Heike Ebendorff-Heidepriem

List of Publications by Year
in descending order

317 papers	8,691 citations	44069 48 h-index	58581 82 g-index
323 all docs	323 docs citations	323 times ranked	6359 citing authors

#	Article	IF	Citations
1	Infrared fibers. Advances in Optics and Photonics, 2015, 7, 379.	25.5	274
2	Bismuth glass holey fibers with high nonlinearity. Optics Express, 2004, 12, 5082.	3.4	234
3	THz porous fibers: design, fabrication and experimental characterization. Optics Express, 2009, 17, 14053.	3.4	222
4	Effect of glass composition on Juddâ€“Ofelt parameters and radiative decay rates of Er3+ in fluoride phosphate and phosphate glasses. Journal of Non-Crystalline Solids, 1998, 240, 66-78.	3.1	197
5	Formation and UV absorption of cerium, europium and terbium ions in different valencies in glasses. Optical Materials, 2000, 15, 7-25.	3.6	197
6	Extrusion of complex preforms for microstructured optical fibers. Optics Express, 2007, 15, 15086.	3.4	195
7	Spectroscopic and lasing properties of Er3+:Yb3+-doped fluoride phosphate glasses. Applied Physics B: Lasers and Optics, 2001, 72, 399-405.	2.2	188
8	Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 738-749.	2.9	181
9	Plasmonic Fiber Optic Refractometric Sensors: From Conventional Architectures to Recent Design Trends. Sensors, 2017, 17, 12.	3.8	175
10	Highly nonlinear and anomalously dispersive lead silicate glass holey fibers. Optics Express, 2003, 11, 3568.	3.4	165
11	Sensing with suspended-core optical fibers. Optical Fiber Technology, 2010, 16, 343-356.	2.7	165
12	PROGRESS IN MICROSTRUCTURED OPTICAL FIBERS. Annual Review of Materials Research, 2006, 36, 467-495.	9.3	159
13	Spectroscopic properties of Eu3+ and Tb3+ ions for local structure investigations of fluoride phosphate and phosphate glasses. Journal of Non-Crystalline Solids, 1996, 208, 205-216.	3.1	149
14	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. Sensors and Actuators B: Chemical, 2016, 227, 117-127.	7.8	148
15	Dual-polarized highly sensitive plasmonic sensor in the visible to near-IR spectrum. Optics Express, 2018, 26, 30347.	3.4	148
16	Suspended nanowires: fabrication, design and characterization of fibers with nanoscale cores. Optics Express, 2009, 17, 2646.	3.4	138
17	Fifty percent internal slope efficiency femtosecond direct-written Tm^3+:ZBLAN waveguide laser. Optics Letters, 2011, 36, 1587.	3.3	124
18	High-nonlinearity dispersion-shifted lead-silicate holey fibers for efficient 1-/spl mu/m pumped supercontinuum generation. Journal of Lightwave Technology, 2006, 24, 183-190.	4.6	120

