

Heike Ebdorff-Heidepriem

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259
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323
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7,707
ext. citations

4.2
avg, IF

6.03
L-index

#	Paper	IF	Citations
259	Infrared fibers. <i>Advances in Optics and Photonics</i> , 2015 , 7, 379	16.7	197
258	Bismuth glass holey fibers with high nonlinearity. <i>Optics Express</i> , 2004 , 12, 5082-7	3.3	196
257	Formation and UV absorption of cerium, europium and terbium ions in different valencies in glasses. <i>Optical Materials</i> , 2000 , 15, 7-25	3.3	183
256	Effect of glass composition on Judd-Ofelt parameters and radiative decay rates of Er ³⁺ in fluoride phosphate and phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1998 , 240, 66-78	3.9	179
255	THz porous fibers: design, fabrication and experimental characterization. <i>Optics Express</i> , 2009 , 17, 14053-5062	3.5062	170
254	Spectroscopic and lasing properties of Er ³⁺ :Yb ³⁺ -doped fluoride phosphate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 399-405	1.9	165
253	Extrusion of complex preforms for microstructured optical fibers. <i>Optics Express</i> , 2007 , 15, 15086-92	3.3	156
252	Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 738-749	3.8	145
251	Highly nonlinear and anomalously dispersive lead silicate glass holey fibers. <i>Optics Express</i> , 2003 , 11, 3568-73	3.3	133
250	Spectroscopic properties of Eu ³⁺ and Tb ³⁺ ions for local structure investigations of fluoride phosphate and phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 208, 205-216	3.9	133
249	Sensing with suspended-core optical fibers. <i>Optical Fiber Technology</i> , 2010 , 16, 343-356	2.4	129
248	PROGRESS IN MICROSTRUCTURED OPTICAL FIBERS. <i>Annual Review of Materials Research</i> , 2006 , 36, 467-498	4.28	128
247	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 117-127	8.5	118
246	Plasmonic Fiber Optic Refractometric Sensors: From Conventional Architectures to Recent Design Trends. <i>Sensors</i> , 2016 , 17,	3.8	108
245	Fifty percent internal slope efficiency femtosecond direct-written Tm ³⁺ :ZBLAN waveguide laser. <i>Optics Letters</i> , 2011 , 36, 1587-9	3	108
244	Suspended nanowires: fabrication, design and characterization of fibers with nanoscale cores. <i>Optics Express</i> , 2009 , 17, 2646-57	3.3	105
243	Dual-polarized highly sensitive plasmonic sensor in the visible to near-IR spectrum. <i>Optics Express</i> , 2018 , 26, 30347-30361	3.3	99

242	High-nonlinearity dispersion-shifted lead-silicate holey fibers for efficient 1-/spl mu/m pumped supercontinuum generation. <i>Journal of Lightwave Technology</i> , 2006 , 24, 183-190	4	86
241	Dehydration of phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1993 , 163, 74-80	3.9	86
240	Ternary tellurite glasses for the fabrication of nonlinear optical fibres. <i>Optical Materials Express</i> , 2012 , 2, 140	2.6	82
239	3D-printed extrusion dies: a versatile approach to optical material processing. <i>Optical Materials Express</i> , 2014 , 4, 1494	2.6	81
238	Exposed-core microstructured optical fibers for real-time fluorescence sensing. <i>Optics Express</i> , 2009 , 17, 18533-42	3.3	72
237	Detection of quantum-dot labelled proteins using soft glass microstructured optical fibers. <i>Optics Express</i> , 2007 , 15, 17819-26	3.3	71
236	Spectroscopic properties of Nd ³⁺ ions in phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1995 , 183, 191-200	3.9	69
235	Spectroscopic and laser properties of Ce ³⁺ /Cr ³⁺ /Nd ³⁺ co-doped fluoride phosphate and phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1994 , 171, 94-104	3.9	68
234	Tb ³⁺ f-d absorption as indicator of the effect of covalency on the Judd-Ofelt Ω parameter in glasses. <i>Journal of Non-Crystalline Solids</i> , 1999 , 248, 247-252	3.9	67
233	Surface Plasmon Scattering in Exposed Core Optical Fiber for Enhanced Resolution Refractive Index Sensing. <i>Sensors</i> , 2015 , 15, 25090-102	3.8	66
232	Silica exposed-core microstructured optical fibers. <i>Optical Materials Express</i> , 2012 , 2, 1538	2.6	65
231	Chemical Deposition of Silver for the Fabrication of Surface Plasmon Microstructured Optical Fibre Sensors. <i>Plasmonics</i> , 2011 , 6, 133-136	2.4	61
230	Fluorescence-based aluminum ion sensing using a surface-functionalized microstructured optical fiber. <i>Langmuir</i> , 2011 , 27, 5680-5	4	61
229	Diamond in tellurite glass: a new medium for quantum information. <i>Advanced Materials</i> , 2011 , 23, 2806-10	4	59
228	Extruded tellurite glass and fibers with low OH content for mid-infrared applications. <i>Optical Materials Express</i> , 2012 , 2, 432	2.6	59
227	Upconversion Nanocrystal-Doped Glass: A New Paradigm for Photonic Materials. <i>Advanced Optical Materials</i> , 2016 , 4, 1507-1517	8.1	57
226	Highly birefringent elliptical core photonic crystal fiber for terahertz application. <i>Optics Communications</i> , 2018 , 407, 92-96	2	56
225	Energy level decay and excited state absorption processes in erbium-doped tellurite glass. <i>Journal of Applied Physics</i> , 2011 , 110, 083111	2.5	56

