

Heike Ebendorff-Heidepriem

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

259
papers

6,482
citations

42
h-index

71
g-index

323
ext. papers

7,707
ext. citations

4.2
avg. IF

6.03
L-index

#	Paper	IF	Citations
259	Oxide glass and optical fiber fabrication 2022 , 111-176		
258	Tailored Multi-Color Dispersive Wave Formation in Quasi-Phase-Matched Exposed Core Fibers.. <i>Advanced Science</i> , 2022 , e2103864	13.6	2
257	Plug-in label-free optical fiber DNA hybridization sensor based on C-type fiber Vernier effect. <i>Sensors and Actuators B: Chemical</i> , 2022 , 354, 131212	8.5	4
256	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
255	Real-time Raman analysis of the hydrolysis of formaldehyde oligomers for enhanced collagen fixation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 264, 120285	4.4	0
254	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
253	Extruded suspended core fibers from lanthanum-aluminum-silicate glass. <i>Optical Materials Express</i> , 2021 , 11, 142	2.6	2
252	Controlled delivery of quantum dots using microelectrophoresis technique: Intracellular behavior and preservation of cell viability.. <i>Bioelectrochemistry</i> , 2021 , 144, 108035	5.6	
251	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
250	Single-Step Tabletop Fabrication for Low-Attenuation Terahertz Special Optical Fibers. <i>Advanced Photonics Research</i> , 2021 , 2, 2100165	1.9	0
249	Microfluidic Raman Sensing Using a Single Ring Negative Curvature Hollow Core Fiber. <i>Biosensors</i> , 2021 , 11,	5.9	1
248	Cytoplasmic delivery of quantum dots via microelectrophoresis technique. <i>Electrophoresis</i> , 2021 , 42, 1247-1254	3.6	1
247	Sensing in the presence of strong noise by deep learning of dynamic multimode fiber interference. <i>Photonics Research</i> , 2021 , 9, B109	6	8
246	Preferential coupling of diamond NV centres in step-index fibres. <i>Optics Express</i> , 2021 , 29, 14425-14437	3.3	2
245	Whispering gallery mode excitation using exposed-core fiber. <i>Optics Express</i> , 2021 , 29, 23549-23557	3.3	2
244	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
243	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

242	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
241	. <i>Journal of Lightwave Technology</i> , 2021 , 39, 270-274	4	
240	Longitudinally thickness-controlled nanofilms on exposed core fibres enabling spectrally flattened supercontinuum generation. <i>Light Advanced Manufacturing</i> , 2021 , 2, 1-12	1	1
239	Correction to: Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology. <i>IEEE Access</i> , 2021 , 9, 2705-2705	3.5	
238	Two-dimensional mapping of surface scatterers on an optical fiber core using selective mode launching. <i>APL Photonics</i> , 2021 , 6, 026105	5.2	1
237	Investigation of oversized channels in tubular fibre drawing. <i>Optical Materials Express</i> , 2021 , 11, 905	2.6	0
236	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
235	Exposed-core fiber multimode interference sensor. <i>Results in Optics</i> , 2021 , 5, 100125	1	3
234	Mechanistic insight into the non-hydrolytic sol-gel process of tellurite glass films to attain a high transmission.. <i>RSC Advances</i> , 2020 , 10, 2404-2415	3.7	1
233	Ultra-simplified Single-Step Fabrication of Microstructured Optical Fiber. <i>Scientific Reports</i> , 2020 , 10, 9678	4.9	12
232	Temperature-Compensated Refractive Index Measurement Using a Dual Fabry-Perot Interferometer Based on C-Fiber Cavity. <i>IEEE Sensors Journal</i> , 2020 , 20, 6408-6413	4	26
231	Palladium speciation in UV-transparent glasses. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4214-4223	3.4	3
230	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
229	Resist-free nanoimprinting on optical fibers for plasmonic optrodes. <i>Applied Materials Today</i> , 2020 , 20, 100751	6.6	4
228	Flexible Plasmonic Tapes with Nanohole and Nanoparticle Arrays for Refractometric and Strain Sensing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8242-8246	5.6	3
227	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
226	Silk: A bio-derived coating for optical fiber sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127864	8.5	13
225	Field Deployable Method for Gold Detection Using Gold Pre-Concentration on Functionalized Surfaces. <i>Sensors</i> , 2020 , 20,	3.8	1