#	ARTICLE	IF	CITATIONS
19	3D-printed extrusion dies: a versatile approach to optical material processing. Optical Materials Express, 2014, 4, 1494.	3.0	120
20	Ternary tellurite glasses for the fabrication of nonlinear optical fibres. Optical Materials Express, 2012, 2, 140.	3.0	103
21	Dehydration of phosphate glasses. Journal of Non-Crystalline Solids, 1993, 163, 74-80.	3.1	96
22	Chemical Deposition of Silver for the Fabrication of Surface Plasmon Microstructured Optical Fibre Sensors. Plasmonics, 2011, 6, 133-136.	3.4	92
23	Exposed-core microstructured optical fibers for real-time fluorescence sensing. Optics Express, 2009, 17, 18533.	3.4	88
24	High-sensitivity Sagnac-interferometer biosensor based on exposed core microstructured optical fiber. Sensors and Actuators B: Chemical, 2018, 269, 103-109.	7.8	88
25	Detection of quantum-dot labelled proteins using soft glass microstructured optical fibers. Optics Express, 2007, 15, 17819.	3.4	85
26	Diamond in Tellurite Glass: a New Medium for Quantum Information. Advanced Materials, 2011, 23, 2806-2810.	21.0	82
27	Surface Plasmon Scattering in Exposed Core Optical Fiber for Enhanced Resolution Refractive Index Sensing. Sensors, 2015, 15, 25090-25102.	3.8	82
28	Spectroscopic and laser properties of Ce3+î—¸Cr3+î—¸Nd3+ co-doped fluoride phosphate and phosphate glasses. Journal of Non-Crystalline Solids, 1994, 171, 94-104.	3.1	77
29	Recent Advances in Hybrid Optical Materials: Integrating Nanoparticles within a Glass Matrix. Advanced Optical Materials, 2019, 7, 1900702.	7.3	77
30	Silica exposed-core microstructured optical fibers. Optical Materials Express, 2012, 2, 1538.	3.0	76
31	Highly birefringent elliptical core photonic crystal fiber for terahertz application. Optics Communications, 2018, 407, 92-96.	2.1	76
32	Upconversion Nanocrystalâ€Doped Glass: A New Paradigm for Photonic Materials. Advanced Optical Materials, 2016, 4, 1507-1517.	7.3	75
33	Spectroscopic properties of Nd3+ ions in phoshate glasses. Journal of Non-Crystalline Solids, 1995, 183, 191-200.	3.1	74
34	Tb3+ fâ€“d absorption as indicator of the effect of covalency on the Juddâ€“Ofelt Î©2 parameter in glasses. Journal of Non-Crystalline Solids, 1999, 248, 247-252.	3.1	74
35	Small core optical waveguides are more nonlinear than expected: experimental confirmation. Optics Letters, 2009, 34, 3577.	3.3	69
36	Fluorescence-Based Aluminum Ion Sensing Using a Surface-Functionalized Microstructured Optical Fiber. Langmuir, 2011, 27, 5680-5685.	3.5	69

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37	Extruded tellurite glass and fibers with low OH content for mid-infrared applications. Optical Materials Express, 2012, 2, 432.	3.0	69
38	Lead-germanate glasses and fibers: a practical alternative to tellurite for nonlinear fiber applications. Optical Materials Express, 2013, 3, 1488.	3.0	68
39	Light induced degradation in mixed-halide perovskites. Journal of Materials Chemistry C, 2019, 7, 9326-9334.	5.5	67
40	Antibody immobilization within glass microstructured fibers: a route to sensitive and selective biosensors. Optics Express, 2008, 16, 18514.	3.4	64
41	Energy level decay and excited state absorption processes in erbium-doped tellurite glass. Journal of Applied Physics, 2011, 110, .	2.5	63
42	Interferometric high temperature sensor using suspended-core optical fibers. Optics Express, 2016, 24, 8967.	3.4	61
43	Fluoride glass microstructured optical fiber with large mode area and mid-infrared transmission. Optics Letters, 2008, 33, 2861.	3.3	58
44	Versatile large-mode-area femtosecond laser-written Tm:ZBLAN glass chip lasers. Optics Express, 2012, 20, 27503.	3.4	56
45	Temperature sensing up to 1300Â°C using suspended-core microstructured optical fibers. Optics Express, 2016, 24, 3714.	3.4	56
46	Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology. IEEE Access, 2020, 8, 97204-97214.	4.2	56
47	An optical fibre-based sensor for the detection of gaseous ammonia with methylammonium lead halide perovskite. Journal of Materials Chemistry C, 2018, 6, 6988-6995.	5.5	54
48	In Situ Temperature-Compensated DNA Hybridization Detection Using a Dual-Channel Optical Fiber Sensor. Analytical Chemistry, 2021, 93, 10561-10567.	6.5	51
49	Glass and Process Development for the Next Generation of Optical Fibers: A Review. Fibers, 2017, 5, 11.	4.0	50
50	Laser writing of waveguides in photosensitive glasses. Optical Materials, 2004, 25, 109-115.	3.6	48
51	Ultrafast Laser Inscription in Soft Glasses: A Comparative Study of Athermal and Thermal Processing Regimes for Guided Wave Optics. International Journal of Applied Glass Science, 2012, 3, 332-348.	2.0	48
52	21 Î¼m waveguide laser fabricated by femtosecond laser direct-writing in Ho^3+, Tm^3+:ZBLAN glass. Optics Letters, 2012, 37, 996.	3.3	47
53	Energy transfer and upconversion in erbiumâ€“ytterbium-doped fluoride phosphate glasses. Applied Physics B: Lasers and Optics, 2002, 74, 233-236.	2.2	46
54	Index matching between passive and active tellurite glasses for use in microstructured fiber lasers: Erbium doped lanthanum-tellurite glass. Optics Express, 2009, 17, 15578.	3.4	46