224	High-sensitivity Sagnac-interferometer biosensor based on exposed core microstructured optical fiber. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 103-109	8.5	53
223	Small core optical waveguides are more nonlinear than expected: experimental confirmation. <i>Optics Letters</i> , 2009 , 34, 3577-9	3	53
222	Antibody immobilization within glass microstructured fibers: a route to sensitive and selective biosensors. <i>Optics Express</i> , 2008 , 16, 18514-23	3.3	53
221	Lead-germanate glasses and fibers: a practical alternative to tellurite for nonlinear fiber applications. <i>Optical Materials Express</i> , 2013 , 3, 1488	2.6	49
220	Recent Advances in Hybrid Optical Materials: Integrating Nanoparticles within a Glass Matrix. <i>Advanced Optical Materials</i> , 2019 , 7, 1900702	8.1	45
219	Fluoride glass microstructured optical fiber with large mode area and mid-infrared transmission. <i>Optics Letters</i> , 2008 , 33, 2861-3	3	43
218	Interferometric high temperature sensor using suspended-core optical fibers. <i>Optics Express</i> , 2016 , 24, 8967-77	3.3	43
217	Versatile large-mode-area femtosecond laser-written Tm:ZBLAN glass chip lasers. <i>Optics Express</i> , 2012 , 20, 27503-9	3.3	41
216	Predicting the drawing conditions for Microstructured Optical Fiber fabrication. <i>Optical Materials Express</i> , 2014 , 4, 29	2.6	40
215	Electron spin resonance spectra of Eu ²⁺ and Tb ⁴⁺ ions in glasses. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 7627-7634	1.8	40
214	2.1 μ m waveguide laser fabricated by femtosecond laser direct-writing in Ho ³⁺ , Tm ³⁺ :ZBLAN glass. <i>Optics Letters</i> , 2012 , 37, 996-8	3	39
213	Thulium pumped high power supercontinuum in loss-determined optimum lengths of tellurite photonic crystal fiber. <i>Applied Physics Letters</i> , 2010 , 97, 061106	3.4	39
212	Energy transfer and upconversion in erbium/ytterbium-doped fluoride phosphate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 74, 233-236	1.9	39
211	Diode-pumped erbium-ytterbium-glass laser passively Q-switched with a PbS semiconductor quantum-dot doped glass. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 175-178	1.9	39
210	An optical fibre-based sensor for the detection of gaseous ammonia with methylammonium lead halide perovskite. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6988-6995	7.1	39
209	Index matching between passive and active tellurite glasses for use in microstructured fiber lasers: erbium doped lanthanum-tellurite glass. <i>Optics Express</i> , 2009 , 17, 15578-84	3.3	38
208	Laser writing of waveguides in photosensitive glasses. <i>Optical Materials</i> , 2004 , 25, 109-115	3.3	38
207	Temperature sensing up to 1300°C using suspended-core microstructured optical fibers. <i>Optics Express</i> , 2016 , 24, 3714-9	3.3	37