224	A Multiplexed Microfluidic Platform toward Interrogating Endocrine Function: Simultaneous Sensing of Extracellular Ca and Hormone. <i>ACS Sensors</i> , 2020 , 5, 490-499	9.2	2
223	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
222	Compact plasmonic fiber tip for sensitive and fast humidity and human breath monitoring. <i>Optics Letters</i> , 2020 , 45, 985-988	3	10
221	Multimode exposed core fiber specklegram sensor. <i>Optics Letters</i> , 2020 , 45, 3212-3215	3	8
220	Spectroscopic analysis and laser simulations of Yb ³⁺ /Ho ³⁺ co-doped lead-germanate glass. <i>Optical Materials Express</i> , 2020 , 10, 2819	2.6	4
219	Freestanding metal nanohole array for high-performance applications. <i>Photonics Research</i> , 2020 , 8, 17496		3
218	Single-peak fiber Bragg gratings in suspended-core optical fibers. <i>Optics Express</i> , 2020 , 28, 23354-23362	3.3	0
217	Development of innovative tools for investigation of nutrient-gut interaction. <i>World Journal of Gastroenterology</i> , 2020 , 26, 3562-3576	5.6	2
216	Realization of a Single-Layer Terahertz Magnetic Mirror. <i>IEEE Access</i> , 2020 , 8, 229108-229116	3.5	0
215	A Fibre-Optic Platform for Sensing Nitrate Using Conducting Polymers. <i>Sensors</i> , 2020 , 21,	3.8	2
214	Raman Spectroscopy of Formamidinium-Based Lead Halide Perovskite Single Crystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2265-2272	3.8	19
213	A carbon-nanofiber glass composite with high electrical conductivity. <i>International Journal of Applied Glass Science</i> , 2020 , 11, 590-600	1.8	0
212	Distributed optical fiber sensing of micron-scale particles. <i>Sensors and Actuators A: Physical</i> , 2020 , 303, 111762	3.9	6
211	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
210	Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors. <i>Advanced Materials</i> , 2020 , 32, e2003826	24	11
209	Integrated Photonics: Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors (Adv. Mater. 47/2020). <i>Advanced Materials</i> , 2020 , 32, 2070354	24	
208	Fluorescent diamond microparticle doped glass fiber for magnetic field sensing. <i>APL Materials</i> , 2020 , 8, 081102	5.7	10
207	Wet chemical etching of single-bore microstructured silicon dioxide fibers. <i>Physics of Fluids</i> , 2020 , 32, 073314	4.4	1

206	All-fiber all-optical quantitative polymerase chain reaction (qPCR). <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128681	8.5	13
205	Dynamic in vivo protein carbonyl biosensor for measuring oxidative stress. <i>Medical Devices & Sensors</i> , 2020 , 3, e10135	1.6	
204	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
203	Surface Functionalization of Exposed Core Glass Optical Fiber for Metal Ion Sensing. <i>Sensors</i> , 2019 , 19,	3.8	8
202	A fibre optic based approach and device for sensing beta radiation in liquids. <i>Sensors and Actuators A: Physical</i> , 2019 , 296, 101-109	3.9	2
201	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
200	Can We Fabricate That Fibre?. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2019 , 1-13	0.3	
199	. <i>Journal of Lightwave Technology</i> , 2019 , 1-1	4	19
198	Short-Range Non-Bending Fully Distributed Water/Humidity Sensors. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2014-2022	4	3
197	Luminescence effects in reactive powder sintered silica glasses for radiation sensing. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 222-238	3.8	3
196	Optical Fiber Materials: feature introduction. <i>Optical Materials Express</i> , 2019 , 9, 3565	2.6	1
195	Recent Advances in Hybrid Optical Materials: Integrating Nanoparticles within a Glass Matrix. <i>Advanced Optical Materials</i> , 2019 , 7, 1900702	8.1	45
194	Multiplexed Optical Fiber Biochemical Sensing Using Cascaded C-Shaped FabryPerot Interferometers. <i>IEEE Sensors Journal</i> , 2019 , 19, 10425-10431	4	11
193	Light induced degradation in mixed-halide perovskites. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9326-9334	3.4	37
192	Nano-mechanical Characterization of SLM-Fabricated Ti6Al4V Alloy: Etching and Precision. <i>Metallography, Microstructure, and Analysis</i> , 2019 , 8, 749-756	1.1	1
191	Reusable polymer optical fiber strain sensor with memory capability based on ABS crazing. <i>Applied Optics</i> , 2019 , 58, 9870-9875	1.7	2
190	Quantum noise limited nanoparticle detection with exposed-core fiber. <i>Optics Express</i> , 2019 , 27, 18601-18611	3.9	7
189	Tunable multi-wavelength third-harmonic generation using exposed-core microstructured optical fiber. <i>Optics Letters</i> , 2019 , 44, 626-629	3	8

