

James S Wilkinson

List of Publications by Year in descending order

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169
papers

5,697
citations

57719

44
h-index

88593

70
g-index

170
all docs

170
docs citations

170
times ranked

5156
citing authors

#	ARTICLE	IF	CITATIONS
1	Etchless pedestal chalcogenide waveguide platform for long-wave IR applications. <i>Optical Materials Express</i> , 2022, 12, 1154.	1.6	1
2	Artificial neural networks for material parameter extraction in terahertz time-domain spectroscopy. <i>Optics Express</i> , 2022, 30, 15583.	1.7	12
3	Study of waveguide background at visible wavelengths for on-chip nanoscopy. <i>Optics Express</i> , 2021, 29, 20735.	1.7	4
4	Waveguide Enhanced Raman Spectroscopy for Biosensing: A Review. <i>ACS Sensors</i> , 2021, 6, 2025-2045.	4.0	19
5	Modelling of a miniature mid-IR thermo-optic spectrometer on chip based on a GaAs/In _{0.49} Ga _{0.51} P waveguide platform. <i>Optics Communications</i> , 2021, 495, 127044.	1.0	1
6	The Effect of Haematocrit on Measurement of the Mid-Infrared Refractive Index of Plasma in Whole Blood. <i>Biosensors</i> , 2021, 11, 417.	2.3	3
7	A Thulium-Doped Tantalum Pentoxide Waveguide Laser. , 2021, , .		1
8	Integrated Switching Circuit for Low-Noise Self-Referenced Mid-Infrared Absorption Sensing Using Silicon Waveguides. <i>IEEE Photonics Journal</i> , 2021, 13, 1-10.	1.0	4
9	FCM_{PASS} Software Aids Extracellular Vesicle Light Scatter Standardization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 569-581.	1.1	58
10	Perspective on Thin Film Waveguides for on-Chip Mid-Infrared Spectroscopy of Liquid Biochemical Analytes. <i>Analytical Chemistry</i> , 2020, 92, 10891-10901.	3.2	16
11	Monolithically-integrated cytometer for measuring particle diameter in the extracellular vesicle size range using multi-angle scattering. <i>Lab on A Chip</i> , 2020, 20, 1267-1280.	3.1	2
12	Ge on Si waveguide mid-infrared absorption spectroscopy of proteins and their aggregates. <i>Biomedical Optics Express</i> , 2020, 11, 4714.	1.5	11
13	Supercontinuum generation in tantalum pentoxide waveguides for pump wavelengths in the 900â€‰nm to 1500â€‰nm spectral region. <i>Optics Express</i> , 2020, 28, 32173.	1.7	12
14	Optimized design for grating-coupled waveguide-enhanced Raman spectroscopy. <i>Optics Express</i> , 2020, 28, 37226.	1.7	7
15	Spectroscopy of thulium-doped tantalum pentoxide waveguides on silicon. <i>Optical Materials Express</i> , 2020, 10, 2201.	1.6	6
16	Waveguide Absorption Spectroscopy of Bovine Serum Albumin in the Mid-Infrared Fingerprint Region. <i>ACS Sensors</i> , 2019, 4, 1749-1753.	4.0	22
17	Optical biosensors based on refractometric sensing schemes: A review. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111693.	5.3	130
18	Effect of sodium addition and thermal annealing on second-order optical nonlinearity in thermally poled amorphous Ta ₂ O ₅ thin films. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	6

