Gabriel Popescu

List of Publications by Year
in descending order

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188	14,304	23567	22166
papers	citations	58 h-index	113 g-index

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

#	Article	IF	Citations
1	Quantitative phase imaging in biomedicine. Nature Photonics, 2018, 12, 578-589.	31.4	1,028
2	Diffraction phase microscopy for quantifying cell structure and dynamics. Optics Letters, 2006, 31, 775.	3.3	762
3	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.	7.1	619
4	Spatial light interference microscopy (SLIM). Optics Express, 2011, 19, 1016.	3.4	608
5	Hilbert phase microscopy for investigating fast dynamics in transparent systems. Optics Letters, 2005, 30, 1165.	3.3	581
6	Fourier phase microscopy for investigation of biological structures and dynamics. Optics Letters, 2004, 29, 2503.	3.3	442
7	Optical imaging of cell mass and growth dynamics. American Journal of Physiology - Cell Physiology, 2008, 295, C538-C544.	4.6	436
8	Optical measurement of cycle-dependent cell growth. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13124-13129.	7.1	387
9	White-light diffraction tomography of unlabelled live cells. Nature Photonics, 2014, 8, 256-263.	31.4	385
10	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.	7.1	381
11	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.	7.1	358
12	Diffraction phase microscopy: principles and applications in materials and life sciences. Advances in Optics and Photonics, 2014, 6, 57.	25.5	317
13	Diffraction phase microscopy with white light. Optics Letters, 2012, 37, 1094.	3.3	282
14	Diffraction phase and fluorescence microscopy. Optics Express, 2006, 14, 8263.	3.4	246
15	Tissue refractive index as marker of disease. Journal of Biomedical Optics, 2011, 16, 1.	2.6	217
16	Imaging red blood cell dynamics by quantitative phase microscopy. Blood Cells, Molecules, and Diseases, 2008, 41, 10-16.	1.4	200
17	Optical Measurement of Cell Membrane Tension. Physical Review Letters, 2006, 97, 218101.	7.8	194
18	Gradient light interference microscopy for 3D imaging of unlabeled specimens. Nature Communications, 2017, 8, 210.	12.8	188

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19	Measurement of adherent cell mass and growth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20691-20696.	7.1	186
20	Erythrocyte structure and dynamics quantified by Hilbert phase microscopy. Journal of Biomedical Optics, 2005, 10, 060503.	2.6	179
21	Live cell refractometry using microfluidic devices. Optics Letters, 2006, 31, 2759.	3.3	154
22	Quantitative Phase Imaging. Progress in Optics, 2012, 57, 133-217.	0.6	145
23	Fourier Transform Light Scattering of Inhomogeneous and Dynamic Structures. Physical Review Letters, 2008, 101, 238102.	7.8	137
24	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.	7.1	129
25	Quantitative phase imaging for medical diagnosis. Journal of Biophotonics, 2017, 10, 177-205.	2.3	127
26	Effective Temperature of Red-Blood-Cell Membrane Fluctuations. Physical Review Letters, 2011, 106, 238103.	7.8	125
27	Highâ€Resolution Projection Microstereolithography for Patterning of Neovasculature. Advanced Healthcare Materials, 2016, 5, 610-619.	7.6	117
28	Tissue Self-Affinity and Polarized Light Scattering in the Born Approximation: A New Model for Precancer Detection. Physical Review Letters, 2006, 97, 138102.	7.8	109
29	Phase imaging with computational specificity (PICS) for measuring dry mass changes in sub-cellular compartments. Nature Communications, 2020, 11, 6256.	12.8	109
30	Optically monitoring and controlling nanoscale topography during semiconductor etching. Light: Science and Applications, 2012, 1, e30-e30.	16.6	108
31	Quantitative phase imaging of live cells using fast Fourier phase microscopy. Applied Optics, 2007, 46, 1836.	2.1	104
32	Quantitative phase imaging using actively stabilized phase-shifting low-coherence interferometry. Optics Letters, 2004, 29, 2399.	3.3	101
33	Diffraction phase contrast microscopy. Optics Express, 2010, 18, 1569.	3.4	96
34	Standardizing the resolution claims for coherent microscopy. Nature Photonics, 2016, 10, 68-71.	31.4	94
35	Chapter 5 Quantitative Phase Imaging of Nanoscale Cell Structure and Dynamics. Methods in Cell Biology, 2008, 90, 87-115.	1.1	91
36	Automatic Gleason grading of prostate cancer using quantitative phase imaging and machine learning. Journal of Biomedical Optics, 2017, 22, 036015.	2.6	87

