Gabriel Popescu

List of Publications by Citations

175 papers	10,003 citations	51 h-index	96 g-index
207 ext. papers	12,896 ext. citations	6.1 avg, IF	6.4 L-index

#	Paper	IF	Citations
175	Diffraction phase microscopy for quantifying cell structure and dynamics. *Optics Letters*, **2006**, 31, 775-7	3	558
174	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, 13730-5	11.5	464
173	Quantitative phase imaging in biomedicine. *Nature Photonics*, **2018**, 12, 578-589	33.9	455
172	Hilbert phase microscopy for investigating fast dynamics in transparent systems. *Optics Letters*, **2005**, 30, 1165-7	3	424
171	Spatial light interference microscopy (SLIM). *Optics Express*, **2011**, 19, 1016-26	3.3	406
170	Fourier phase microscopy for investigation of biological structures and dynamics. *Optics Letters*, **2004**, 29, 2503-5	3	331
169	Optical imaging of cell mass and growth dynamics. *American Journal of Physiology - Cell Physiology*, **2008**, 295, C538-44	5.4	323
168	Measurement of red blood cell mechanics during morphological changes. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6731-6	11.5	291
167	Metabolic remodeling of the human red blood cell membrane. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1289-94	11.5	280
166	Optical measurement of cycle-dependent cell growth. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 13124-9	11.5	276
165	White-light diffraction tomography of unlabelled live cells. *Nature Photonics*, **2014**, 8, 256-263	33.9	270
164	Diffraction phase microscopy with white light. *Optics Letters*, **2012**, 37, 1094-6	3	202
163	Diffraction phase microscopy: principles and applications in materials and life sciences. *Advances in Optics and Photonics*, **2014**, 6, 57	16.7	194
162	Diffraction phase and fluorescence microscopy. *Optics Express*, **2006**, 14, 8263-8	3.3	188
161	Tissue refractive index as marker of disease. *Journal of Biomedical Optics*, **2011**, 16, 116017	3.5	167
160	Imaging red blood cell dynamics by quantitative phase microscopy. *Blood Cells, Molecules, and Diseases*, **2008**, 41, 10-6	2.1	154
159	Measurement of adherent cell mass and growth. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 20691-6	11.5	153

158	Optical measurement of cell membrane tension. *Physical Review Letters*, **2006**, 97, 218101	7.4	148
157	Erythrocyte structure and dynamics quantified by Hilbert phase microscopy. *Journal of Biomedical Optics*, **2005**, 10, 060503	3.5	134
156	Live cell refractometry using microfluidic devices. *Optics Letters*, **2006**, 31, 2759-61	3	122
155	Fourier transform light scattering of inhomogeneous and dynamic structures. *Physical Review Letters*, **2008**, 101, 238102	7.4	116
154	Gradient light interference microscopy for 3D imaging of unlabeled specimens. *Nature Communications*, **2017**, 8, 210	17.4	112
153	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	11.5	104
152	Effective temperature of red-blood-cell membrane fluctuations. *Physical Review Letters*, **2011**, 106, 238103	7.4	101
151	Quantitative Phase Imaging. *Progress in Optics*, **2012**, 57, 133-217	3.4	99
150	Tissue self-affinity and polarized light scattering in the born approximation: a new model for precancer detection. *Physical Review Letters*, **2006**, 97, 138102	7.4	90
149	High-Resolution Projection Microstereolithography for Patterning of Neovasculature. *Advanced Healthcare Materials*, **2016**, 5, 610-9	10.1	87
148	Quantitative phase imaging of live cells using fast Fourier phase microscopy. *Applied Optics*, **2007**, 46, 1836-42	1.7	83
147	Quantitative phase imaging for medical diagnosis. *Journal of Biophotonics*, **2017**, 10, 177-205	3.1	82
146	Optically monitoring and controlling nanoscale topography during semiconductor etching. *Light: Science and Applications*, **2012**, 1, e30-e30	16.7	81
145	Quantitative phase imaging using actively stabilized phase-shifting low-coherence interferometry. *Optics Letters*, **2004**, 29, 2399-401	3	78
144	Quantitative phase imaging of nanoscale cell structure and dynamics. *Methods in Cell Biology*, **2008**, 90, 87-115	1.8	72
143	Live cell refractometry using Hilbert phase microscopy and confocal reflectance microscopy. *Journal of Physical Chemistry A*, **2009**, 113, 13327-30	2.8	68
142	Real time blood testing using quantitative phase imaging. *PLoS ONE*, **2013**, 8, e55676	3.7	66
141	Blood testing at the single cell level using quantitative phase and amplitude microscopy. *Biomedical Optics Express*, **2011**, 2, 3259-66	3.5	64

