Seok-Hyun Yun

List of Publications by Citations

174 papers	10,628 citations	57 h-index	99 g-index
189 ext. papers	12,891 ext. citations	9.7 avg, IF	6.7 L-index

#	Paper	IF	Citations
174	Nanotechnology in Textiles. *ACS Nano*, **2016**, 10, 3042-68	16.7	390
173	Ultrahigh-resolution high-speed retinal imaging using spectral-domain optical coherence tomography. *Optics Express*, **2004**, 12, 2435-47	3.3	370
172	Light in diagnosis, therapy and surgery. *Nature Biomedical Engineering*, **2017**, 1,	19	343
171	Confocal Brillouin microscopy for three-dimensional mechanical imaging. *Nature Photonics*, **2007**, 2, 39-43	33.9	303
170	Real-time fiber-based multi-functional spectral-domain optical coherence tomography at 1.3 microm. *Optics Express*, **2005**, 13, 3931-44	3.3	288
169	Contact lens sensors in ocular diagnostics. *Advanced Healthcare Materials*, **2015**, 4, 792-810	10.1	277
168	Single-cell biological lasers. *Nature Photonics*, **2011**, 5, 406-410	33.9	248
167	Highly Stretchable, Strain Sensing Hydrogel Optical Fibers. *Advanced Materials*, **2016**, 28, 10244-10249	24	236
166	The potential of optofluidic biolasers. *Nature Methods*, **2014**, 11, 141-7	21.6	227
165	Noncontact three-dimensional mapping of intracellular hydromechanical properties by Brillouin microscopy. *Nature Methods*, **2015**, 12, 1132-4	21.6	223
164	Light-guiding hydrogels for cell-based sensing and optogenetic synthesis. *Nature Photonics*, **2013**, 7, 987-994	33.9	217
163	Multifunctional materials for implantable and wearable photonic healthcare devices. *Nature Reviews Materials*, **2020**, 5, 149-165	73.3	206
162	Intracellular microlasers. *Nature Photonics*, **2015**, 9, 572-576	33.9	195
161	Photonic crystal fiber based plasmonic sensors. *Sensors and Actuators B: Chemical*, **2017**, 243, 311-325	8.5	190
160	Brillouin microscopy of collagen crosslinking: noncontact depth-dependent analysis of corneal elastic modulus **2013**, 54, 1418-25		178
159	Nanographene oxide-hyaluronic acid conjugate for photothermal ablation therapy of skin cancer. *ACS Nano*, **2014**, 8, 260-8	16.7	171
158	Rapid tumoritropic accumulation of systemically injected plateloid particles and their biodistribution. *Journal of Controlled Release*, **2012**, 158, 148-55	11.7	159