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37	Static and dynamic light scattering of healthy and malaria-parasite invaded red blood cells. Journal of Biomedical Optics, 2010, 15, 020506.	2.6	85
38	Detecting 20 nm Wide Defects in Large Area Nanopatterns Using Optical Interferometric Microscopy. Nano Letters, 2013, 13, 3716-3721.	9.1	85
39	Live Cell Refractometry Using Hilbert Phase Microscopy and Confocal Reflectance Microscopy. Journal of Physical Chemistry A, 2009, 113, 13327-13330.	2.5	82
40	Real Time Blood Testing Using Quantitative Phase Imaging. PLoS ONE, 2013, 8, e55676.	2.5	81
41	Dispersion-relation phase spectroscopy of intracellular transport. Optics Express, 2011, 19, 20571.	3.4	80
42	Prediction of Prostate Cancer Recurrence Using Quantitative Phase Imaging. Scientific Reports, 2015, 5, 9976.	3.3	79
43	Blood testing at the single cell level using quantitative phase and amplitude microscopy. Biomedical Optics Express, 2011, 2, 3259.	2.9	78
44	Jones phase microscopy of transparent and anisotropic samples. Optics Letters, 2008, 33, 1270.	3.3	77
45	Measurement of the nonlinear elasticity of red blood cell membranes. Physical Review E, 2011, 83, 051925.	2.1	74
46	Fast phase reconstruction in white light diffraction phase microscopy. Applied Optics, 2013, 52, A97.	1.8	73
47	Fourier phase microscopy with white light. Biomedical Optics Express, 2013, 4, 1434.	2.9	73
48	Observation of dynamic subdomains in red blood cells. Journal of Biomedical Optics, 2006, 11, 040503.	2.6	71
49	Spatial light interference tomography (SLIT). Optics Express, 2011, 19, 19907.	3.4	71
50	Fresnel particle tracing in three dimensions using diffraction phase microscopy. Optics Letters, 2007, 32, 811.	3.3	68
51	Optical properties of tissues quantified by Fourier-transform light scattering. Optics Letters, 2009, 34, 1372.	3.3	68
52	Tissue refractometry using Hilbert phase microscopy. Optics Letters, 2007, 32, 3522.	3.3	67
53	Effects of spatial coherence in diffraction phase microscopy. Optics Express, 2014, 22, 5133.	3.4	65
54	Scattering-phase theorem. Optics Letters, 2011, 36, 1215.	3.3	64