140	Static and dynamic light scattering of healthy and malaria-parasite invaded red blood cells. *Journal of Biomedical Optics*, **2010**, 15, 020506	3.5	64
139	Instantaneous Spatial Light Interference Microscopy. *Optics Express*, **2010**, 18, 1569-75	3.3	64
138	Observation of dynamic subdomains in red blood cells. *Journal of Biomedical Optics*, **2006**, 11, 040503	3.5	61
137	Measurement of the nonlinear elasticity of red blood cell membranes. *Physical Review E*, **2011**, 83, 051925	2.4	60
136	Prediction of prostate cancer recurrence using quantitative phase imaging. *Scientific Reports*, **2015**, 5, 9976	4.9	58
135	Dispersion-relation phase spectroscopy of intracellular transport. *Optics Express*, **2011**, 19, 20571-9	3.3	58
134	Jones phase microscopy of transparent and anisotropic samples. *Optics Letters*, **2008**, 33, 1270-2	3	56
133	Spatial light interference tomography (SLIT). *Optics Express*, **2011**, 19, 19907-18	3.3	55
132	Automatic Gleason grading of prostate cancer using quantitative phase imaging and machine learning. *Journal of Biomedical Optics*, **2017**, 22, 36015	3.5	54
131	Scattering-phase theorem. *Optics Letters*, **2011**, 36, 1215-7	3	54
130	Fresnel particle tracing in three dimensions using diffraction phase microscopy. *Optics Letters*, **2007**, 32, 811-3	3	54
129	Detecting 20 nm wide defects in large area nanopatterns using optical interferometric microscopy. *Nano Letters*, **2013**, 13, 3716-21	11.5	53
128	Coherence properties of red blood cell membrane motions. *Physical Review E*, **2007**, 76, 031902	2.4	53
127	Optical properties of tissues quantified by Fourier-transform light scattering. *Optics Letters*, **2009**, 34, 1372-4	3	52
126	Tissue refractometry using Hilbert phase microscopy. *Optics Letters*, **2007**, 32, 3522-4	3	51
125	Fast phase reconstruction in white light diffraction phase microscopy. *Applied Optics*, **2013**, 52, A97-101	1.7	50
124	Microrheology of red blood cell membranes using dynamic scattering microscopy. *Optics Express*, **2007**, 15, 17001-9	3.3	50
123	Effects of spatial coherence in diffraction phase microscopy. *Optics Express*, **2014**, 22, 5133-46	3.3	49