157	Interrogation of fiber grating sensor arrays with a wavelength-swept fiber laser. *Optics Letters*, **1998**, 23, 843-5	3	159
156	All-fiber acousto-optic tunable notch filter with electronically controllable spectral profile. *Optics Letters*, **1997**, 22, 1476-8	3	154
155	Biomechanical characterization of keratoconus corneas ex vivo with Brillouin microscopy **2014**, 55, 4490-5		143
154	Glucose-Sensitive Hydrogel Optical Fibers Functionalized with Phenylboronic Acid. *Advanced Materials*, **2017**, 29, 1606380	24	142
153	Bioimaging of hyaluronic acid derivatives using nanosized carbon dots. *Biomacromolecules*, **2012**, 13, 2554-61	6.9	141
152	Chemical tumor-targeting of nanoparticles based on metabolic glycoengineering and click chemistry. *ACS Nano*, **2014**, 8, 2048-63	16.7	138
151	In vivo Brillouin optical microscopy of the human eye. *Optics Express*, **2012**, 20, 9197-202	3.3	134
150	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. *Nature Communications*, **2016**, 7, 10374	17.4	130
149	In vivo measurement of age-related stiffening in the crystalline lens by Brillouin optical microscopy. *Biophysical Journal*, **2011**, 101, 1539-45	2.9	130
148	Step-Index Optical Fiber Made of Biocompatible Hydrogels. *Advanced Materials*, **2015**, 27, 4081-6	24	128
147	On the near-wall accumulation of injectable particles in the microcirculation: smaller is not better. *Scientific Reports*, **2013**, 3, 2079	4.9	128
146	Wireless smart contact lens for diabetic diagnosis and therapy. *Science Advances*, **2020**, 6, eaba3252	14.3	127
145	Long-period fiber gratings based on periodic microbends. *Optics Letters*, **1999**, 24, 1263-5	3	124
144	Endoscopic time-lapse imaging of immune cells in infarcted mouse hearts. *Circulation Research*, **2013**, 112, 891-9	15.7	122
143	Photonic hydrogel sensors. *Biotechnology Advances*, **2016**, 34, 250-71	17.8	120
142	Card9 mediates intestinal epithelial cell restitution, T-helper 17 responses, and control of bacterial infection in mice. *Gastroenterology*, **2013**, 145, 591-601.e3	13.3	107
141	The Eglucan receptor Dectin-1 activates the integrin Mac-1 in neutrophils via Vav protein signaling to promote Candida albicans clearance. *Cell Host and Microbe*, **2011**, 10, 603-15	23.4	100
140	Multifunctional Photonic Nanomaterials for Diagnostic, Therapeutic, and Theranostic Applications. *Advanced Materials*, **2018**, 30, 1701460	24	99

139	In vivo biomechanical mapping of normal and keratoconus corneas. *JAMA Ophthalmology*, **2015**, 133, 480-2	3.9	99
138	Multistage VIPA etalons for high-extinction parallel Brillouin spectroscopy. *Optics Express*, **2011**, 19, 10913-22	3.3	94
137	Immune recognition and rejection of allogeneic skin grafts. *Immunotherapy*, **2011**, 3, 757-70	3.8	93
136	Paper-based microfluidic system for tear electrolyte analysis. *Lab on A Chip*, **2017**, 17, 1137-1148	7.2	90
135	Transdermal delivery of hyaluronic acid -- human growth hormone conjugate. *Biomaterials*, **2012**, 33, 5947-54	15.6	89
134	A novel imaging approach for early detection of prostate cancer based on endogenous zinc sensing. *Cancer Research*, **2010**, 70, 6119-27	10.1	88
133	Ly6Clo monocytes drive immunosuppression and confer resistance to anti-VEGFR2 cancer therapy. *Journal of Clinical Investigation*, **2017**, 127, 3039-3051	15.9	87
132	Fourier-domain optical coherence tomography: recent advances toward clinical utility. *Current Opinion in Biotechnology*, **2009**, 20, 111-8	11.4	84
131	Photodynamic therapy of melanoma skin cancer using carbon dot - chlorin e6 - hyaluronate conjugate. *Acta Biomaterialia*, **2015**, 26, 295-305	10.8	82
130	All-biomaterial laser using vitamin and biopolymers. *Advanced Materials*, **2013**, 25, 5943-7	24	81
129	Actively gain-flattened erbium-doped fiber amplifier over 35 nm by using all-fiber acoustooptic tunable filters. *IEEE Photonics Technology Letters*, **1998**, 10, 790-792	2.2	81
128	All-fiber tunable filter and laser based on two-mode fiber. *Optics Letters*, **1996**, 21, 27-9	3	70
127	Bio-optimized energy transfer in densely packed fluorescent protein enables near-maximal luminescence and solid-state lasers. *Nature Communications*, **2014**, 5, 5722	17.4	69
126	Photonic nanosensor for colorimetric detection of metal ions. *Analytical Chemistry*, **2015**, 87, 5101-8	7.8	68
125	Targeting CXCR4-dependent immunosuppressive Ly6C monocytes improves antiangiogenic therapy in colorectal cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10455-10460	11.5	67
124	Biodegradable elastic nanofibrous platforms with integrated flexible heaters for on-demand drug delivery. *Scientific Reports*, **2017**, 7, 9220	4.9	67
123	Interaction of two translational components, lysyl-tRNA synthetase and p40/37LRP, in plasma membrane promotes laminin-dependent cell migration. *FASEB Journal*, **2012**, 26, 4142-59	0.9	64
122	Fabrication and operation of GRIN probes for in vivo fluorescence cellular imaging of internal organs in small animals. *Nature Protocols*, **2012**, 7, 1456-69	18.8	63