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55	Thulium pumped high power supercontinuum in loss-determined optimum lengths of tellurite photonic crystal fiber. Applied Physics Letters, 2010, 97, 061106.	3.3	46
56	Electron spin resonance spectra of Eu2+and Tb4+ions in glasses. Journal of Physics Condensed Matter, 1999, 11, 7627-7634.	1.8	45
57	Diode-pumped erbium-ytterbium-glass laser passively Q-switched with a PbS semiconductor quantum-dot doped glass. Applied Physics B: Lasers and Optics, 2001, 72, 175-178.	2.2	44
58	Predicting the drawing conditions for Microstructured Optical Fiber fabrication. Optical Materials Express, 2014, 4, 29.	3.0	44
59	Magnetically sensitive nanodiamond-doped tellurite glass fibers. Scientific Reports, 2018, 8, 1268.	3.3	44
60	Raman Spectroscopy of Formamidinium-Based Lead Halide Perovskite Single Crystals. Journal of Physical Chemistry C, 2020, 124, 2265-2272.	3.1	44
61	Light confinement within nanoholes in nanostructured optical fibers. Optics Express, 2010, 18, 26018.	3.4	42
62	Sensing in the presence of strong noise by deep learning of dynamic multimode fiber interference. Photonics Research, 2021, 9, B109.	7.0	42
63	Efficient 29Âμm fluorozirconate glass waveguide chip laser. Optics Letters, 2013, 38, 2588.	3.3	40
64	Mid-infrared astrophotonics: study of ultrafast laser induced index change in compatible materials. Optical Materials Express, 2017, 7, 698.	3.0	40
65	Luminescence from bismuth-germanate glasses and its manipulation through oxidants. Optical Materials Express, 2012, 2, 1320.	3.0	39
66	Nitric oxide optical fiber sensor based on exposed core fibers and CdTe/CdS quantum dots. Sensors and Actuators B: Chemical, 2018, 273, 9-17.	7.8	39
67	Towards rewritable multilevel optical data storage in single nanocrystals. Optics Express, 2018, 26, 12266.	3.4	38
68	Temperature-Compensated Refractive Index Measurement Using a Dual Fabryâ€"Perot Interferometer Based on C-Fiber Cavity. IEEE Sensors Journal, 2020, 20, 6408-6413.	4.7	37
69	In-situ DNA detection with an interferometric-type optical sensor based on tapered exposed core microstructured optical fiber. Sensors and Actuators B: Chemical, 2022, 351, 130942.	7.8	37
70	Fabrication and supercontinuum generation in dispersion flattened bismuth microstructured optical fiber. Optics Express, 2011, 19, 21135.	3.4	36
71	Surface tension and viscosity measurement of optical glasses using a scanning CO_2 laser. Optical Materials Express, 2012, 2, 1101.	3.0	36
72	Extruded high-NA microstructured polymer optical fibre. Optics Communications, 2007, 273, 133-137.	2.1	35