206	Light induced degradation in mixed-halide perovskites. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9326-9334	3.4	37
205	Ultrafast Laser Inscription in Soft Glasses: A Comparative Study of Athermal and Thermal Processing Regimes for Guided Wave Optics. <i>International Journal of Applied Glass Science</i> , 2012 , 3, 332-348	1.8	37
204	Light confinement within nanoholes in nanostructured optical fibers. <i>Optics Express</i> , 2010 , 18, 26018-2633	3.3	37
203	Glass and Process Development for the Next Generation of Optical Fibers: A Review. <i>Fibers</i> , 2017 , 5, 11	3.7	32
202	Magnetically sensitive nanodiamond-doped tellurite glass fibers. <i>Scientific Reports</i> , 2018 , 8, 1268	4.9	31
201	Luminescence from bismuth-germanate glasses and its manipulation through oxidants. <i>Optical Materials Express</i> , 2012 , 2, 1320	2.6	31
200	Taming the Light in Microstructured Optical Fibers for Sensing. <i>International Journal of Applied Glass Science</i> , 2015 , 6, 229-239	1.8	29
199	Efficient 2.9 μ m fluorozirconate glass waveguide chip laser. <i>Optics Letters</i> , 2013 , 38, 2588-91	3	29
198	Fabrication and supercontinuum generation in dispersion flattened bismuth microstructured optical fiber. <i>Optics Express</i> , 2011 , 19, 21135-44	3.3	29
197	Radiation dosimetry using optically stimulated luminescence in fluoride phosphate optical fibres. <i>Optical Materials Express</i> , 2012 , 2, 62	2.6	29
196	Cleaving of Extremely Porous Polymer Fibers. <i>IEEE Photonics Journal</i> , 2009 , 1, 286-292	1.8	29
195	Extruded high-NA microstructured polymer optical fibre. <i>Optics Communications</i> , 2007 , 273, 133-137	2	29
194	Surface tension and viscosity measurement of optical glasses using a scanning CO ₂ laser. <i>Optical Materials Express</i> , 2012 , 2, 1101	2.6	28
193	Analysis of glass flow during extrusion of optical fiber preforms. <i>Optical Materials Express</i> , 2012 , 2, 304	2.6	28
192	Effect of europium ions on X-ray-induced defect formation in phosphate containing glasses. <i>Optical Materials</i> , 2002 , 19, 351-363	3.3	28
191	Drawing of micro-structured fibres: circular and non-circular tubes. <i>Journal of Fluid Mechanics</i> , 2014 , 755, 176-203	3.7	27
190	Mid-infrared astrophotonics: study of ultrafast laser induced index change in compatible materials. <i>Optical Materials Express</i> , 2017 , 7, 698	2.6	27
189	Driving down the detection limit in microstructured fiber-based chemical dip sensors. <i>Sensors</i> , 2011 , 11, 2961-71	3.8	27

188	Effect of Tb ³⁺ ions on X-ray-induced defect formation in phosphate containing glasses. <i>Optical Materials</i> , 2002 , 18, 419-430	3.3	27
187	Spectroscopic properties of rare-earth ions in heavy metal oxide and phosphate-containing glasses 1999 , 3622, 19		27
186	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12727-32	9.5	27
185	Temperature-Compensated Refractive Index Measurement Using a Dual Fabry-Pérot Interferometer Based on C-Fiber Cavity. <i>IEEE Sensors Journal</i> , 2020 , 20, 6408-6413	4	26
184	Nitric oxide optical fiber sensor based on exposed core fibers and CdTe/CdS quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 9-17	8.5	26
183	Femtosecond laser induced structural changes in fluorozirconate glass. <i>Optical Materials Express</i> , 2013 , 3, 574	2.6	26
182	Crystallization behavior and spectroscopic properties of Ho ³⁺ -doped ZBYA-fluoride glass. <i>Optical Materials</i> , 2000 , 14, 127-136	3.3	26
181	Tellurite microspheres for nanoparticle sensing and novel light sources. <i>Optics Express</i> , 2014 , 22, 11995-2006	3.9	25
180	Fabrication of extruded fluoroindate optical fibers. <i>Optical Materials Express</i> , 2013 , 3, 318	2.6	25
179	Quasiperiodic Nanohole Arrays on Optical Fibers as Plasmonic Sensors: Fabrication and Sensitivity Determination. <i>ACS Sensors</i> , 2016 , 1, 1078-1083	9.2	25
178	Localized surface plasmon resonance sensing structure based on gold nanohole array on beveled fiber edge. <i>Nanotechnology</i> , 2017 , 28, 435504	3.4	24
177	Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology. <i>IEEE Access</i> , 2020 , 8, 97204-97214	3.5	24
176	Towards rewritable multilevel optical data storage in single nanocrystals. <i>Optics Express</i> , 2018 , 26, 12266-3	9.3	23
175	Reduction of scattering loss in fluoroindate glass fibers. <i>Optical Materials Express</i> , 2013 , 3, 1285	2.6	23
174	Midinfrared optical rogue waves in soft glass photonic crystal fiber. <i>Optics Express</i> , 2011 , 19, 17973-8	3.3	23
173	Perspective: Biomedical sensing and imaging with optical fibers Innovation through convergence of science disciplines. <i>APL Photonics</i> , 2018 , 3, 100902	5.2	22
172	Analysis of 3D-printed metal for rapid-prototyped reflective terahertz optics. <i>Optics Express</i> , 2016 , 24, 17384-96	3.3	21
171	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. <i>Optical Materials Express</i> , 2014 , 4, 2608	2.6	20