121	Wavelength-encoded laser particles for massively multiplexed cell tagging. *Nature Photonics*, **2019**, 13, 720-727	33.9	62
120	High performance fused-type mode-selective coupler using elliptical core two-mode fiber at 1550 nm. *IEEE Photonics Technology Letters*, **2002**, 14, 501-503	2.2	62
119	Upconversion Nanoparticles/Hyaluronate-Rose Bengal Conjugate Complex for Noninvasive Photochemical Tissue Bonding. *ACS Nano*, **2017**, 11, 9979-9988	16.7	61
118	Biodegradable Photonic Melanoidin for Theranostic Applications. *ACS Nano*, **2016**, 10, 822-31	16.7	58
117	Lasing from Escherichia coli bacteria genetically programmed to express green fluorescent protein. *Optics Letters*, **2011**, 36, 3299-301	3	54
116	The commercialization of genome-editing technologies. *Critical Reviews in Biotechnology*, **2017**, 37, 924-932	9.4	52
115	A novel laser vaccine adjuvant increases the motility of antigen presenting cells. *PLoS ONE*, **2010**, 5, e13776	3.7	52
114	Trichogenic Photostimulation Using Monolithic Flexible Vertical AlGaInP Light-Emitting Diodes. *ACS Nano*, **2018**, 12, 9587-9595	16.7	51
113	Biomaterial microlasers implantable in the cornea, skin, and blood. *Optica*, **2017**, 4, 1080-1085	8.6	51
112	Light-Guiding Biomaterials for Biomedical Applications. *Advanced Functional Materials*, **2018**, 28, 1706635	15.6	50
111	Bioluminescence-activated deep-tissue photodynamic therapy of cancer. *Theranostics*, **2015**, 5, 805-17	12.1	48
110	Dynamic erbium-doped fiber amplifier based on active gain flattening with fiber acoustooptic tunable filters. *IEEE Photonics Technology Letters*, **1999**, 11, 1229-1231	2.2	46
109	In Vivo Brillouin Analysis of the Aging Crystalline Lens **2016**, 57, 5093-5100		45
108	Polyplex nanomicelle promotes hydrodynamic gene introduction to skeletal muscle. *Journal of Controlled Release*, **2010**, 143, 112-9	11.7	44
107	Noninvasive Transdermal Vaccination Using Hyaluronan Nanocarriers and Laser Adjuvant. *Advanced Functional Materials*, **2016**, 26, 2512-2522	15.6	43
106	Optical microring resonator based corrosion sensing. *RSC Advances*, **2016**, 6, 56127-56133	3.7	42
105	Spatially-resolved Brillouin spectroscopy reveals biomechanical abnormalities in mild to advanced keratoconus in vivo. *Scientific Reports*, **2019**, 9, 7467	4.9	41
104	Reconfigurable optical assembly of nanostructures. *Nature Communications*, **2016**, 7, 12002	17.4	41