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73	Taming the Light in Microstructured Optical Fibers for Sensing. International Journal of Applied Glass Science, 2015, 6, 229-239.	2.0	35
74	Quasiperiodic Nanohole Arrays on Optical Fibers as Plasmonic Sensors: Fabrication and Sensitivity Determination. ACS Sensors, 2016, 1, 1078-1083.	7.8	35
75	Cleaving of Extremely Porous Polymer Fibers. IEEE Photonics Journal, 2009, 1, 286-292.	2.0	34
76	Radiation dosimetry using optically stimulated luminescence in fluoride phosphate optical fibres. Optical Materials Express, 2012, 2, 62.	3.0	34
77	Simultaneous Measurement of Temperature and Refractive Index Using an Exposed Core Microstructured Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	2.9	34
78	Femtosecond laser induced structural changes in fluorozirconate glass. Optical Materials Express, 2013, 3, 574.	3.0	33
79	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. Optical Materials Express, 2015, 5, 73.	3.0	33
80	Localized surface plasmon resonance sensing structure based on gold nanohole array on beveled fiber edge. Nanotechnology, 2017, 28, 435504.	2.6	33
81	Experimental study of chemical durability of fluorozirconate and fluoroindate glasses in deionized water. Optical Materials Express, 2014, 4, 1213.	3.0	32
82	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. ACS Applied Materials & Interfaces, 2016, 8, 12727-12732.	8.0	32
83	Driving down the Detection Limit in Microstructured Fiberâ€'Based Chemical Dip Sensors. Sensors, 2011, 11, 2961-2971.	3.8	31
84	Analysis of glass flow during extrusion of optical fiber preforms. Optical Materials Express, 2012, 2, 304.	3.0	31
85	Drawing of micro-structured fibres: circular and non-circular tubes. Journal of Fluid Mechanics, 2014, 755, 176-203.	3.4	31
86	Perspective: Biomedical sensing and imaging with optical fibersâ€"Innovation through convergence of science disciplines. APL Photonics, 2018, 3, .	5.7	31
87	Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors. Advanced Materials, 2020, 32, e2003826.	21.0	31
88	Effect of Tb3+ ions on X-ray-induced defect formation in phosphate containing glasses. Optical Materials, 2002, 18, 419-430.	3.6	30
89	Fabrication of extruded fluoroindate optical fibers. Optical Materials Express, 2013, 3, 318.	3.0	30
90	Multimode exposed core fiber specklegram sensor. Optics Letters, 2020, 45, 3212.	3.3	30

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91	<title>Spectroscopic properties of rare-earth ions in heavy metal oxide and phosphate-containing glasses</title>. , 1999, 3622, 19.		29
92	Crystallization behavior and spectroscopic properties of Ho3+-doped ZBYA-fluoride glass. Optical Materials, 2000, 14, 127-136.	3.6	29
93	Midinfrared optical rogue waves in soft glass photonic crystal fiber. Optics Express, 2011, 19, 17973.	3.4	29
94	Tellurite microspheres for nanoparticle sensing and novel light sources. Optics Express, 2014, 22, 11995.	3.4	29
95	Effect of europium ions on X-ray-induced defect formation in phosphate containing glasses. Optical Materials, 2002, 19, 351-363.	3.6	28
96	Optical fiber refractive index sensor with low detection limit and large dynamic range using a hybrid fiber interferometer. Journal of Lightwave Technology, 2019, , 1-1.	4.6	28
97	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. Optical Materials Express, 2014, 4, 2608.	3.0	27
98	Miniaturized single-fiber-based needle probe for combined imaging and sensing in deep tissue. Optics Letters, 2018, 43, 1682.	3.3	27
99	All-fiber all-optical quantitative polymerase chain reaction (qPCR). Sensors and Actuators B: Chemical, 2020, 323, 128681.	7.8	27
100	Ultra-simplified Single-Step Fabrication of Microstructured Optical Fiber. Scientific Reports, 2020, 10, 9678.	3.3	27
101	Sensing Free Sulfur Dioxide in Wine. Sensors, 2012, 12, 10759-10773.	3.8	26
102	Reduction of scattering loss in fluoroindate glass fibers. Optical Materials Express, 2013, 3, 1285.	3.0	26
103	Stability of Grating-Based Optical Fiber Sensors at High Temperature. IEEE Sensors Journal, 2019, 19, 2978-2983.	4.7	26
104	Plug-in label-free optical fiber DNA hybridization sensor based on C-type fiber Vernier effect. Sensors and Actuators B: Chemical, 2022, 354, 131212.	7.8	26
105	Reduced loss in extruded soft glass microstructured fibre. Electronics Letters, 2007, 43, 1343.	1.0	24
106	Analysis of 3D-printed metal for rapid-prototyped reflective terahertz optics. Optics Express, 2016, 24, 17384.	3.4	24
107	Fluorescent diamond microparticle doped glass fiber for magnetic field sensing. APL Materials, 2020, 8, .	5.1	24
108	Silk: A bio-derived coating for optical fiber sensing applications. Sensors and Actuators B: Chemical, 2020, 311, 127864.	7.8	24