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19	Integration of mid-infrared SOI photonics with microfluidics. , 2019, , .		2
20	High index contrast photonic platforms for on-chip Raman spectroscopy. Optics Express, 2019, 27, 23067.	1.7	37
21	Chalcogenide glass waveguides with paper-based fluidics for mid-infrared absorption spectroscopy. Optics Letters, 2018, 43, 2913.	1.7	24
22	Tantalum pentoxide waveguides and microresonators for VECSEL based frequency combs. , 2018, , .		1
23	Group IV mid-infrared devices and circuits. , 2018, , .		0
24	Germanium Mid-Infrared Photonic Devices. Journal of Lightwave Technology, 2017, 35, 624-630.	2.7	76
25	Complex refractive index spectra of whole blood and aqueous solutions of anticoagulants, analgesics and buffers in the mid-infrared. Scientific Reports, 2017, 7, 7356.	1.6	39
26	Integrated optical waveguide-based fluorescent immunosensor for fast and sensitive detection of microcystin-LR in lakes: Optimization and Analysis. Scientific Reports, 2017, 7, 3655.	1.6	43
27	Photoluminescence of Tm-doped TaO waveguides. , 2017, , .		0
28	Optical quality ZnSe films and low loss waveguides on Si substrates for mid-infrared applications. Optical Materials Express, 2017, 7, 712.	1.6	34
29	Germanium-on-silicon waveguides operating at mid-infrared wavelengths up to 85 μm . Optics Express, 2017, 25, 27431.	1.7	75
30	Extracellular Vesicle Flow Cytometry Analysis and Standardization. Frontiers in Cell and Developmental Biology, 2017, 5, 78.	1.8	101
31	Micromanipulation of InP lasers with optoelectronic tweezers for integration on a photonic platform. Optics Express, 2016, 24, 18163.	1.7	17
32	Integrated optical waveguides and inertial focussing microfluidics in silica for microflow cytometry applications. Journal of Micromechanics and Microengineering, 2016, 26, 105004.	1.5	7
33	Surface and waveguide collection of Raman emission in waveguide-enhanced Raman spectroscopy. Optics Letters, 2016, 41, 4146.	1.7	28
34	A low-cost technique for adding microlasers to a silicon photonic platform. , 2016, , .		2
35	Power Budget Analysis for Waveguide-Enhanced Raman Spectroscopy. Applied Spectroscopy, 2016, 70, 1384-1391.	1.2	6
36	Optical Quality ZnSe Films on Silicon for Mid-IR Waveguides. , 2016, , .		0

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37	Wavelength division demultiplexer and integrated III-V semiconductor lasers on a silicon photonics platform with microbubble manipulation. , 2015, , .		0
38	Chalcogenide waveguides for mid-infrared biomedical sensing applications. , 2015, , .		0
39	Squeezing red blood cells on an optical waveguide to monitor cell deformability during blood storage. Analyst, The, 2015, 140, 223-229.	1.7	18
40	Mid-infrared GeTe4 waveguides on silicon with a ZnSe isolation layer. , 2015, , .		0
41	Waveguide lasers in ytterbium-doped tantalum pentoxide on silicon. Optics Letters, 2015, 40, 2549.	1.7	13
42	Transmittance and surface intensity in 3D composite plasmonic waveguides. Optics Express, 2015, 23, 14407.	1.7	24
43	Fabrication and characterization of high-contrast mid-infrared GeTe_4 channel waveguides. Optics Letters, 2015, 40, 2016.	1.7	21
44	Channel waveguides and Mach-Zehnder structures on RbTiOPO_4 by Cs^+ ion exchange. Optical Materials Express, 2015, 5, 1183.	1.6	14
45	High-contrast GeTe4 waveguides for mid-infrared biomedical sensing applications. , 2014, , .		8
46	Optical deformation of red blood cells trapped on a narrow waveguide. , 2014, , .		0
47	GeTe4 channel waveguides for the mid-wave infrared spectral band. , 2014, , .		2
48	Spectroscopy of ytterbium-doped tantalum pentoxide rib waveguides on silicon. Optical Materials Express, 2014, 4, 1505.	1.6	6
49	An optical fiber optofluidic particle aspirator. Applied Physics Letters, 2014, 105, .	1.5	2
50	High-resolution broadly-tunable MOPA-based terahertz spectrometer to non-destructively probe and modulate protein electrodynamics. , 2013, , .		0
51	Kinoform microlenses for focusing into microfluidic channels. Optics Express, 2012, 20, 9442.	1.7	4
52	Optical microdisc resonators by flattening microspheres. Applied Physics Letters, 2012, 101, 071106.	1.5	17
53	Optical Microdisc Resonators. , 2012, , .		1
54	Robust Mode-Selection in Optical Bottle Microresonators. , 2012, , .		1