170	. <i>Journal of Lightwave Technology</i> , 2019 , 1-1	4	19
169	Plasmonic nanoparticle-functionalized exposed-core fiber-an optofluidic refractive index sensing platform. <i>Optics Letters</i> , 2017 , 42, 4395-4398	3	19
168	Experimental study of chemical durability of fluorozirconate and fluoroindate glasses in deionized water. <i>Optical Materials Express</i> , 2014 , 4, 1213	2.6	19
167	A Neutron and X-ray Diffraction Study of the Structure of Nd Phosphate Glasses. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2001 , 56, 237-243	1.4	19
166	UV radiation effects in fluoride phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996 , 196, 113-117	3.9	19
165	Raman Spectroscopy of Formamidinium-Based Lead Halide Perovskite Single Crystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2265-2272	3.8	19
164	Simultaneous Measurement of Temperature and Refractive Index Using an Exposed Core Microstructured Optical Fiber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-7	3.8	19
163	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. <i>Optical Materials Express</i> , 2015 , 5, 73	2.6	18
162	Novel polymer functionalization method for exposed-core optical fiber. <i>Optical Materials Express</i> , 2014 , 4, 1515	2.6	18
161	Enhanced radiation dosimetry of fluoride phosphate glass optical fibres by terbium (III) doping. <i>Optical Materials Express</i> , 2016 , 6, 3692	2.6	18
160	Single-ring hollow core optical fibers made by glass billet extrusion for Raman sensing. <i>Optics Express</i> , 2016 , 24, 5911-7	3.3	17
159	Miniaturized single-fiber-based needle probe for combined imaging and sensing in deep tissue. <i>Optics Letters</i> , 2018 , 43, 1682-1685	3	17
158	Photoswitchable calcium sensor: On-Off sensing in cells or with microstructured optical fibers. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 965-972	8.5	17
157	Photoinduced electron transfer based ion sensing within an optical fiber. <i>Sensors</i> , 2011 , 11, 9560-72	3.8	17
156	Reduced loss in extruded soft glass microstructured fibre. <i>Electronics Letters</i> , 2007 , 43, 1343	1.1	17
155	Optical fibre turn-on sensor for the detection of mercury based on immobilized fluorophore. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 121, 122-126	4.6	16
154	Drawing tubular fibres: experiments versus mathematical modelling. <i>Optical Materials Express</i> , 2016 , 6, 166	2.6	16
153	Third harmonic generation in exposed-core microstructured optical fibers. <i>Optics Express</i> , 2016 , 24, 17860-7	3.7	15