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109	Hollow Core Inhibited Coupled Antiresonant Terahertz Fiber: A Numerical and Experimental Study. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 245-260.	3.1	24
110	Simultaneous Measurement of Temperature and Relative Humidity Using Cascaded C-shaped Fabry-Perot interferometers. Journal of Lightwave Technology, 2022, 40, 1209-1215.	4.6	24
111	Photoinduced Electron Transfer Based Ion Sensing within an Optical Fiber. Sensors, 2011, 11, 9560-9572.	3.8	23
112	Enhanced radiation dosimetry of fluoride phosphate glass optical fibres by terbium (III) doping. Optical Materials Express, 2016, 6, 3692.	3.0	23
113	UV radiation effects in fluoride phosphate glasses. Journal of Non-Crystalline Solids, 1996, 196, 113-117.	3.1	22
114	Plasmonic nanoparticle-functionalized exposed-core fiberâ€"an optofluidic refractive index sensing platform. Optics Letters, 2017, 42, 4395.	3.3	22
115	Drawing tubular fibres: experiments versus mathematical modelling. Optical Materials Express, 2016, 6, 166.	3.0	21
116	Single-ring hollow core optical fibers made by glass billet extrusion for Raman sensing. Optics Express, 2016, 24, 5911.	3.4	21
117	A Neutron and X-ray Diffraction Study of the Structure of Nd Phosphate Glasses. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2001, 56, 237-243.	1.5	20
118	Record nonlinearity in optical fibre. Electronics Letters, 2008, 44, 1453.	1.0	20
119	Extruded Microstructured Fiber Lasers. IEEE Photonics Technology Letters, 2012, 24, 578-580.	2.5	20
120	Novel polymer functionalization method for exposed-core optical fiber. Optical Materials Express, 2014, 4, 1515.	3.0	20
121	Elliptical pore regularisation of the inverse problem for microstructured optical fibreÂfabrication. Journal of Fluid Mechanics, 2015, 778, 5-38.	3.4	20
122	Effect of surface roughness on metal enhanced fluorescence in planar substrates and optical fibers. Optical Materials Express, 2016, 6, 2128.	3.0	20
123	Optical fibre turn-on sensor for the detection of mercury based on immobilized fluorophore. Measurement: Journal of the International Measurement Confederation, 2018, 121, 122-126.	5.0	20
124	MoS2-enhanced epoxy-based plasmonic fiber-optic sensor for selective and sensitive detection of methanol. Sensors and Actuators B: Chemical, 2020, 305, 127513.	7.8	20
125	Large-area freestanding gold nanomembranes with nanoholes. Materials Horizons, 2019, 6, 1005-1012.	12.2	20
126	Microstructured optical fibre drawing with active channel pressurisation. Journal of Fluid Mechanics, 2015, 783, 137-165.	3.4	19