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55	Spectroscopic diffraction phase microscopy. Optics Letters, 2012, 37, 3438.	3.3	64
56	Coherence properties of red blood cell membrane motions. Physical Review E, 2007, 76, 031902.	2.1	62
57	New technologies for measuring single cell mass. Lab on A Chip, 2014, 14, 646-652.	6.0	62
58	Solving inverse scattering problems in biological samples by quantitative phase imaging. Laser and Photonics Reviews, 2016, 10, 13-39.	8.7	62
59	Bond-selective transient phase imaging via sensing of the infrared photothermal effect. Light: Science and Applications, 2019, 8, 116.	16.6	62
60	Microrheology of red blood cell membranes using dynamic scattering microscopy. Optics Express, 2007, 15, 17001.	3.4	60
61	Label-Free Characterization of Emerging Human Neuronal Networks. Scientific Reports, 2014, 4, 4434.	3.3	58
62	Epi-illumination gradient light interference microscopy for imaging opaque structures. Nature Communications, 2019, 10, 4691.	12.8	58
63	Synthetic aperture tomographic phase microscopy for 3D imaging of live cells in translational motion. Optics Express, 2008, 16, 16240.	3.4	57
64	Topography and refractometry of nanostructures using spatial light interference microscopy. Optics Letters, 2010, 35, 208.	3.3	55
65	Highly Sensitive Quantitative Imaging for Monitoring Single Cancer Cell Growth Kinetics and Drug Response. PLoS ONE, 2014, 9, e89000.	2.5	52
66	Diffraction Phase Cytometry: blood on a CD-ROM. Optics Express, 2009, 17, 2579.	3.4	50
67	Label-free tissue scanner for colorectal cancer screening. Journal of Biomedical Optics, 2017, 22, 066016.	2.6	49
68	Breast cancer diagnosis using spatial light interference microscopy. Journal of Biomedical Optics, 2015, 20, 111210.	2.6	48
69	Coupled circumferential and axial tension driven by actin and myosin influences in vivo axon diameter. Scientific Reports, 2017, 7, 14188.	3.3	48
70	Measuring the scattering parameters of tissues from quantitative phase imaging of thin slices. Optics Letters, 2011, 36, 2281.	3.3	46
71	Diffraction phase microscopy: monitoring nanoscale dynamics in materials science [Invited]. Applied Optics, 2014, 53, G33.	1.8	46
72	Quantifying collagen fiber orientation in breast cancer using quantitative phase imaging. Journal of Biomedical Optics, 2017, 22, 046004.	2.6	46

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73	Refractive index variance of cells and tissues measured by quantitative phase imaging. Optics Express, 2017, 25, 1573.	3.4	45
74	Light scattering of human red blood cells during metabolic remodeling of the membrane. Journal of Biomedical Optics, 2011, 16, 011013.	2.6	44
75	Real-time halo correction in phase contrast imaging. Biomedical Optics Express, 2018, 9, 623.	2.9	44
76	Quantitative phase imaging reveals matrix stiffness-dependent growth and migration of cancer cells. Scientific Reports, 2019, 9, 248.	3.3	44
77	Spatial light interference microscopy: principle and applications to biomedicine. Advances in Optics and Photonics, 2021, 13, 353.	25.5	43
78	Simultaneous optical measurements of cell motility and growth. Biomedical Optics Express, 2011, 2, 2815.	2.9	42
79	Label-Free Imaging of Single Microtubule Dynamics Using Spatial Light Interference Microscopy. ACS Nano, 2017, 11, 647-655.	14.6	42
80	Label-free intracellular transport measured by spatial light interference microscopy. Journal of Biomedical Optics, 2011, 16, 1.	2.6	40
81	Nanoscale topography and spatial light modulator characterization using wide-field quantitative phase imaging. Optics Express, 2014, 22, 3432.	3.4	40
82	Blood screening using diffraction phase cytometry. Journal of Biomedical Optics, 2010, 15, 027016.	2.6	39
83	Optical Assay of Erythrocyte Function in Banked Blood. Scientific Reports, 2014, 4, 6211.	3.3	39
84	Label-free quantitative evaluation of breast tissue using Spatial Light Interference Microscopy (SLIM). Scientific Reports, 2018, 8, 6875.	3.3	39
85	Harmonic optical tomography of nonlinear structures. Nature Photonics, 2020, 14, 564-569.	31.4	39
86	Disorder strength measured by quantitative phase imaging as intrinsic cancer marker in fixed tissue biopsies. PLoS ONE, 2018, 13, e0194320.	2.5	38
87	Label-free colorectal cancer screening using deep learning and spatial light interference microscopy (SLIM). APL Photonics, 2020, 5, 040805.	5.7	38
88	Live-dead assay on unlabeled cells using phase imaging with computational specificity. Nature Communications, 2022, 13, 713.	12.8	38
89	Label-free SARS-CoV-2 detection and classification using phase imaging with computational specificity. Light: Science and Applications, 2021, 10, 176.	16.6	37
90	Phase correlation imaging of unlabeled cell dynamics. Scientific Reports, 2016, 6, 32702.	3.3	36