122	Label-free characterization of emerging human neuronal networks. *Scientific Reports*, **2014**, 4, 4434	4.9	47
121	Spectroscopic diffraction phase microscopy. *Optics Letters*, **2012**, 37, 3438-40	3	46
120	Fourier phase microscopy with white light. *Biomedical Optics Express*, **2013**, 4, 1434-41	3.5	45
119	Synthetic aperture tomographic phase microscopy for 3D imaging of live cells in translational motion. *Optics Express*, **2008**, 16, 16240-6	3.3	45
118	Solving inverse scattering problems in biological samples by quantitative phase imaging. *Laser and Photonics Reviews*, **2016**, 10, 13-39	8.3	45
117	Highly sensitive quantitative imaging for monitoring single cancer cell growth kinetics and drug response. *PLoS ONE*, **2014**, 9, e89000	3.7	44
116	Breast cancer diagnosis using spatial light interference microscopy. *Journal of Biomedical Optics*, **2015**, 20, 111210	3.5	38
115	New technologies for measuring single cell mass. *Lab on A Chip*, **2014**, 14, 646-52	7.2	38
114	Measuring the scattering parameters of tissues from quantitative phase imaging of thin slices. *Optics Letters*, **2011**, 36, 2281-3	3	38
113	Topography and refractometry of nanostructures using spatial light interference microscopy. *Optics Letters*, **2010**, 35, 208-10	3	37
112	Diffraction Phase Cytometry: blood on a CD-ROM. *Optics Express*, **2009**, 17, 2579-85	3.3	37
111	Label-Free Imaging of Single Microtubule Dynamics Using Spatial Light Interference Microscopy. *ACS Nano*, **2017**, 11, 647-655	16.7	35
110	Label-free tissue scanner for colorectal cancer screening. *Journal of Biomedical Optics*, **2017**, 22, 66016	3.5	34
109	Simultaneous optical measurements of cell motility and growth. *Biomedical Optics Express*, **2011**, 2, 2815-20	3.5	34
108	Quantifying collagen fiber orientation in breast cancer using quantitative phase imaging. *Journal of Biomedical Optics*, **2017**, 22, 46004	3.5	33
107	Coupled circumferential and axial tension driven by actin and myosin influences in vivo axon diameter. *Scientific Reports*, **2017**, 7, 14188	4.9	33
106	Refractive index variance of cells and tissues measured by quantitative phase imaging. *Optics Express*, **2017**, 25, 1573-1581	3.3	33
105	Label-free intracellular transport measured by spatial light interference microscopy. *Journal of Biomedical Optics*, **2011**, 16, 026019	3.5	33

104	Phase imaging with computational specificity (PICS) for measuring dry mass changes in sub-cellular compartments. *Nature Communications*, **2020**, 11, 6256	17.4	33
103	Bond-selective transient phase imaging via sensing of the infrared photothermal effect. *Light: Science and Applications*, **2019**, 8, 116	16.7	32
102	Optical assay of erythrocyte function in banked blood. *Scientific Reports*, **2014**, 4, 6211	4.9	31
101	Blood screening using diffraction phase cytometry. *Journal of Biomedical Optics*, **2010**, 15, 027016	3.5	31
100	Light scattering of human red blood cells during metabolic remodeling of the membrane. *Journal of Biomedical Optics*, **2011**, 16, 011013	3.5	31
99	Epi-illumination gradient light interference microscopy for imaging opaque structures. *Nature Communications*, **2019**, 10, 4691	17.4	30
98	Quantitative phase imaging with broadband fields. *Applied Physics Letters*, **2010**, 96, 051117	3.4	30
97	Programming Mechanical and Physicochemical Properties of 3D Hydrogel Cellular Microcultures via Direct Ink Writing. *Advanced Healthcare Materials*, **2016**, 5, 1025-39	10.1	29
96	Born approximation model for light scattering by red blood cells. *Biomedical Optics Express*, **2011**, 2, 2784-91	3.5	29
95	Real-time halo correction in phase contrast imaging. *Biomedical Optics Express*, **2018**, 9, 623-635	3.5	28
94	Diffraction phase microscopy: monitoring nanoscale dynamics in materials science [invited]. *Applied Optics*, **2014**, 53, G33-43	1.7	28
93	Nanoscale topography and spatial light modulator characterization using wide-field quantitative phase imaging. *Optics Express*, **2014**, 22, 3432-8	3.3	27
92	Visualizing Escherichia coli sub-cellular structure using sparse deconvolution Spatial Light Interference Tomography. *PLoS ONE*, **2012**, 7, e39816	3.7	27
91	Halo-free Phase Contrast Microscopy. *Scientific Reports*, **2017**, 7, 44034	4.9	26
90	Quantitative phase imaging reveals matrix stiffness-dependent growth and migration of cancer cells. *Scientific Reports*, **2019**, 9, 248	4.9	26
89	Prediction of prostate cancer recurrence using quantitative phase imaging: Validation on a general population. *Scientific Reports*, **2016**, 6, 33818	4.9	26
88	Label-free quantitative evaluation of breast tissue using Spatial Light Interference Microscopy (SLIM). *Scientific Reports*, **2018**, 8, 6875	4.9	26
87	Confocal diffraction phase microscopy of live cells. *Optics Letters*, **2008**, 33, 2074-6	3	26