188	Transmission loss measurements of plastic scintillating optical fibres. <i>Optical Materials Express</i> , 2019 , 9, 1	2.6	13
187	Microchip and ultra-fast laser inscribed waveguide lasers in Yb ³⁺ -germanate glass. <i>Optical Materials Express</i> , 2019 , 9, 3557	2.6	7
186	Towards new fiber optic sensors based on the vapor deposited conducting polymer PEDOT:Tos. <i>Optical Materials Express</i> , 2019 , 9, 4517	2.6	2
185	Effects of pressurization and surface tension on drawing Ge-Sb-Se chalcogenide glass suspended-core fiber. <i>Optical Materials Express</i> , 2019 , 9, 1933	2.6	1
184	Modal interferometric refractive index sensing in microstructured exposed core fibres. <i>Optics Express</i> , 2019 , 27, 36269-36275	3.3	1
183	Large-area freestanding gold nanomembranes with nanoholes. <i>Materials Horizons</i> , 2019 , 6, 1005-1012	14.4	12
182	Stability of Grating-Based Optical Fiber Sensors at High Temperature. <i>IEEE Sensors Journal</i> , 2019 , 19, 2978-2983	4	13
181	High precision extrusion of glass tubes. <i>International Journal of Applied Glass Science</i> , 2019 , 10, 172-180	1.8	2
180	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
179	Enhanced terahertz magnetic dipole response by subwavelength fiber. <i>APL Photonics</i> , 2018 , 3, 051701	5.2	4
178	Magnetically sensitive nanodiamond-doped tellurite glass fibers. <i>Scientific Reports</i> , 2018 , 8, 1268	4.9	31
177	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
176	Highly birefringent elliptical core photonic crystal fiber for terahertz application. <i>Optics Communications</i> , 2018 , 407, 92-96	2	56
175	Towards rewritable multilevel optical data storage in single nanocrystals. <i>Optics Express</i> , 2018 , 26, 12266-3	5.3	23
174	Light-controllable fiber interferometer utilizing photoexcitation dynamics in colloidal quantum dot. <i>Optics Express</i> , 2018 , 26, 3903-3914	3.3	3
173	Miniaturized single-fiber-based needle probe for combined imaging and sensing in deep tissue. <i>Optics Letters</i> , 2018 , 43, 1682-1685	3	17
172	A Rationally Designed, Spiropyran-Based Chemosensor for Magnesium. <i>Chemosensors</i> , 2018 , 6, 17	4	8
171	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

170	Focussed electron beam induced deposition of platinum plasmonic antennae 2018 ,		1
169	Dual-polarized highly sensitive plasmonic sensor in the visible to near-IR spectrum. <i>Optics Express</i> , 2018 , 26, 30347-30361	3.3	99
168	A six-strut suspended core fiber for cylindrical vector mode generation and propagation. <i>Optics Express</i> , 2018 , 26, 32037-32047	3.3	1
167	Soft-glass imaging microstructured optical fibers. <i>Optics Express</i> , 2018 , 26, 33604-33612	3.3	5
166	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. <i>Tetrahedron</i> , 2018 , 74, 1240-1244	2.4	13
165	Control of Molecular Recognition via Modulation of the Nanoenvironment. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41866-41870	9.5	4
164	Perspective: Biomedical sensing and imaging with optical fibers Innovation through convergence of science disciplines. <i>APL Photonics</i> , 2018 , 3, 100902	5.2	22
163	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
162	Extrusion of fluid cylinders of arbitrary shape with surface tension and gravity. <i>Journal of Fluid Mechanics</i> , 2017 , 810, 127-154	3.7	2
161	Localized surface plasmon resonance sensing structure based on gold nanohole array on beveled fiber edge. <i>Nanotechnology</i> , 2017 , 28, 435504	3.4	24
160	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
159	Wavelength shifted third harmonic generation in an exposed-core microstructured optical fiber 2017 ,		1
158	Nanofilm-induced spectral tuning of third harmonic generation. <i>Optics Letters</i> , 2017 , 42, 1812-1815	3	8
157	Plasmonic nanoparticle-functionalized exposed-core fiber-an optofluidic refractive index sensing platform. <i>Optics Letters</i> , 2017 , 42, 4395-4398	3	19
156	Mid-infrared astrophotonics: study of ultrafast laser induced index change in compatible materials. <i>Optical Materials Express</i> , 2017 , 7, 698	2.6	27
155	Fabrication of low-loss, small-core exposed core microstructured optical fibers. <i>Optical Materials Express</i> , 2017 , 7, 1496	2.6	14
154	Glass and Process Development for the Next Generation of Optical Fibers: A Review. <i>Fibers</i> , 2017 , 5, 11	3.7	32
153	Electro-holographic display using a ZBLAN glass as the image space. <i>Optics Letters</i> , 2017 , 42, 1317-1320	3	1