152	Elliptical pore regularisation of the inverse problem for microstructured optical fibre fabrication. <i>Journal of Fluid Mechanics</i> , 2015 , 778, 5-38	3.7	15
151	Extruded Microstructured Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 578-580	2.2	15
150	Sensing free sulfur dioxide in wine. <i>Sensors</i> , 2012 , 12, 10759-73	3.8	15
149	In Situ Temperature-Compensated DNA Hybridization Detection Using a Dual-Channel Optical Fiber Sensor. <i>Analytical Chemistry</i> , 2021 , 93, 10561-10567	7.8	15
148	Microstructured optical fibre drawing with active channel pressurisation. <i>Journal of Fluid Mechanics</i> , 2015 , 783, 137-165	3.7	14
147	Fabrication of low-loss, small-core exposed core microstructured optical fibers. <i>Optical Materials Express</i> , 2017 , 7, 1496	2.6	14
146	Lanthanide upconversion within microstructured optical fibers: improved detection limits for sensing and the demonstration of a new tool for nanocrystal characterization. <i>Nanoscale</i> , 2012 , 4, 7448-51	3.7	14
145	Properties of Er ³⁺ -doped glasses for waveguide and fiber lasers 2000 ,		14
144	Silk: A bio-derived coating for optical fiber sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127864	8.5	13
143	Effect of surface roughness on metal enhanced fluorescence in planar substrates and optical fibers. <i>Optical Materials Express</i> , 2016 , 6, 2128	2.6	13
142	Transmission loss measurements of plastic scintillating optical fibres. <i>Optical Materials Express</i> , 2019 , 9, 1	2.6	13
141	All-fiber all-optical quantitative polymerase chain reaction (qPCR). <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128681	8.5	13
140	Stability of Grating-Based Optical Fiber Sensors at High Temperature. <i>IEEE Sensors Journal</i> , 2019 , 19, 2978-2983	4	13
139	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. <i>Tetrahedron</i> , 2018 , 74, 1240-1244	2.4	13
138	Ultra-simplified Single-Step Fabrication of Microstructured Optical Fiber. <i>Scientific Reports</i> , 2020 , 10, 9678	4.9	12
137	Optically Stimulated Luminescence in FluoridePhosphate Glass for Radiation Dosimetry. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 474-477	3.8	12
136	Record nonlinearity in optical fibre. <i>Electronics Letters</i> , 2008 , 44, 1453	1.1	12
135	Large-area freestanding gold nanomembranes with nanoholes. <i>Materials Horizons</i> , 2019 , 6, 1005-1012	14.4	12

134	Multiplexed Optical Fiber Biochemical Sensing Using Cascaded C-Shaped Fabry-Berot Interferometers. <i>IEEE Sensors Journal</i> , 2019 , 19, 10425-10431	4	11
133	Towards microstructured optical fibre sensors: surface analysis of silanised lead silicate glass. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6782	7.1	11
132	A Fundamental Study Into the Surface Functionalization of Soft Glass Microstructured Optical Fibers via Silane Coupling Agents. <i>Journal of Lightwave Technology</i> , 2009 , 27, 576-582	4	11
131	MoS ₂ -enhanced epoxy-based plasmonic fiber-optic sensor for selective and sensitive detection of methanol. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127513	8.5	11
130	Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors. <i>Advanced Materials</i> , 2020 , 32, e2003826	24	11
129	Non-silica microstructured optical fibers for mid-IR supercontinuum generation from 2 μ m - 5 μ m 2006 ,		10
128	Compact plasmonic fiber tip for sensitive and fast humidity and human breath monitoring. <i>Optics Letters</i> , 2020 , 45, 985-988	3	10
127	Fluorescent diamond microparticle doped glass fiber for magnetic field sensing. <i>APL Materials</i> , 2020 , 8, 081102	5.7	10
126	Luminescent properties of fluoride phosphate glass for radiation dosimetry. <i>Optical Materials Express</i> , 2013 , 3, 960	2.6	9
125	In-situ DNA detection with an interferometric-type optical sensor based on tapered exposed core microstructured optical fiber. <i>Sensors and Actuators B: Chemical</i> , 2022 , 351, 130942	8.5	9
124	Surface Functionalization of Exposed Core Glass Optical Fiber for Metal Ion Sensing. <i>Sensors</i> , 2019 , 19,	3.8	8
123	An optical fibre sensor for remotely detecting water traces in organic solvents. <i>RSC Advances</i> , 2016 , 6, 82186-82190	3.7	8
122	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. <i>Scientific Reports</i> , 2016 , 6, 21682	4.9	8
121	A Rationally Designed, Spiropyran-Based Chemosensor for Magnesium. <i>Chemosensors</i> , 2018 , 6, 17	4	8
120	Nanofilm-induced spectral tuning of third harmonic generation. <i>Optics Letters</i> , 2017 , 42, 1812-1815	3	8
119	Progress in the Fabrication of the Next-Generation Soft Glass Microstructured Optical Fibers. <i>AIP Conference Proceedings</i> , 2008 ,	0	8
118	Soliton-self-frequency-shift effects and pulse compression in an anomalously dispersive high nonlinearity lead silicate holey fiber 2003 ,		8
117	Multimode exposed core fiber specklegram sensor. <i>Optics Letters</i> , 2020 , 45, 3212-3215	3	8