103	Color-selective holographic retroreflector array for sensing applications. *Light: Science and Applications*, **2017**, 6, e16214	16.7	40
102	Simultaneous 3D imaging of sound-induced motions of the tympanic membrane and middle ear ossicles. *Hearing Research*, **2013**, 304, 49-56	3.9	40
101	Splicing variant of AIMP2 as an effective target against chemoresistant ovarian cancer. *Journal of Molecular Cell Biology*, **2012**, 4, 164-73	6.3	40
100	Morpho Butterfly-Inspired Nanostructures. *Advanced Optical Materials*, **2016**, 4, 497-504	8.1	39
99	Color-Selective 2.5D Holograms on Large-Area Flexible Substrates for Sensing and Multilevel Security. *Advanced Optical Materials*, **2016**, 4, 1589-1600	8.1	38
98	Bioorthogonal Click Chemistry-Based Synthetic Cell Glue. *Small*, **2015**, 11, 6458-66	11	37
97	Real-time FPGA processing for high-speed optical frequency domain imaging. *IEEE Transactions on Medical Imaging*, **2009**, 28, 1468-72	11.7	37
96	Brillouin microscopy: assessing ocular tissue biomechanics. *Current Opinion in Ophthalmology*, **2018**, 29, 299-305	5.1	37
95	Urokinase exerts antimetastatic effects by dissociating clusters of circulating tumor cells. *Cancer Research*, **2015**, 75, 4474-82	10.1	36
94	Toward biomaterial-based implantable photonic devices. *Nanophotonics*, **2017**, 6, 414-434	6.3	36
93	In vivo fluorescence microscopy: lessons from observing cell behavior in their native environment. *Physiology*, **2015**, 30, 40-9	9.8	34
92	FTY720 blocks egress of T cells in part by abrogation of their adhesion on the lymph node sinus. *Journal of Immunology*, **2011**, 187, 2244-51	5.3	34
91	All-fiber wavelength-tunable acoustooptic switches based on intermodal coupling in fibers. *Journal of Lightwave Technology*, **2002**, 20, 1864-1868	4	33
90	Optical lens-microneedle array for percutaneous light delivery. *Biomedical Optics Express*, **2016**, 7, 4220-4227	3.5	33
89	High-extinction virtually imaged phased array-based Brillouin spectroscopy of turbid biological media. *Applied Physics Letters*, **2016**, 108, 203701	3.4	32
88	Printable Nanophotonic Devices via Holographic Laser Ablation. *ACS Nano*, **2015**, 9, 9062-9	16.7	31
87	Laser Particle Stimulated Emission Microscopy. *Physical Review Letters*, **2016**, 117, 193902	7.4	31
86	A switchable digital microfluidic droplet dye-laser. *Lab on A Chip*, **2011**, 11, 3716-9	7.2	31

85	Reply to TWater content, not stiffness, dominates Brillouin spectroscopy measurements in hydrated materialsT *Nature Methods*, **2018**, 15, 562-563	21.6	30
84	Brillouin Spectroscopy of Normal and Keratoconus Corneas. *American Journal of Ophthalmology*, **2019**, 202, 118-125	4.9	30
83	Luciferase-Rose Bengal conjugates for singlet oxygen generation by bioluminescence resonance energy transfer. *Chemical Communications*, **2017**, 53, 4569-4572	5.8	29
82	Hyaluronate-Gold Nanorod/DR5 Antibody Complex for Noninvasive Theranosis of Skin Cancer. *ACS Applied Materials & Interfaces*, **2016**, 8, 32202-32210	9.5	29
81	Line-scanning Brillouin microscopy for rapid non-invasive mechanical imaging. *Scientific Reports*, **2016**, 6, 35398	4.9	29
80	Measuring mechanical wave speed, dispersion, and viscoelastic modulus of the cornea using optical coherence elastography. *Optics Express*, **2019**, 27, 16635-16649	3.3	29
79	Dynamic imaging of vocal fold oscillation with four-dimensional optical coherence tomography. *Laryngoscope*, **2010**, 120, 1354-62	3.6	28
78	Art on the Nanoscale and Beyond. *Advanced Materials*, **2016**, 28, 1724-42	24	28
77	Cellular dye lasers: lasing thresholds and sensing in a planar resonator. *Optics Express*, **2015**, 23, 27865-79	3.3	27
76	Laser Interference Lithography for the Nanofabrication of Stimuli-Responsive Bragg Stacks. *Advanced Functional Materials*, **2018**, 28, 1702715	15.6	26
75	Cross-axis cascading of spectral dispersion. *Optics Letters*, **2008**, 33, 2979-81	3	26
74	Lasing from fluorescent protein crystals. *Optics Express*, **2014**, 22, 31411-6	3.3	25
73	Whispering-gallery-mode emission from biological luminescent protein microcavity assemblies. *Optica*, **2017**, 4, 222-228	8.6	24
72	All-fiber-optic nonreciprocal modulator. *Optics Letters*, **1997**, 22, 507-9	3	23
71	Carbon nanotube biconvex microcavities. *Applied Physics Letters*, **2015**, 106, 121108	3.4	22
70	Photonic Crystal Flakes. *ACS Sensors*, **2016**, 1, 493-497	9.2	22
69	A Simple Approach to Biological Single-Cell Lasers Via Intracellular Dyes. *Advanced Optical Materials* , **2015**, 3, 1197-1200	8.1	21
68	Flexible Optical Waveguides for Uniform Periscleral Cross-Linking **2017**, 58, 2596-2602		20