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55	Spectroscopy, Modeling, and Performance of Erbium-Doped Ta ₂ O ₅ Waveguide Amplifiers. Journal of Lightwave Technology, 2012, 30, 1455-1462.	2.7	17
56	Surface transport and stable trapping of particles and cells by an optical waveguide loop. Lab on a Chip, 2012, 12, 3436.	3.1	69
57	Structural characteristics and optical properties of plasma assisted reactive magnetron sputtered dielectric thin films for planar waveguiding applications. Surface and Coatings Technology, 2012, 206, 4930-4939.	2.2	21
58	High index contrast Er:Ta ₂ O ₅ waveguide amplifier on oxidised silicon. Optics Communications, 2012, 285, 124-127.	1.0	25
59	Continuous-wave and Q-switched Tm-doped KY(WO ₄) ₂ planar waveguide laser at 184 Åµm. Optics Express, 2011, 19, 1449.	1.7	46
60	Hollow-bottle optical microresonators. Optics Express, 2011, 19, 20773.	1.7	117
61	Integrated Nd-doped borosilicate glass microsphere laser. Optics Letters, 2011, 36, 73.	1.7	45
62	Multimode interference devices for focusing in microfluidic channels. Optics Letters, 2011, 36, 3067.	1.7	7
63	Analysis of confinement effects on microstructured Ln ³⁺ :KY _{1-x} Gd _x Lu _y (WO ₄) ₂ waveguides. Optical Materials Express, 2011, 1, 306.	1.6	3
64	KY _{0.58} Gd _{0.22} Lu _{0.17} Tm _{0.03} (WO ₄) ₂ buried rib waveguide lasers. Optical Materials, 2011, 34, 475-480.	1.7	6
65	Experimental and numerical study of trapping of cells on a waveguide. , 2011, , .		0
66	Lead silicate glass microsphere resonators with absorption-limited Q. Applied Physics Letters, 2011, 98, .	1.5	13
67	Integrated platform based on high refractive index contrast waveguide for optical guiding and sorting. Proceedings of SPIE, 2010, , .	0.8	12
68	Multi-modal particle manipulator to enhance bead-based bioassays. Ultrasonics, 2010, 50, 235-239.	2.1	11
69	Position-dependent coupling between a channel waveguide and a distorted microsphere resonator. Journal of Applied Physics, 2010, 107, 053105.	1.1	22
70	Novel fiber bottle microresonator add-drop filters. Proceedings of SPIE, 2010, , .	0.8	0
71	Erbium-Doped Waveguide Laser in Tantalum Pentoxide. IEEE Photonics Technology Letters, 2010, 22, 1571-1573.	1.3	24
72	Chalcogenide glass microsphere laser. Optics Express, 2010, 18, 26720.	1.7	59

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73	Mirrorless buried waveguide laser in monoclinic double tungstates fabricated by a novel combination of ion milling and liquid phase epitaxy. Optics Express, 2010, 18, 26937.	1.7	27
74	Optical excitation and probing of whispering gallery modes in bottle microresonators: potential for all-fiber add-drop filters. Optics Letters, 2010, 35, 1893.	1.7	57
75	Structural and optical properties of yttrium oxide thin films for planar waveguiding applications. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 1388-1392.	0.9	35
76	Optical waveguide devices for bioanalysis. , 2010, , .		0
77	Fabrication and optimization of Tantalum pentoxide waveguides for optical micro-propulsion. , 2010, , .		1
78	Sub-micron period relief grating structures inscribed on erbium doped Ta ₂ O ₅ waveguides using 213 nm, 150 ps laser radiation. , 2009, , .		0
79	Waveguiding and photoluminescence in Er ³⁺ -doped Ta ₂ O ₅ planar waveguides. Journal of Luminescence, 2009, 129, 812-816.	1.5	13
80	Manipulating Spheres That Sink: Assembly of Micrometer Sized Glass Spheres for Optical Coupling. Langmuir, 2009, 25, 1872-1880.	1.6	5
81	Selective excitation of whispering gallery modes in a novel bottle microresonator. Optics Express, 2009, 17, 11916.	1.7	161
82	Optical fiber nanowires and microwires: fabrication and applications. Advances in Optics and Photonics, 2009, 1, 107.	12.1	311
83	Fabrication of Submicrometer High Refractive Index Tantalum Pentoxide Waveguides for Optical Propulsion of Microparticles. IEEE Photonics Technology Letters, 2009, 21, 1408-1410.	1.3	59
84	Whispering gallery modes in bottle microresonators. , 2009, , .		0
85	Flexible Acoustic Particle Manipulation Device with Integrated Optical Waveguide for Enhanced Microbead Assays. Analytical Sciences, 2009, 25, 285-291.	0.8	28
86	Optofluidic integration for microanalysis. Microfluidics and Nanofluidics, 2008, 4, 53-79.	1.0	132
87	Efficient blue upconversion emission due to confined radiative energy transfer in Tm ³⁺ /Nd ³⁺ co-doped Ta ₂ O ₅ waveguides under infrared-laser excitation. Optics Communications, 2008, 281, 3691-3694.	1.0	18
88	Whispering gallery mode spectra of channel waveguide coupled microspheres. Optics Express, 2008, 16, 11066.	1.7	71
89	Demonstration of novel high-Q fibre WGM “Bottle” microresonators. , 2008, , .		4
90	Optical Propulsion of Individual and Clustered Microspheres along Sub-Micron Optical Wires. Japanese Journal of Applied Physics, 2008, 47, 6716-6718.	0.8	27