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91	Quantitative phase imaging with broadband fields. Applied Physics Letters, 2010, 96, 051117.	3.3	35
92	Born approximation model for light scattering by red blood cells. Biomedical Optics Express, 2011, 2, 2784.	2.9	34
93	Halo-free Phase Contrast Microscopy. Scientific Reports, 2017, 7, 44034.	3.3	34
94	White-light diffraction phase microscopy at doubled space-bandwidth product. Optics Express, 2016, 24, 29033.	3.4	34
95	Prediction of prostate cancer recurrence using quantitative phase imaging: Validation on a general population. Scientific Reports, 2016, 6, 33818.	3.3	33
96	Visualizing Escherichia coli Sub-Cellular Structure Using Sparse Deconvolution Spatial Light Interference Tomography. PLoS ONE, 2012, 7, e39816.	2.5	32
97	Programming Mechanical and Physicochemical Properties of 3D Hydrogel Cellular Microcultures via Direct Ink Writing. Advanced Healthcare Materials, 2016, 5, 1025-1039.	7.6	32
98	3D-Printed pHEMA Materials for Topographical and Biochemical Modulation of Dorsal Root Ganglion Cell Response. ACS Applied Materials & Interfaces, 2017, 9, 30318-30328.	8.0	32
99	Quantitative Histopathology of Stained Tissues using Color Spatial Light Interference Microscopy (cSLIM). Scientific Reports, 2019, 9, 14679.	3.3	30
100	Wolf phase tomography (WPT) of transparent structures using partially coherent illumination. Light: Science and Applications, 2020, 9, 142.	16.6	30
101	Optical properties of acute kidney injury measured by quantitative phase imaging. Biomedical Optics Express, 2018, 9, 921.	2.9	28
102	Quantitative Phase Imaging (QPI) in Neuroscience. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	2.9	28
103	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.	7.1	28
104	Confocal diffraction phase microscopy of live cells. Optics Letters, 2008, 33, 2074.	3.3	26
105	Actin-driven cell dynamics probed by Fourier transform light scattering. Biomedical Optics Express, 2010, 1, 260.	2.9	26
106	Gradient field microscopy of unstained specimens. Optics Express, 2012, 20, 6737.	3.4	26
107	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.	7.1	26
108	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.	7.1	26

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109	Network science characteristics of brain-derived neuronal cultures deciphered from quantitative phase imaging data. Scientific Reports, 2020, 10, 15078.	3.3	26
110	Fourier Transform Light Scattering of Biological Structure and Dynamics. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 909-918.	2.9	25
111	Effective 3D viscoelasticity of red blood cells measured by diffraction phase microscopy. Biomedical Optics Express, 2011, 2, 485.	2.9	25
112	Spatial Light Interference Microscopy (SLIM) using twisted-nematic liquid-crystal modulation. Biomedical Optics Express, 2013, 4, 1571.	2.9	23
113	Cardiomyocyte Imaging Using Real-Time Spatial Light Interference Microscopy (SLIM). PLoS ONE, 2013, 8, e56930.	2.5	23
114	Endoscopic diffraction phase microscopy. Optics Letters, 2018, 43, 3373.	3.3	23
115	Cell Cycle Stage Classification Using Phase Imaging with Computational Specificity. ACS Photonics, 2022, 9, 1264-1273.	6.6	23
116	Fourier Transform Light Scattering (FTLS) of Cells and Tissues. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2501-2511.	0.4	22
117	Cell imaging beyond the diffraction limit using sparse deconvolution spatial light interference microscopy. Biomedical Optics Express, 2011, 2, 1815.	2.9	22
118	Correlation-induced spectral changes in tissues. Optics Letters, 2011, 36, 4209.	3.3	22
119	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.	1.5	22
120	Magnified Image Spatial Spectrum (MISS) microscopy for nanometer and millisecond scale label-free imaging. Optics Express, 2018, 26, 5423.	3.4	22
121	Quantitative phase imaging of stromal prognostic markers in pancreatic ductal adenocarcinoma. Biomedical Optics Express, 2020, 11, 1354.	2.9	22
122	One-dimensional deterministic transport in neurons measured by dispersion-relation phase spectroscopy. Journal of Physics Condensed Matter, 2011, 23, 374107.	1.8	21
123	Breakthroughs in Photonics 2013: Quantitative Phase Imaging: Metrology Meets Biology. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	21
124	Measuring the Nonuniform Evaporation Dynamics of Sprayed Sessile Microdroplets with Quantitative Phase Imaging. Langmuir, 2015, 31, 11020-11032.	3.5	20
125	Laplace field microscopy for label-free imaging of dynamic biological structures. Optics Letters, 2011, 36, 4704.	3.3	19
126	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.	2.9	19