67	Numerical model of optical coherence tomographic vibrography imaging to estimate corneal biomechanical properties. *Journal of the Royal Society Interface*, **2014**, 11, 20140920	4.1	20
66	In vivo imaging of tracheal epithelial cells in mice during airway regeneration. *American Journal of Respiratory Cell and Molecular Biology*, **2012**, 47, 864-8	5.7	20
65	In vivo measurement of shear modulus of the human cornea using optical coherence elastography. *Scientific Reports*, **2020**, 10, 17366	4.9	20
64	Etalon filters for Brillouin microscopy of highly scattering tissues. *Optics Express*, **2016**, 24, 22232-8	3.3	20
63	Structure and optical properties of perovskite-embedded dual-phase microcrystals synthesized by sonochemistry. *Communications Chemistry*, **2020**, 3,	6.3	19
62	Selective two-photon collagen crosslinking measured by Brillouin microscopy. *Optica*, **2016**, 3, 469-472	8.6	19
61	Mechanism of multiple grating formation in high-energy recording of holographic sensors. *Applied Physics Letters*, **2014**, 105, 261106	3.4	19
60	Bioimaging of Hyaluronate-Interferon Conjugates Using a Non-Interfering Zwitterionic Fluorophore. *Biomacromolecules*, **2015**, 16, 3054-61	6.9	18
59	Self-adjuvanted hyaluronate--antigenic peptide conjugate for transdermal treatment of muscular dystrophy. *Biomaterials*, **2016**, 81, 93-103	15.6	18
58	Label-free nanoscale optical metrology on myelinated axons in vivo. *Nature Communications*, **2017**, 8, 1832	17.4	18
57	Bioart. *Trends in Biotechnology*, **2015**, 33, 724-734	15.1	17
56	All-fiber add-drop wavelength-division multiplexer based on intermodal coupling. *IEEE Photonics Technology Letters*, **2001**, 13, 460-462	2.2	17
55	A polarimetric current sensor using an orthogonally polarized dual-frequency fibre laser. *Measurement Science and Technology*, **1998**, 9, 952-959	2	17
54	Mapping the phase and amplitude of ossicular chain motion using sound-synchronous optical coherence vibrography. *Biomedical Optics Express*, **2018**, 9, 5489-5502	3.5	16
53	Multiplexed laser particles for spatially resolved single-cell analysis. *Light: Science and Applications*, **2019**, 8, 74	16.7	15
52	In vivo imaging of Lgr5-positive cell populations using confocal laser endomicroscopy during early colon tumorigenesis. *Endoscopy*, **2014**, 46, 1110-6	3.4	15
51	The influence of hydration on different mechanical moduli of the cornea. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2018**, 256, 1653-1660	3.8	14
50	350-μm side-view optical probe for imaging the murine brain in vivo from the cortex to the hypothalamus. *Journal of Biomedical Optics*, **2013**, 18, 50502	3.5	14