86	Disorder strength measured by quantitative phase imaging as intrinsic cancer marker in fixed tissue biopsies. *PLoS ONE*, **2018**, 13, e0194320	3.7	24
85	3D-Printed pHEMA Materials for Topographical and Biochemical Modulation of Dorsal Root Ganglion Cell Response. *ACS Applied Materials & Interfaces*, **2017**, 9, 30318-30328	9.5	24
84	Phase correlation imaging of unlabeled cell dynamics. *Scientific Reports*, **2016**, 6, 32702	4.9	23
83	Actin-driven cell dynamics probed by Fourier transform light scattering. *Biomedical Optics Express*, **2010**, 1, 260-267	3.5	23
82	Effective 3D viscoelasticity of red blood cells measured by diffraction phase microscopy. *Biomedical Optics Express*, **2011**, 2, 485-90	3.5	21
81	Correlation-induced spectral changes in tissues. *Optics Letters*, **2011**, 36, 4209-11	3	21
80	Optical properties of acute kidney injury measured by quantitative phase imaging. *Biomedical Optics Express*, **2018**, 9, 921-932	3.5	20
79	Spatial Light Interference Microscopy (SLIM) using twisted-nematic liquid-crystal modulation. *Biomedical Optics Express*, **2013**, 4, 1571-83	3.5	20
78	Cell imaging beyond the diffraction limit using sparse deconvolution spatial light interference microscopy. *Biomedical Optics Express*, **2011**, 2, 1815-27	3.5	20
77	Gradient field microscopy of unstained specimens. *Optics Express*, **2012**, 20, 6737-45	3.3	20
76	Fourier Transform Light Scattering of Biological Structure and Dynamics. *IEEE Journal of Selected Topics in Quantum Electronics*, **2010**, 16, 909-918	3.8	20
75	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	11.5	19
74	Label-free colorectal cancer screening using deep learning and spatial light interference microscopy (SLIM). *APL Photonics*, **2020**, 5,	5.2	19
73	Cardiomyocyte imaging using real-time spatial light interference microscopy (SLIM). *PLoS ONE*, **2013**, 8, e56930	3.7	19
72	Fourier Transform Light Scattering (FTLS) of Cells and Tissues. *Journal of Computational and Theoretical Nanoscience*, **2010**, 7, 2501-2511	0.3	19
71	White-light diffraction phase microscopy at doubled space-bandwidth product. *Optics Express*, **2016** , 24, 29033-29039	3.3	19
70	Measuring the Nonuniform Evaporation Dynamics of Sprayed Sessile Microdroplets with Quantitative Phase Imaging. *Langmuir*, **2015**, 31, 11020-32	4	18
69	Three-dimensional intracellular transport in neuron bodies and neurites investigated by label-free dispersion-relation phase spectroscopy. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2017**, 91, 519-526	4.6	17