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127	Photoswitchable calcium sensor: â€˜Onâ€™â€“â€˜Offâ€™ sensing in cells or with microstructured optical fibers. Sensors and Actuators B: Chemical, 2017, 252, 965-972.	7.8	19
128	Multiplexed Optical Fiber Biochemical Sensing Using Cascaded C-Shaped Fabryâ€“Perot Interferometers. IEEE Sensors Journal, 2019, 19, 10425-10431.	4.7	19
129	Flexible Plasmonic Tapes with Nanohole and Nanoparticle Arrays for Refractometric and Strain Sensing. ACS Applied Nano Materials, 2020, 3, 8242-8246.	5.0	19
130	Lanthanide upconversion within microstructured optical fibers: improved detection limits for sensing and the demonstration of a new tool for nanocrystal characterization. Nanoscale, 2012, 4, 7448.	5.6	18
131	Enhancement of extraordinary optical transmission and sensing performance through coupling between metal nanohole and nanoparticle arrays. Journal Physics D: Applied Physics, 2019, 52, 275201.	2.8	18
132	Compact plasmonic fiber tip for sensitive and fast humidity and human breath monitoring. Optics Letters, 2020, 45, 985.	3.3	18
133	Fabrication of low-loss, small-core exposed core microstructured optical fibers. Optical Materials Express, 2017, 7, 1496.	3.0	17
134	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. Tetrahedron, 2018, 74, 1240-1244.	1.9	17
135	Third harmonic generation in exposed-core microstructured optical fibers. Optics Express, 2016, 24, 17860.	3.4	16
136	Transmission loss measurements of plastic scintillating optical fibres. Optical Materials Express, 2019, 9, 1.	3.0	16
137	Temperature-Compensated Interferometric High-Temperature Pressure Sensor Using a Pure Silica Microstructured Optical Fiber. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	16
138	Properties of Er3+-doped glasses for waveguide and fiber lasers. , 2000, , .		15
139	A Fundamental Study Into the Surface Functionalization of Soft Glass Microstructured Optical Fibers via Silane Coupling Agents. Journal of Lightwave Technology, 2009, 27, 576-582.	4.6	14
140	Optically Stimulated Luminescence in Fluorideâ€“Phosphate Glass for Radiation Dosimetry. Journal of the American Ceramic Society, 2011, 94, 474-477.	3.8	13
141	Towards microstructured optical fibre sensors: surface analysis of silanised lead silicate glass. Journal of Materials Chemistry C, 2013, 1, 6782.	5.5	13
142	Non-silica microstructured optical fibers for mid-IR supercontinuum generation from 2 Î¼m - 5 Î¼m. , 2006, , .		12
143	Development of lowâ€loss leadâ€germanate glass for midâ€infrared fiber optics: II. preform extrusion and fiber fabrication. Journal of the American Ceramic Society, 2021, 104, 833-850.	3.8	12
144	Spectroscopic analysis and laser simulations of Yb³⁺/Ho³⁺ co-doped lead-germanate glass. Optical Materials Express, 2020, 10, 2819.	3.0	12

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145	A Rationally Designed, Spiropyran-Based Chemosensor for Magnesium. Chemosensors, 2018, 6, 17.	3.6	11
146	Soft-glass imaging microstructured optical fibers. Optics Express, 2018, 26, 33604.	3.4	11
147	Microchip and ultra-fast laser inscribed waveguide lasers in Yb³⁺germanate glass. Optical Materials Express, 2019, 9, 3557.	3.0	11
148	Microwire fibers for low-loss THz transmission. , 2006, , .		10
149	Progress in the Fabrication of the Next-Generation Soft Glass Microstructured Optical Fibers. AIP Conference Proceedings, 2008, , .	0.4	10
150	Emerging Nonlinear Optical Fibers: Revised Fundamentals, Fabrication and Access to Extreme Nonlinearity. IEEE Journal of Quantum Electronics, 2009, 45, 1357-1364.	1.9	10
151	Gravitational extension of a fluid cylinder with internal structure. Journal of Fluid Mechanics, 2016, 790, 308-338.	3.4	10
152	An optical fibre sensor for remotely detecting water traces in organic solvents. RSC Advances, 2016, 6, 82186-82190.	3.6	10
153	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. Scientific Reports, 2016, 6, 21682.	3.3	10
154	Nanofilm-induced spectral tuning of third harmonic generation. Optics Letters, 2017, 42, 1812.	3.3	10
155	Surface Functionalization of Exposed Core Glass Optical Fiber for Metal Ion Sensing. Sensors, 2019, 19, 1829.	3.8	10
156	Relationships between glass structure and spectroscopic properties of Eu³⁺ and Tb³⁺ doped glasses. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1621-1624.	0.9	9
157	Soliton-self-frequency-shift effects and pulse compression in an anomalously dispersive high nonlinearity lead silicate holey fiber. , 2003, , .		9
158	High stability supercontinuum generation in lead silicate SF57 photonic crystal fibers. Chinese Physics B, 2013, 22, 014215.	1.4	9
159	Chirped pulse amplification in single mode Tm:fiber using a chirped Bragg grating. Applied Physics B: Lasers and Optics, 2013, 111, 299-304.	2.2	9
160	Lead silicate microstructured optical fibres for electro-optical applications. Optics Express, 2013, 21, 31309.	3.4	9
161	Luminescent properties of fluoride phosphate glass for radiation dosimetry. Optical Materials Express, 2013, 3, 960.	3.0	9
162	Distributed optical fiber sensing of micron-scale particles. Sensors and Actuators A: Physical, 2020, 303, 111762.	4.1	9