152	Third harmonic generation in exposed-core microstructured optical fibers. <i>Optics Express</i> , 2016 , 24, 17860-17867	3.7	15
151	An optical fibre sensor for remotely detecting water traces in organic solvents. <i>RSC Advances</i> , 2016 , 6, 82186-82190	3.7	8
150	Analysis of 3D-printed metal for rapid-prototyped reflective terahertz optics. <i>Optics Express</i> , 2016 , 24, 17384-96	3.3	21
149	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
148	Online remote monitoring of explosives by optical fibres. <i>RSC Advances</i> , 2016 , 6, 103324-103327	3.7	2
147	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. <i>Scientific Reports</i> , 2016 , 6, 21682	4.9	8
146	Suspended Core Fibers for the Transmission of Cylindrical Vector Modes. <i>Journal of Lightwave Technology</i> , 2016 , 34, 5620-5626	4	3
145	Fiber optic approach for detecting corrosion 2016 ,		2
144	Temperature sensing up to 1300°C using suspended-core microstructured optical fibers. <i>Optics Express</i> , 2016 , 24, 3714-9	3.3	37
143	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
142	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
141	Plasmonic Fiber Optic Refractometric Sensors: From Conventional Architectures to Recent Design Trends. <i>Sensors</i> , 2016 , 17,	3.8	108
140	Asymptotic Modelling of a Six-Hole MOF. <i>Journal of Lightwave Technology</i> , 2016 , 34, 5651-5656	4	4
139	Upconversion Nanocrystals Doped Glass: A New Paradigm for Integrated Optical Glass 2016 ,		1
138	Drawing tubular fibres: experiments versus mathematical modelling. <i>Optical Materials Express</i> , 2016 , 6, 166	2.6	16
137	Enhanced radiation dosimetry of fluoride phosphate glass optical fibres by terbium (III) doping. <i>Optical Materials Express</i> , 2016 , 6, 3692	2.6	18
136	Upconversion Nanocrystal-Doped Glass: A New Paradigm for Photonic Materials. <i>Advanced Optical Materials</i> , 2016 , 4, 1507-1517	8.1	57
135	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

134	Gravitational extension of a fluid cylinder with internal structure. <i>Journal of Fluid Mechanics</i> , 2016 , 790, 308-338	3.7	8
133	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
132	Interferometric high temperature sensor using suspended-core optical fibers. <i>Optics Express</i> , 2016 , 24, 8967-77	3.3	43
131	Quasiperiodic Nanohole Arrays on Optical Fibers as Plasmonic Sensors: Fabrication and Sensitivity Determination. <i>ACS Sensors</i> , 2016 , 1, 1078-1083	9.2	25
130	Atom-Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. <i>Scientific Reports</i> , 2015 , 5, 11486	4.9	6
129	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. <i>Optical Materials Express</i> , 2015 , 5, 73	2.6	18
128	Infrared fibers. <i>Advances in Optics and Photonics</i> , 2015 , 7, 379	16.7	197
127	Computational Modeling of Hole Distortion in Extruded Microstructured Optical Fiber Glass Preforms. <i>Journal of Lightwave Technology</i> , 2015 , 33, 424-431	4	5
126	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
125	Microstructured optical fibre drawing with active channel pressurisation. <i>Journal of Fluid Mechanics</i> , 2015 , 783, 137-165	3.7	14
124	Taming the Light in Microstructured Optical Fibers for Sensing. <i>International Journal of Applied Glass Science</i> , 2015 , 6, 229-239	1.8	29
123	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. <i>Physical Review Applied</i> , 2015 , 4,	4.3	6
122	Surface Plasmon Scattering in Exposed Core Optical Fiber for Enhanced Resolution Refractive Index Sensing. <i>Sensors</i> , 2015 , 15, 25090-102	3.8	66
121	Drawing of micro-structured fibres: circular and non-circular tubes. <i>Journal of Fluid Mechanics</i> , 2014 , 755, 176-203	3.7	27
120	Experimental study of chemical durability of fluorozirconate and fluoroindate glasses in deionized water. <i>Optical Materials Express</i> , 2014 , 4, 1213	2.6	19
119	3D-printed extrusion dies: a versatile approach to optical material processing. <i>Optical Materials Express</i> , 2014 , 4, 1494	2.6	81
118	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. <i>Optical Materials Express</i> , 2014 , 4, 2608	2.6	20
117	Tellurite microspheres for nanoparticle sensing and novel light sources. <i>Optics Express</i> , 2014 , 22, 11995-3006	3.9	25