68	Magnified Image Spatial Spectrum (MISS) microscopy for nanometer and millisecond scale label-free imaging. *Optics Express*, **2018**, 26, 5423-5440	3.3	17
67	Quantitative Phase Imaging (QPI) in Neuroscience. *IEEE Journal of Selected Topics in Quantum Electronics*, **2019**, 25, 1-9	3.8	17
66	Breakthroughs in Photonics 2013: Quantitative Phase Imaging: Metrology Meets Biology. *IEEE Photonics Journal*, **2014**, 6, 1-9	1.8	16
65	One-dimensional deterministic transport in neurons measured by dispersion-relation phase spectroscopy. *Journal of Physics Condensed Matter*, **2011**, 23, 374107	1.8	16
64	Wolf phase tomography (WPT) of transparent structures using partially coherent illumination. *Light: Science and Applications*, **2020**, 9, 142	16.7	16
63	Harmonic optical tomography of nonlinear structures. *Nature Photonics*, **2020**, 14, 564-569	33.9	15
62	Endoscopic diffraction phase microscopy. *Optics Letters*, **2018**, 43, 3373-3376	3	15
61	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,	3.8	15
60	Laplace field microscopy for label-free imaging of dynamic biological structures. *Optics Letters*, **2011**, 36, 4704-6	3	15
59	Quantitative phase imaging of stromal prognostic markers in pancreatic ductal adenocarcinoma. *Biomedical Optics Express*, **2020**, 11, 1354-1364	3.5	15
58	Active intracellular transport in metastatic cells studied by spatial light interference microscopy. *Journal of Biomedical Optics*, **2015**, 20, 111209	3.5	14
57	Quantitative phase imaging of weakly scattering objects using partially coherent illumination. *Optics Express*, **2016**, 24, 11683-93	3.3	13
56	Quantitative Histopathology of Stained Tissues using Color Spatial Light Interference Microscopy (cSLIM). *Scientific Reports*, **2019**, 9, 14679	4.9	13
55	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	11.5	13
54	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	4.6	12
53	Network science characteristics of brain-derived neuronal cultures deciphered from quantitative phase imaging data. *Scientific Reports*, **2020**, 10, 15078	4.9	12
52	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	11.5	12
51	Imaging Collagen Properties in the Uterosacral Ligaments of Women With Pelvic Organ Prolapse Using Spatial Light Interference Microscopy (SLIM). *Frontiers in Physics*, **2019**, 7,	3.9	11

50	Inverse scattering solutions using low-coherence light. *Optics Letters*, **2014**, 39, 4494-7	3	11
49	Quantitative assessment of neural outgrowth using spatial light interference microscopy. *Journal of Biomedical Optics*, **2017**, 22, 66015	3.5	11
48	Tissue spatial correlation as cancer marker. *Journal of Biomedical Optics*, **2019**, 24, 1-6	3.5	11
47	Electrothermal soft manipulator enabling safe transport and handling of thin cell/tissue sheets and bioelectronic devices. *Science Advances*, **2020**, 6,	14.3	11
46	Label-free, multi-scale imaging of ex-vivo mouse brain using spatial light interference microscopy. *Scientific Reports*, **2016**, 6, 39667	4.9	11
45	Topography and refractometry of sperm cells using spatial light interference microscopy. *Journal of Biomedical Optics*, **2018**, 23, 1-6	3.5	10
44	Physical significance of backscattering phase measurements. *Optics Letters*, **2017**, 42, 4643-4646	3	9
43	Simultaneous cell traction and growth measurements using light. *Journal of Biophotonics*, **2019**, 12, e201800182	3.1	8
42	Spatiotemporal characterization of a fibrin clot using quantitative phase imaging. *PLoS ONE*, **2014**, 9, e111381	3.7	8
41	In situ measurements of the axial expansion of palladium microdisks during hydrogen exposure using diffraction phase microscopy. *Optical Materials Express*, **2014**, 4, 2559	2.6	8
40	Deterministic signal associated with a random field. *Optics Express*, **2013**, 21, 20806-20	3.3	8
39	Dispersion-relation fluorescence spectroscopy. *Physical Review Letters*, **2012**, 109, 188104	7.4	8
38	Real-time Jones phase microscopy for studying transparent and birefringent specimens. *Optics Express*, **2020**, 28, 34190-34200	3.3	8
37	Spatial light interference microscopy: principle and applications to biomedicine.. *Advances in Optics and Photonics*, **2021**, 13, 353-425	16.7	8
36	SLIM microscopy allows for visualization of DNA-containing liposomes designed for sperm-mediated gene transfer in cattle. *Molecular Biology Reports*, **2019**, 46, 695-703	2.8	8
35	Optical excitation and detection of neuronal activity. *Journal of Biophotonics*, **2019**, 12, e201800269	3.1	8
34	Graphene oxide substrates with N-cadherin stimulates neuronal growth and intracellular transport. *Acta Biomaterialia*, **2019**, 90, 412-423	10.8	7
33	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	2.9	7