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91	Investigation of neodymium-diffused yttrium vanadate waveguides by confocal microluminescence. Journal of Applied Physics, 2008, 103, .	1.1	12
92	Optical manipulation of microspheres along a subwavelength optical wire. Optics Letters, 2007, 32, 3041.	1.7	144
93	Chalcogenide glass microspheres; their production, characterization and potential. Optics Express, 2007, 15, 17542.	1.7	84
94	Ti:Sapphire waveguide lasers. Laser Physics Letters, 2007, 4, 560-571.	0.6	36
95	Manipulation of microparticles with integrated optics. , 2006, , .		0
96	Room temperature infrared-laser-induced upconversion in Nd ³⁺ doped Ta ₂ O ₅ waveguides. Chemical Physics Letters, 2006, 421, 198-204.	1.2	7
97	Waveguide surface plasmon resonance sensing: Electrochemical desorption of alkane thiol monolayers. Sensors and Actuators B: Chemical, 2006, 117, 253-260.	4.0	30
98	Diffusion of gallium in sapphire. Journal of the European Ceramic Society, 2006, 26, 2695-2698.	2.8	7
99	Whispering gallery mode excitation in borosilicate glass microspheres by K ⁺ -ion-exchanged channel waveguide coupler. , 2006, 6101, 131.		3
100	Generalized ultrafast dispersion scans of continuum generation induced by sub-50fs chirped pulses in highly nonlinear tapered planar waveguides. , 2005, 5714, 200.		1
101	Automated Water Analyser Computer Supported System (AWACSS) Part I: Project objectives, basic technology, immunoassay development, software design and networking. Biosensors and Bioelectronics, 2005, 20, 1499-1508.	5.3	86
102	Automated Water Analyser Computer Supported System (AWACSS). Biosensors and Bioelectronics, 2005, 20, 1509-1519.	5.3	90
103	Nd:Ta ₂ O ₅ rib waveguide lasers. Applied Physics Letters, 2005, 86, 021110.	1.5	18
104	Neodymium-doped tantalum pentoxide waveguide lasers. IEEE Journal of Quantum Electronics, 2005, 41, 1565-1573.	1.0	33
105	Sorting of polystyrene microspheres using a Y-branched optical waveguide. Optics Express, 2005, 13, 1.	1.7	124
106	Integrated optical fluorescence multisensor for water pollution. Optics Express, 2005, 13, 1124.	1.7	55
107	Velocity distribution of Gold nanoparticles trapped on an optical waveguide. Optics Express, 2005, 13, 3896.	1.7	31
108	Biosensors for unattended, cost-effective and continuous monitoring of environmental pollution: Automated Water Analyser Computer Supported System (AWACSS) and River Analyser (RIANA). International Journal of Environmental Analytical Chemistry, 2005, 85, 837-852.	1.8	11