49	Suppression of polarization dependence in a two-mode-fiber acousto-optic device. *Optics Letters*, **1996**, 21, 908-10	3	14
48	Mode-multiplexed waveguide sensor. *Journal of Electromagnetic Waves and Applications*, **2016**, 30, 444-455	1.3	13
47	The effect of static stretch on elastin degradation in arteries. *PLoS ONE*, **2013**, 8, e81951	3.7	13
46	Spectral reading of optical resonance-encoded cells in microfluidics. *Lab on A Chip*, **2017**, 17, 2777-2784	7.2	12
45	An electronically wavelength-tunable mode-locked fiber laser using an all-fiber acoustooptic tunable filter. *IEEE Photonics Technology Letters*, **1996**, 8, 1618-1620	2.2	12
44	Two-photon excited photoconversion of cyanine-based dyes. *Scientific Reports*, **2016**, 6, 23866	4.9	12
43	Multiwall carbon nanotube microcavity arrays. *Journal of Applied Physics*, **2016**, 119, 113105	2.5	12
42	Shear Brillouin light scattering microscope. *Optics Express*, **2016**, 24, 319-28	3.3	12
41	Laser particles with omnidirectional emission for cell tracking. *Light: Science and Applications*, **2021**, 10, 23	16.7	11
40	Controlled Detachment of Chemically Glued Cells. *Bioconjugate Chemistry*, **2016**, 27, 2601-2604	6.3	10
39	Intravital microscopic interrogation of peripheral taste sensation. *Scientific Reports*, **2015**, 5, 8661	4.9	10
38	Frequency-division-multiplexed polarimetric fiber laser current-sensor array. *Optics Letters*, **1999**, 24, 1097-9	3	10
37	Selective Equatorial Sclera Crosslinking in the Orbit Using a Metal-Coated Polymer Waveguide **2019** , 60, 2563-2570		9
36	Electrically Tunable Scattering from Devitrite–Liquid Crystal Hybrid Devices. *Advanced Optical Materials*, **2017**, 5, 1600414	8.1	9
35	All-fiber tunable comb filter with nonreciprocal transmission. *IEEE Photonics Technology Letters*, **1998**, 10, 1437-1439	2.2	9
34	Nonlinear strain response of two-mode fiber-optic interferometer. *Optics Letters*, **1996**, 21, 934-6	3	9
33	Polarization- and frequency-stable fiber laser for magnetic-field sensing. *Optics Letters*, **1996**, 21, 1029-31	3	9
32	Site-Specific In Vivo Bioorthogonal Ligation via Chemical Modulation. *Advanced Healthcare Materials*, **2016**, 5, 2510-2516	10.1	8