116	Predicting the drawing conditions for Microstructured Optical Fiber fabrication. <i>Optical Materials Express</i> , 2014 , 4, 29	2.6	40
115	Novel polymer functionalization method for exposed-core optical fiber. <i>Optical Materials Express</i> , 2014 , 4, 1515	2.6	18
114	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
113	Functionalization of exposed core fibers with multiligand binding molecules for fluorescence based ion sensing 2014 ,		1
112	High stability supercontinuum generation in lead silicate SF57 photonic crystal fibers. <i>Chinese Physics B</i> , 2013 , 22, 014215	1.2	6
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	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
109	Optical Fibres for Distributed Corrosion Sensing - Architecture and Characterisation. <i>Key Engineering Materials</i> , 2013 , 558, 522-533	0.4	4
108	Lead silicate microstructured optical fibres for electro-optical applications. <i>Optics Express</i> , 2013 , 21, 31309-17	3.9	6
107	Efficient 2.9 Th fluorozirconate glass waveguide chip laser. <i>Optics Letters</i> , 2013 , 38, 2588-91	3	29
106	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
105	Fabrication of extruded fluoroindate optical fibers. <i>Optical Materials Express</i> , 2013 , 3, 318	2.6	25
104	Femtosecond laser induced structural changes in fluorozirconate glass. <i>Optical Materials Express</i> , 2013 , 3, 574	2.6	26
103	Luminescent properties of fluoride phosphate glass for radiation dosimetry. <i>Optical Materials Express</i> , 2013 , 3, 960	2.6	9
102	Reduction of scattering loss in fluoroindate glass fibers. <i>Optical Materials Express</i> , 2013 , 3, 1285	2.6	23
101	Ultrafast laser inscribed 3D integrated photonics 2013 ,		1
100	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	7.7	14
99	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

98	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
97	Extruded Microstructured Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 578-580	2.2	15
96	Sensing free sulfur dioxide in wine. <i>Sensors</i> , 2012 , 12, 10759-73	3.8	15
95	Femtosecond laser direct-written microstructured waveguides in passive as well as in novel active glasses 2012 ,		1
94	Versatile large-mode-area femtosecond laser-written Tm:ZBLAN glass chip lasers. <i>Optics Express</i> , 2012 , 20, 27503-9	3.3	41
93	Ternary tellurite glasses for the fabrication of nonlinear optical fibres. <i>Optical Materials Express</i> , 2012 , 2, 140	2.6	82
92	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
91	Radiation dosimetry using optically stimulated luminescence in fluoride phosphate optical fibres. <i>Optical Materials Express</i> , 2012 , 2, 62	2.6	29
90	Analysis of glass flow during extrusion of optical fiber preforms. <i>Optical Materials Express</i> , 2012 , 2, 304	2.6	28
89	Extruded tellurite glass and fibers with low OH content for mid-infrared applications. <i>Optical Materials Express</i> , 2012 , 2, 432	2.6	59
88	Luminescence from bismuth-germanate glasses and its manipulation through oxidants. <i>Optical Materials Express</i> , 2012 , 2, 1320	2.6	31
87	Silica exposed-core microstructured optical fibers. <i>Optical Materials Express</i> , 2012 , 2, 1538	2.6	65
86	Lanthanide upconversion nanocrystals within microstructured optical fibres; a sensitive platform for biosensing and a new tool for nanocrystal characterisation 2012 ,		1
85	Photoinduced electron transfer based ion sensing within an optical fiber. <i>Sensors</i> , 2011 , 11, 9560-72	3.8	17
84	Midinfrared optical rogue waves in soft glass photonic crystal fiber. <i>Optics Express</i> , 2011 , 19, 17973-8	3.3	23
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