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109	Optical coupling between a self-assembled microsphere grating and a rib waveguide. Applied Physics Letters, 2004, 84, 3513-3515.	1.5	7
110	Simultaneous SPR and electrochemical sensing of an alkane-thiol self-assembled monolayer (SAM): toward an optical biosensor. , 2004, 5502, 271.		0
111	Photopatterning of DNA oligonucleotides on silicon surfaces with micron-scale dimensions. , 2004, , .		3
112	Optical propulsion of microspheres along a channel waveguide produced by Cs+ ion-exchange in glass. Optics Communications, 2004, 239, 227-235.	1.0	67
113	Channel waveguides in ion-exchanged pyrex by direct UV writing. Optics Communications, 2004, 242, 109-114.	1.0	4
114	A new masking technology for deep glass etching and its microfluidic application. Sensors and Actuators A: Physical, 2004, 115, 476-482.	2.0	141
115	Phase interrogation of an integrated optical SPR sensor. Sensors and Actuators B: Chemical, 2004, 97, 114-121.	4.0	61
116	Partial discharge on-line monitoring for hv cable systems using electrooptic modulators. IEEE Transactions on Dielectrics and Electrical Insulation, 2004, 11, 861-869.	1.8	39
117	UV Photosensitivity in aTa_2O_5 Rib Waveguide Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2004, 16, 1522-1524.	1.3	12
118	Diffused Ti:sapphire channel-waveguide lasers. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1452.	0.9	24
119	Photosensitivity of ion-exchanged Er-doped phosphate glass using 248nm excimer laser radiation. Optics Express, 2004, 12, 3131.	1.7	48
120	Determination of nonlinear refractive index in a Ta2O5 rib waveguide using self-phase modulation. Optics Express, 2004, 12, 5110.	1.7	79
121	An Experimental Comparison of Linear and Parabolic Tapered Waveguide Lasers and a Demonstration of Broad-Stripe Diode Pumping. Journal of Lightwave Technology, 2004, 22, 845-849.	2.7	7
122	Integrated optical immunofluorescence multisensor for river pollution. , 2004, , .		0
123	Design and theoretical evaluation of a novel microfluidic device to be used for PCR. Journal of Micromechanics and Microengineering, 2003, 13, S125-S130.	1.5	119
124	Separation of photonic crystal waveguides modes using femtosecond time-of-flight. Applied Physics Letters, 2002, 81, 3927-3929.	1.5	34
125	Integrated optical dual Mach-Zehnder interferometer sensor. Sensors and Actuators B: Chemical, 2002, 87, 250-257.	4.0	51
126	Propulsion of gold nanoparticles on optical waveguides. Optics Communications, 2002, 208, 117-124.	1.0	74

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127	New Materials and Processes for Integrated Optics. Journal of the American Ceramic Society, 2002, 85, 1387-1390.	1.9	6
128	Diffusion of Neodymium into Sputtered Films of Tantalum Pentoxide. Journal of the American Ceramic Society, 2002, 85, 2581-2583.	1.9	2
129	Waveguide surface plasmon resonance sensor for electrochemically controlled surface reactions. Applied Optics, 2001, 40, 6242.	2.1	12
130	Integrated diode detector and optical fibres for in situ detection within micromachined polymerase chain reaction chips. Journal of Micromechanics and Microengineering, 2001, 11, 329-333.	1.5	25
131	Gratings in indium oxide film overlayers on ion-exchanged waveguides by excimer laser micromachining. Applied Physics Letters, 2001, 78, 694-696.	1.5	18
132	Optoelectrochemical sensor for lead based on electrochemically assisted solvent extraction. Sensors and Actuators B: Chemical, 2000, 63, 115-121.	4.0	10
133	Relief gratings on Er/Yb-doped borosilicate glasses and waveguides by excimer laser ablation. Applied Surface Science, 2000, 153, 200-210.	3.1	16
134	Forces on a Rayleigh particle in the cover region of a planar waveguide. Journal of Lightwave Technology, 2000, 18, 388-400.	2.7	54
135	Integrated optical surface plasmon resonance immunoprobe for simazine detection. Biosensors and Bioelectronics, 1999, 14, 377-386.	5.3	82
136	Theory and modelling of optical waveguide sensors utilising surface plasmon resonance. Sensors and Actuators B: Chemical, 1999, 54, 66-73.	4.0	92
137	Permanent holographic recording in indium oxide thin films using 193 nm excimer laser radiation. Applied Physics A: Materials Science and Processing, 1999, 69, 333-336.	1.1	19
138	Sensitivity enhancement of integrated optical sensors by use of thin high-index films. Applied Optics, 1999, 38, 6036.	2.1	44
139	Integrated optical chemical and biochemical sensors. , 1999, , .		1
140	Optical immunoprobe development for multiresidue monitoring in water. Analytica Chimica Acta, 1998, 362, 69-79.	2.6	61
141	Integrated optical Mach-Zehnder biosensor. Journal of Lightwave Technology, 1998, 16, 583-592.	2.7	219
142	A polarized brightness-enhanced Nd:Y/sub 3/Al/sub 5/O/sub 12/ planar waveguide laser. IEEE Photonics Technology Letters, 1998, 10, 1392-1394.	1.3	1
143	<title>Integrated optical sensor system for beverage analysis</title>. , 1998, , .		0
144	<title>Waveguide immunofluorescence sensor for water pollution analysis</title>. , 1998, , .		1