32	Quantitative Phase Imaging: Principles and Applications **2019**, 1-24		7
31	Effects of substrate patterning on cellular spheroid growth and dynamics measured by gradient light interference microscopy (GLIM). *Journal of Biophotonics*, **2019**, 12, e201900178	3.1	6
30	Measurement of multispectral scattering properties in mouse brain tissue. *Biomedical Optics Express*, **2017**, 8, 1763-1770	3.5	6
29	Optical Sensing of Red Blood Cell Dynamics **2011**, 279-309		6
28	Harmonically decoupled gradient light interference microscopy (HD-GLIM). *Optics Letters*, **2020**, 45, 1487-1490	3.3	5
27	Computational interference microscopy enabled by deep learning.. *APL Photonics*, **2021**, 6,	5.2	5
26	Label-free SARS-CoV-2 detection and classification using phase imaging with computational specificity. *Light: Science and Applications*, **2021**, 10, 176	16.7	5
25	Cell-to-cell influence on growth in large populations. *Biomedical Optics Express*, **2019**, 10, 4664-4675	3.5	4
24	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	10.1	4
23	High-resolution impedance mapping using electrically activated quantitative phase imaging. *Light: Science and Applications*, **2021**, 10, 20	16.7	4
22	Live-dead assay on unlabeled cells using phase imaging with computational specificity.. *Nature Communications*, **2022**, 13, 713	17.4	3
21	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	2.1	3
20	Matrix Softness-Mediated 3D Zebrafish Hepatocyte Modulates Response to Endocrine Disrupting Chemicals. *Environmental Science & Technology*, **2020**, 54, 13797-13806	10.3	3
19	Multiscale Assay of Unlabeled Neurite Dynamics Using Phase Imaging with Computational Specificity. *ACS Sensors*, **2021**, 6, 1864-1874	9.2	3
18	Cell Cycle Stage Classification Using Phase Imaging with Computational Specificity.. *ACS Photonics*, **2022**, 9, 1264-1273	6.3	3
17	Effect of tissue staining in quantitative phase imaging. *Journal of Biophotonics*, **2018**, 11, e201700402	3.1	2
16	Fourier Transform Light Scattering of Tissues **2013**, 259-290		2
15	Quantifying myelin content in brain tissue using color Spatial Light Interference Microscopy (cSLIM). *PLoS ONE*, **2020**, 15, e0241084	3.7	2

List of Publications

14	Label-free cell viability assay using phase imaging with computational specificity (PICS) **2021**,		2
13	Quantitative phase imaging of arthropods. *Journal of Biomedical Optics*, **2015**, 20, 111212	3.5	1
12	Dispersion relations of cytoskeleton dynamics. *Cell Health and Cytoskeleton*, **2016**, 1		1
11	Observing hydrogen induced deformations in palladium thin-films **2013**,		1
10	Live-dead assay on unlabeled cells using phase imaging with computational specificity		1
9	Real-time halo correction in phase contrast imaging		1
8	Rapid SARS-CoV-2 Detection and Classification Using Phase Imaging with Computational Specificity		1
7	Bioprinting: High-Resolution Projection Microstereolithography for Patterning of Neovasculature (Adv. Healthcare Mater. 5/2016). *Advanced Healthcare Materials*, **2016**, 5, 622-622	10.1	1
6	Label-free screening of brain tissue myelin content using phase imaging with computational specificity (PICS). *APL Photonics*, **2021**, 6, 076103	5.2	1
5	Automatic Colorectal Cancer Screening Using Deep Learning in Spatial Light Interference Microscopy Data.. *Cells*, **2022**, 11,	7.9	1
4	Synthetic aperture interference light (SAIL) microscopy for high-throughput label-free imaging.. *Applied Physics Letters*, **2021**, 119, 233701	3.4	0
3	Guest Editorial Introduction to the Issue on Nanobiophotonics. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 3-5	3.8	
2	Diffraction as scattering under the Born approximation. *Optics Express*, **2021**, 29, 39107-39114	3.3	
1	Monitoring reactivation of latent HIV by label-free gradient light interference microscopy. *IScience*, **2021**, 24, 102940	6.1	