplace field microscopy for label-free imaging of dynamic biological structures. Optics Letters, 2011, 36, 4704.	1.7	19
146	One-dimensional deterministic transport in neurons measured by dispersion-relation phase spectroscopy. Journal of Physics Condensed Matter, 2011, 23, 374107.	0.7	21
147	Spatial light interference microscopy (SLIM). , 2011, , .		2
148	Light scattering of human red blood cells during metabolic remodeling of the membrane. Journal of Biomedical Optics, 2011, 16, 011013.	1.4	44
149	Label-free intracellular transport measured by spatial light interference microscopy. Journal of Biomedical Optics, 2011, 16, 1.	1.4	40
150	Tissue refractive index as marker of disease. Journal of Biomedical Optics, 2011, 16, 1.	1.4	217
151	Fourier Transform Light Scattering (FTLS) of Cells and Tissues. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2501-2511.	0.4	22
152	Fourier Transform Light Scattering of Biological Structure and Dynamics. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 909-918.	1.9	25
153	Blood screening using diffraction phase cytometry. Journal of Biomedical Optics, 2010, 15, 027016.	1.4	39
154	Quantitative phase imaging with broadband fields. Applied Physics Letters, 2010, 96, 051117.	1.5	35
155	Measurement of red blood cell mechanics during morphological changes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6731-6736.	3.3	381
156	Measurement of adherent cell mass and growth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20691-20696.	3.3	186
157	Static and dynamic light scattering of healthy and malaria-parasite invaded red blood cells. Journal of Biomedical Optics, 2010, 15, 020506.	1.4	85
158	Actin-driven cell dynamics probed by Fourier transform light scattering. Biomedical Optics Express, 2010, 1, 260.	1.5	26
159	Topography and refractometry of nanostructures using spatial light interference microscopy. Optics Letters, 2010, 35, 208.	1.7	55
160	Diffraction phase contrast microscopy. Optics Express, 2010, 18, 1569.	1.7	96
161	Metabolic remodeling of the human red blood cell membrane. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1289-1294.	3.3	358
162	Live Cell Refractometry Using Hilbert Phase Microscopy and Confocal Reflectance Microscopy. Journal of Physical Chemistry A, 2009, 113, 13327-13330.	1.1	82

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163	Optical properties of tissues quantified by Fourier-transform light scattering. Optics Letters, 2009, 34, 1372.	1.7	68
164	Diffraction Phase Cytometry: blood on a CD-ROM. Optics Express, 2009, 17, 2579.	1.7	50
165	Fourier Transform Light Scattering of Inhomogeneous and Dynamic Structures. Physical Review Letters, 2008, 101, 238102.	2.9	137
166	Jones phase microscopy of transparent and anisotropic samples. Optics Letters, 2008, 33, 1270.	1.7	77
167	Confocal diffraction phase microscopy of live cells. Optics Letters, 2008, 33, 2074.	1.7	26
168	Synthetic aperture tomographic phase microscopy for 3D imaging of live cells in translational motion. Optics Express, 2008, 16, 16240.	1.7	57
169	Imaging red blood cell dynamics by quantitative phase microscopy. Blood Cells, Molecules, and Diseases, 2008, 41, 10-16.	0.6	200
170	Optical imaging of cell mass and growth dynamics. American Journal of Physiology - Cell Physiology, 2008, 295, C538-C544.	2.1	436
171	Refractive index maps and membrane dynamics of human red blood cells parasitized by Plasmodium falciparum. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13730-13735.	3.3	619
172	Chapter 5 Quantitative Phase Imaging of Nanoscale Cell Structure and Dynamics. Methods in Cell Biology, 2008, 90, 87-115.	0.5	91
173	Coherence properties of red blood cell membrane motions. Physical Review E, 2007, 76, 031902.	0.8	62
174	Fresnel particle tracing in three dimensions using diffraction phase microscopy. Optics Letters, 2007, 32, 811.	1.7	68
175	Tissue refractometry using Hilbert phase microscopy. Optics Letters, 2007, 32, 3522.	1.7	67
176	Microrheology of red blood cell membranes using dynamic scattering microscopy. Optics Express, 2007, 15, 17001.	1.7	60
177	Quantitative phase imaging of live cells using fast Fourier phase microscopy. Applied Optics, 2007, 46, 1836.	2.1	104
178	Optical Measurement of Cell Membrane Tension. Physical Review Letters, 2006, 97, 218101.	2.9	194
179	Tissue Self-Affinity and Polarized Light Scattering in the Born Approximation: A New Model for Precancer Detection. Physical Review Letters, 2006, 97, 138102.	2.9	109
180	Diffraction phase microscopy for quantifying cell structure and dynamics. Optics Letters, 2006, 31, 775.	1.7	762

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181	Live cell refractometry using microfluidic devices. Optics Letters, 2006, 31, 2759.	1.7	154
182	Diffraction phase and fluorescence microscopy. Optics Express, 2006, 14, 8263.	1.7	246
183	Observation of dynamic subdomains in red blood cells. Journal of Biomedical Optics, 2006, 11, 040503.	1.4	71
184	Erythrocyte structure and dynamics quantified by Hilbert phase microscopy. Journal of Biomedical Optics, 2005, 10, 060503.	1.4	179
185	Hilbert phase microscopy for investigating fast dynamics in transparent systems. Optics Letters, 2005, 30, 1165.	1.7	581
186	Quantitative phase imaging using actively stabilized phase-shifting low-coherence interferometry. Optics Letters, 2004, 29, 2399.	1.7	101
187	Fourier phase microscopy for investigation of biological structures and dynamics. Optics Letters, 2004, 29, 2503.	1.7	442
188	SEEING SMALL BIOLOGICAL STRUCTURES WITH LIGHT. , 2004, , .		0