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145	Indium tin oxide overlayers for sensor applications. <i>Applied Optics</i> , 1997, 36, 7066.	2.1	56
146	Determination of simazine in water samples by waveguide surface plasmon resonance. <i>Analytica Chimica Acta</i> , 1997, 338, 109-117.	2.6	120
147	Electrochemiluminescence detection of glucose oxidase as a model for flow injection immunoassays. <i>Biosensors and Bioelectronics</i> , 1996, 11, 805-810.	5.3	43
148	A non-invasive continuous method of measuring blood volume during haemodialysis using optical techniques. <i>Medical Engineering and Physics</i> , 1996, 18, 105-109.	0.8	8
149	Non-invasive, optical measurement of absolute blood volume in hemodialysis patients. <i>Kidney International</i> , 1996, 49, 255-260.	2.6	12
150	Waveguide surface plasmon resonance sensors. <i>Sensors and Actuators B: Chemical</i> , 1995, 29, 261-267.	4.0	255
151	Ion-exchanged Er/Yb waveguide laser at 1.5 μm pumped by laser diode. <i>Electronics Letters</i> , 1995, 31, 1345-1346.	0.5	56
152	Channel waveguide laser at 1 μm in Yb-indiffused LiNbO ₃ . <i>Optics Letters</i> , 1995, 20, 1477.	1.7	63
153	Detection of glucose via electrochemiluminescence in a thin-layer cell with a planar optical waveguide. <i>Measurement Science and Technology</i> , 1995, 6, 1325-1328.	1.4	62
154	Electric-field-induced periodic domain inversion in Nd ³⁺ -diffused LiNbO ₃ . <i>Electronics Letters</i> , 1994, 30, 2135-2136.	0.5	16
155	Characterization of secondary silver ion exchange in potassium-ion-exchanged glass waveguides. <i>Journal Physics D: Applied Physics</i> , 1994, 27, 235-240.	1.3	8
156	A waveguide-coupled surface-plasmon sensor for an aqueous environment. <i>Sensors and Actuators B: Chemical</i> , 1994, 22, 75-81.	4.0	71
157	Cross-sectional transformers for the signal enhancement of intensity-based evanescent-field sensors. <i>Sensors and Actuators B: Chemical</i> , 1994, 22, 165-173.	4.0	0
158	Tunable coupled-cavity waveguide laser at room temperature in Nd-diffused Ti:LiNbO ₃ . <i>Optics Letters</i> , 1994, 19, 1541.	1.7	39
159	Neodymium-doped ion-exchanged waveguide lasers in BK-7 glass. <i>Journal of Lightwave Technology</i> , 1993, 11, 1550-1558.	2.7	12
160	Modeling of Y-junction waveguide resonators. <i>Journal of Lightwave Technology</i> , 1992, 10, 1700-1707.	2.7	6
161	Optoelectrochemical transduction on planar optical waveguides. <i>Journal of Lightwave Technology</i> , 1992, 10, 693-699.	2.7	38
162	Fluorescent lifetime of Er ³⁺ 4I _{13/2} level in BK-7 borosilicate glass. <i>Materials Letters</i> , 1992, 14, 347-351.	1.3	4

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163	Integrated Q-switched multiple-cavity glass waveguide laser. IEEE Photonics Technology Letters, 1992, 4, 235-237.	1.3	17
164	Erbium-doped ion-exchanged waveguide lasers in BK-7 glass. IEEE Photonics Technology Letters, 1992, 4, 542-544.	1.3	68
165	Waveguide lasers operating at 1084 nm in neodymium-diffused lithium niobate. IEEE Photonics Technology Letters, 1992, 4, 852-855.	1.3	35
166	An optoelectrochemical thin-film chlorine sensor employing evanescent fields on planar optical waveguides. Analytical Chemistry, 1992, 64, 651-655.	3.2	62
167	Indium tin oxide films by sequential evaporation. Thin Solid Films, 1990, 189, 227-233.	0.8	37
168	Continuous measurement of blood hydration during ultrafiltration using optical methods. Medical and Biological Engineering and Computing, 1987, 25, 317-323.	1.6	18
169	Integrated optics-devices. Physics in Technology, 1983, 14, 190-193.	0.2	2