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127	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.	1.5	19
128	Optical excitation and detection of neuronal activity. Journal of Biophotonics, 2019, 12, e201800269.	2.3	19
129	Multiscale Assay of Unlabeled Neurite Dynamics Using Phase Imaging with Computational Specificity. ACS Sensors, 2021, 6, 1864-1874.	7.8	19
130	Quantitative phase imaging of weakly scattering objects using partially coherent illumination. Optics Express, 2016, 24, 11683.	3.4	16
131	Graphene oxide substrates with N-cadherin stimulates neuronal growth and intracellular transport. Acta Biomaterialia, 2019, 90, 412-423.	8.3	16
132	Electrothermal soft manipulator enabling safe transport and handling of thin cell/tissue sheets and bioelectronic devices. Science Advances, 2020, 6, .	10.3	16
133	Real-time Jones phase microscopy for studying transparent and birefringent specimens. Optics Express, 2020, 28, 34190.	3.4	16
134	Active intracellular transport in metastatic cells studied by spatial light interference microscopy. Journal of Biomedical Optics, 2015, 20, 111209.	2.6	15
135	Label-free, multi-scale imaging of ex-vivo mouse brain using spatial light interference microscopy. Scientific Reports, 2016, 6, 39667.	3.3	15
136	Imaging Collagen Properties in the Uterosacral Ligaments of Women With Pelvic Organ Prolapse Using Spatial Light Interference Microscopy (SLIM). Frontiers in Physics, 2019, 7, .	2.1	15
137	Inverse scattering solutions using low-coherence light. Optics Letters, 2014, 39, 4494.	3.3	14
138	Quantitative phase imaging for labelâ€free cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 407-411.	1.5	14
139	Quantitative assessment of neural outgrowth using spatial light interference microscopy. Journal of Biomedical Optics, 2017, 22, 066015.	2.6	14
140	Simultaneous cell traction and growth measurements using light. Journal of Biophotonics, 2019, 12, e201800182.	2.3	14
141	Tissue spatial correlation as cancer marker. Journal of Biomedical Optics, 2019, 24, 1.	2.6	14
142	Spatiotemporal Characterization of a Fibrin Clot Using Quantitative Phase Imaging. PLoS ONE, 2014, 9, e111381.	2.5	12
143	Physical significance of backscattering phase measurements. Optics Letters, 2017, 42, 4643.	3.3	12
144	SLIM microscopy allows for visualization of DNA-containing liposomes designed for sperm-mediated gene transfer in cattle. Molecular Biology Reports, 2019, 46, 695-703.	2.3	11