116	Tunable multi-wavelength third-harmonic generation using exposed-core microstructured optical fiber. <i>Optics Letters</i> , 2019 , 44, 626-629	3	8
115	Sensing in the presence of strong noise by deep learning of dynamic multimode fiber interference. <i>Photonics Research</i> , 2021 , 9, B109	6	8
114	Gravitational extension of a fluid cylinder with internal structure. <i>Journal of Fluid Mechanics</i> , 2016 , 790, 308-338	3.7	8
113	Enhancement of extraordinary optical transmission and sensing performance through coupling between metal nanohole and nanoparticle arrays. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 275201	3	7
112	Electrochemical plasmonic optical fiber probe for real-time insight into coreactant electrochemiluminescence. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128469	8.5	7
111	Chirped pulse amplification in single mode Tm: fiber using a chirped Bragg grating. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 299-304	1.9	7
110	Computational Modeling of Die Swell of Extruded Glass Preforms at High Viscosity. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1572-1581	3.8	7
109	Emerging Nonlinear Optical Fibers: Revised Fundamentals, Fabrication and Access to Extreme Nonlinearity. <i>IEEE Journal of Quantum Electronics</i> , 2009 , 45, 1357-1364	2	7
108	Quantum noise limited nanoparticle detection with exposed-core fiber. <i>Optics Express</i> , 2019 , 27, 18601-18611	3.9	7
107	Microchip and ultra-fast laser inscribed waveguide lasers in Yb ³⁺ +germanate glass. <i>Optical Materials Express</i> , 2019 , 9, 3557	2.6	7
106	Surface Analysis and Treatment of Extruded Fluoride Phosphate Glass Preforms for Optical Fiber Fabrication. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1874-1877	3.8	7
105	Atom-Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. <i>Scientific Reports</i> , 2015 , 5, 11486	4.9	6
104	High stability supercontinuum generation in lead silicate SF57 photonic crystal fibers. <i>Chinese Physics B</i> , 2013 , 22, 014215	1.2	6
103	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. <i>Physical Review Applied</i> , 2015 , 4,	4.3	6
102	Lead silicate microstructured optical fibres for electro-optical applications. <i>Optics Express</i> , 2013 , 21, 31309-31317	3.7	6
101	Relationships between glass structure and spectroscopic properties of Eu ³⁺ and Tb ³⁺ doped glasses. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996 , 100, 1621-1624		6
100	Simultaneous measurement of temperature and relative humidity using cascaded C-shaped Fabry-Perot interferometers. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	6
99	Distributed optical fiber sensing of micron-scale particles. <i>Sensors and Actuators A: Physical</i> , 2020 , 303, 111762	3.9	6

98	Hollow Core Inhibited Coupled Antiresonant Terahertz Fiber: A Numerical and Experimental Study. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021 , 11, 245-260	3.4	6
97	Computational Modeling of Hole Distortion in Extruded Microstructured Optical Fiber Glass Preforms. <i>Journal of Lightwave Technology</i> , 2015 , 33, 424-431	4	5
96	Resonance-Induced Dispersion Tuning for Tailoring Nonsolitonic Radiation via Nanofilms in Exposed Core Fibers. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900418	8.3	5
95	Comparison of surface functionalization processes for optical fibre biosensing applications 2009 ,		5
94	Microwire fibers for low-loss THz transmission 2006 ,		5
93	Soft-glass imaging microstructured optical fibers. <i>Optics Express</i> , 2018 , 26, 33604-33612	3.3	5
92	Development of low-loss lead-germanate glass for mid-infrared fiber optics: II. preform extrusion and fiber fabrication. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 833-850	3.8	5
91	Development of low-loss lead-germanate glass for mid-infrared fiber optics: I. glass preparation optimization. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 860-876	3.8	5
90	Temperature-Compensated Interferometric High-Temperature Pressure Sensor Using a Pure Silica Microstructured Optical Fiber. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-12	5.2	5
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