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163	Development of lowâ€loss leadâ€germanate glass for midâ€infrared fiber optics: I. glass preparation optimization. Journal of the American Ceramic Society, 2021, 104, 860-876.	3.8	9
164	Asymptotic Modelling of a Six-Hole MOF. Journal of Lightwave Technology, 2016, 34, 5651-5656.	4.6	9
165	Tunable multi-wavelength third-harmonic generation using exposed-core microstructured optical fiber. Optics Letters, 2019, 44, 626.	3.3	9
166	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. Physical Review Applied, 2015, 4, .	3.8	8
167	Surface Analysis and Treatment of Extruded Fluoride Phosphate Glass Preforms for Optical Fiber Fabrication. Journal of the American Ceramic Society, 2016, 99, 1874-1877.	3.8	8
168	Whispering gallery mode excitation using exposed-core fiber. Optics Express, 2021, 29, 23549.	3.4	8
169	Quantum noise limited nanoparticle detection with exposed-core fiber. Optics Express, 2019, 27, 18601.	3.4	8
170	Development of innovative tools for investigation of nutrient-gut interaction. World Journal of Gastroenterology, 2020, 26, 3562-3576.	3.3	8
171	Fundamentals and applications of silica and nonsilica holey fibers. , 2004, 5350, 35.		7
172	Computational Modeling of Die Swell of Extruded Glass Preforms at High Viscosity. Journal of the American Ceramic Society, 2014, 97, 1572-1581.	3.8	7
173	Computational Modeling of Hole Distortion in Extruded Microstructured Optical Fiber Glass Preforms. Journal of Lightwave Technology, 2015, 33, 424-431.	4.6	7
174	Electrochemical plasmonic optical fiber probe for real-time insight into coreactant electrochemiluminescence. Sensors and Actuators B: Chemical, 2020, 321, 128469.	7.8	7
175	Freestanding metal nanohole array for high-performance applications. Photonics Research, 2020, 8, 1749.	7.0	7
176	A Fibre-Optic Platform for Sensing Nitrate Using Conducting Polymers. Sensors, 2021, 21, 138.	3.8	7
177	Fabrication and optical properties of lead silicate glass holey fibers. Journal of Non-Crystalline Solids, 2004, 345-346, 293-296.	3.1	6
178	Atomâ€"Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. Scientific Reports, 2015, 5, 11486.	3.3	6
179	Enhanced terahertz magnetic dipole response by subwavelength fiber. APL Photonics, 2018, 3, 051701.	5.7	6
180	Luminescence effects in reactive powder sintered silica glasses for radiation sensing. Journal of the American Ceramic Society, 2019, 102, 222-238.	3.8	6

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181	Short-Range Non-Bending Fully Distributed Water/Humidity Sensors. Journal of Lightwave Technology, 2019, 37, 2014-2022.	4.6	6
182	Resonanceâ€Induced Dispersion Tuning for Tailoring Nonsolitonic Radiation via Nanofilms in Exposed Core Fibers. Laser and Photonics Reviews, 2020, 14, 1900418.	8.7	6
183	A Multiplexed Microfluidic Platform toward Interrogating Endocrine Function: Simultaneous Sensing of Extracellular Ca²⁺ and Hormone. ACS Sensors, 2020, 5, 490-499.	7.8	6
184	Exposed-core fiber multimode interference sensor. Results in Optics, 2021, 5, 100125.	2.0	6
185	Towards zero dispersion highly nonlinear lead silicate glass holey fibres at 1550 nm by structured-element-stacking. , 2005, , .		6
186	Reusable polymer optical fiber strain sensor with memory capability based on ABS crazing. Applied Optics, 2019, 58, 9870.	1.8	6
187	Tailored Multiâ€Color Dispersive Wave Formation in Quasiâ€Phaseâ€Matched Exposed Core Fibers. Advanced Science, 2022, 9, e2103864.	11.2	6
188	Comparison of surface functionalization processes for optical fibre biosensing applications. , 2009, , .		5
189	Hybrid Materials: Diamond in Tellurite Glass: a New Medium for Quantum Information (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo	21.0	5
190	Extrusion of fluid cylinders of arbitrary shape with surface tension and gravity. Journal of Fluid Mechanics, 2017, 810, 127-154.	3.4	5
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