31	In vivo femtosecond endosurgery: an intestinal epithelial regeneration-after-injury model. *Optics Express*, **2013**, 21, 30842-8	3.3	8
30	Mode locking of a wavelength-swept laser. *Optics Letters*, **2005**, 30, 2660-2	3	8
29	Single-Mode, 700%-Stretchable, Elastic Optical Fibers Made of Thermoplastic Elastomers. *Advanced Optical Materials*, **2021**, 9, 2100270	8.1	8
28	Submicrometer perovskite plasmonic lasers at room temperature. *Science Advances*, **2021**, 7,	14.3	8
27	Multiplex Smartphone Diagnostics. *Methods in Molecular Biology*, **2017**, 1546, 295-302	1.4	7
26	Polyethersulfone optical fibers with thermally induced microbubbles for custom side-scattering profiles. *Optics Express*, **2019**, 27, 7560-7567	3.3	7
25	Parametric Simulations of Slanted 1D Photonic Crystal Sensors. *Nanoscale Research Letters*, **2016**, 11, 157	5	7
24	Longitudinal Tracing of Spontaneous Regression and Anti-angiogenic Response of Individual Microadenomas during Colon Tumorigenesis. *Theranostics*, **2015**, 5, 724-32	12.1	6
23	Hyaluronate–Hlt1 peptide conjugate/epirubicin micelles for theranostic application to liver cancers. *RSC Advances*, **2015**, 5, 48615-48618	3.7	6
22	All-fiber acoustooptic filter with low-polarization sensitivity and no frequency shift. *IEEE Photonics Technology Letters*, **1997**, 9, 461-463	2.2	6
21	Brillouin Microscopy Visualizes Centralized Corneal Edema in Fuchs Endothelial Dystrophy. *Cornea*, **2020**, 39, 168-171	3.1	5
20	Label-free histological imaging of tissues using Brillouin light scattering contrast. *Biomedical Optics Express*, **2021**, 12, 1437-1448	3.5	5
19	Conformal Coating of Freestanding Particles by Vapor-Phase Infiltration. *Advanced Materials Interfaces*, **2020**, 7, 2001323	4.6	4
18	Rapid and Selective Targeting of Heterogeneous Pancreatic Neuroendocrine Tumors. *IScience*, **2020**, 23, 101006	6.1	4
17	Biomaterial Laser: All-Biomaterial Laser Using Vitamin and Biopolymers (Adv. Mater. 41/2013). *Advanced Materials*, **2013**, 25, 5988-5988	24	4
16	Poly(catecholamine) coated CsPbBr perovskite microlasers: lasing in water and biofunctionalization. *Advanced Functional Materials*, **2021**, 31, 2101902	15.6	4
15	Optical coherence tomography for imaging the middle and inner ears: A technical review **2018**,		4
14	Measuring mechanical anisotropy of the cornea with Brillouin microscopy.. *Nature Communications*, **2022**, 13, 1354	17.4	4

List of Publications

13	Antimetastatic Effect by Targeting CTC Cluster-Response. *Cancer Research*, **2016**, 76, 4910	10.1	2
12	Bio-inspired and bio-integrated photonic materials and devices: feature issue introduction. *Optical Materials Express*, **2020**, 10, 155	2.6	2
11	Multilayer Fabrication of a Rainbow of Microdisk Laser Particles Across a 500 nm Bandwidth. *ACS Photonics*, **2021**, 8, 1301-1306	6.3	2
10	Millisecond cellular labelling with two-photon photoconversion. *Biomedical Optics Express*, **2018**, 9, 3067-3077	3.5	1
9	Ultrahigh resolution spectral-domain optical coherence tomography using the 1000-1600 nm spectral band.. *Biomedical Optics Express*, **2022**, 13, 1939-1947	3.5	1
8	Wavelength-encoded laser particles for massively-multiplexed cell tagging		1
7	Compact Quantum-Dot Microbeads with Sub-Nanometer Emission Linewidth.. *Advanced Functional Materials*, **2021**, 31, 2103413	15.6	1
6	In vivo stiffness measurement of epidermis, dermis, and hypodermis using broadband Rayleigh-wave optical coherence elastography.. *Acta Biomaterialia*, **2022**,	10.8	1
5	Wavelength Swept Lasers **2015**, 619-637		0
4	Optical coherence tomographic measurements of the sound-induced motion of the ossicular chain in chinchillas: Additional modes of ossicular motion enhance the mechanical response of the chinchilla middle ear at higher frequencies. *Hearing Research*, **2020**, 396, 108056	3.9	0
3	Droplet microfluidic generation of a million optical microparticle barcodes. *Optics Express*, **2021**, 29, 38109-38118	3.5	1
2	Bioresorbable spectrometers. *Nature Biomedical Engineering*, **2019**, 3, 594-595	19	
1	Vaccines: Noninvasive Transdermal Vaccination Using Hyaluronan Nanocarriers and Laser Adjuvant (Adv. Funct. Mater. 15/2016). *Advanced Functional Materials*, **2016**, 26, 2511-2511	15.6	