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145	Computational interference microscopy enabled by deep learning. APL Photonics, 2021, 6, 046103.	5.7	11
146	Topography and refractometry of sperm cells using spatial light interference microscopy. Journal of Biomedical Optics, 2018, 23, 1.	2.6	11
147	Harmonically decoupled gradient light interference microscopy (HD-GLIM). Optics Letters, 2020, 45, 1487.	3.3	11
148	Deterministic signal associated with a random field. Optics Express, 2013, 21, 20806.	3.4	10
149	High-resolution impedance mapping using electrically activated quantitative phase imaging. Light: Science and Applications, 2021, 10, 20.	16.6	10
150	Cell-to-cell influence on growth in large populations. Biomedical Optics Express, 2019, 10, 4664.	2.9	10
151	Dispersion-Relation Fluorescence Spectroscopy. Physical Review Letters, 2012, 109, 188104.	7.8	9
152	In situ measurements of the axial expansion of palladium microdisks during hydrogen exposure using diffraction phase microscopy. Optical Materials Express, 2014, 4, 2559.	3.0	9
153	Effects of substrate patterning on cellular spheroid growth and dynamics measured by gradient light interference microscopy (GLIM). Journal of Biophotonics, 2019, 12, e201900178.	2.3	9
154	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.	2.1	9
155	Quantitative Phase Imaging: Principles and Applications. Biological and Medical Physics Series, 2019, , 1-24.	0.4	9
156	Methods in quantitative phase imaging in life science. Methods, 2018, 136, 1-3.	3.8	8
157	Quantifying myelin content in brain tissue using color Spatial Light Interference Microscopy (cSLIM). PLoS ONE, 2020, 15, e0241084.	2.5	8
158	Optical Sensing of Red Blood Cell Dynamics. , 2011, , 279-309.		7
159	Measurement of multispectral scattering properties in mouse brain tissue. Biomedical Optics Express, 2017, 8, 1763.	2.9	7
160	Label-free screening of brain tissue myelin content using phase imaging with computational specificity (PICS). APL Photonics, 2021, 6, 076103.	5.7	7
161	Bioprinting: Highâ€Resolution Projection Microstereolithography for Patterning of Neovasculature (Adv. Healthcare Mater. 5/2016). Advanced Healthcare Materials, 2016, 5, 622-622.	7.6	6
162	Synthetic aperture interference light (SAIL) microscopy for high-throughput label-free imaging. Applied Physics Letters, 2021, 119, 233701.	3.3	6

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163	Effect of tissue staining in quantitative phase imaging. Journal of Biophotonics, 2018, 11, e201700402.	2.3	5
164	Editorial: Quantitative Phase Imaging and Its Applications to Biophysics, Biology, and Medicine. Frontiers in Physics, 2020, 7, .	2.1	5
165	Matrix Softness-Mediated 3D Zebrafish Hepatocyte Modulates Response to Endocrine Disrupting Chemicals. Environmental Science & Technology, 2020, 54, 13797-13806.	10.0	5
166	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.	7.6	4
167	Label-free cell viability assay using phase imaging with computational specificity (PICS). , 2021, , .		3
168	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.	1.5	3
169	Automatic Colorectal Cancer Screening Using Deep Learning in Spatial Light Interference Microscopy Data. Cells, 2022, 11, 716.	4.1	3
170	Spatial light interference microscopy (SLIM). , 2011, , .		2
171	Fourier Transform Light Scattering of Tissues. , 2013, , 259-290.		2
172	Monitoring reactivation of latent HIV by label-free gradient light interference microscopy. IScience, 2021, 24, 102940.	4.1	2
173	Large-scale phase retrieval. Light: Science and Applications, 2021, 10, 175.	16.6	2
174	Circadian Volume Changes in Hippocampal Glia Studied by Label-Free Interferometric Imaging. Cells, 2022, 11, 2073.	4.1	2
175	Diffraction phase microscopy for wafer inspection. , 2012, , .		1
176	Observing hydrogen induced deformations in palladium thin-films. , 2013, , .		1
177	Quantitative phase imaging of arthropods. Journal of Biomedical Optics, 2015, 20, 111212.	2.6	1
178	Dispersion relations of cytoskeleton dynamics. Cell Health and Cytoskeleton, 2016, , 1.	0.7	1
179	Gaborâ€™s holography at sea. Light: Science and Applications, 2019, 8, 19.	16.6	1
180	Characterizing microdroplet evaporation using diffraction phase microscopy. , 2014, , .		0

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181	Guest Editorial Introduction to the Issue on Nanobiophotonics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 3-5.	2.9	0
182	Label-Free Imaging of Thick Specimens Using Gradient Light Interference Microscopy (GLIM). , 2018, , .		0
183	Computational optical imaging goes viral. APL Photonics, 2020, 5, 030401.	5.7	0
184	10.1063/5.0041901.1. , 2021, , .		0
185	SEEING SMALL BIOLOGICAL STRUCTURES WITH LIGHT. , 2004, , .		0
186	Diffraction as scattering under the Born approximation. Optics Express, 2021, 29, 39107-39114.	3.4	0
187	Phase imaging with computational specificity (PICS). , 2020, , .		0
188	10.1063/5.0065628.1. , 2021, , .		0