Markus A Schmidt

List of Publications by Year
in descending order

245 papers	5,174 citations	81743 39 h-index	102304 66 g-index
249 all docs	249 docs citations	249 times ranked	4078 citing authors

#	Article	IF	Citations
1	Hybrid nanoparticleâ€“microcavity-based plasmonic nanosensors with improved detection resolution and extended remote-sensing ability. Nature Communications, 2012, 3, 1108.	5.8	215
2	Waveguiding and plasmon resonances in two-dimensional photonic lattices of gold and silver nanowires. Physical Review B, 2008, 77, .	1.1	207
3	Polarization-dependent coupling to plasmon modes on submicron gold wire in photonic crystal fiber. Applied Physics Letters, 2008, 93, .	1.5	185
4	Pressure-assisted melt-filling and optical characterization of Au nano-wires in microstructured fibers. Optics Express, 2011, 19, 12180.	1.7	177
5	Solar spectral conversion for improving the photosynthetic activity in algae reactors. Nature Communications, 2013, 4, 2047.	5.8	155
6	Hybrid Optical Fibers â€“ An Innovative Platform for Inâ€Fiber Photonic Devices. Advanced Optical Materials, 2016, 4, 13-36.	3.6	153
7	Supercontinuum generation in chalcogenide-silica step-index fibers. Optics Express, 2011, 19, 21003.	1.7	126
8	Optical properties of photonic crystal fiber with integral micron-sized Ge wire. Optics Express, 2008, 16, 17227.	1.7	122
9	Fast, Label-Free Tracking of Single Viruses and Weakly Scattering Nanoparticles in a Nanofluidic Optical Fiber. ACS Nano, 2015, 9, 12349-12357.	7.3	112
10	Long-range spiralling surface plasmon modes on metallic nanowires. Optics Express, 2008, 16, 13617.	1.7	106
11	Broadband NIR photoluminescence from Bi-doped Ba_2P_2O_7 crystals: Insights into the nature of NIR-emitting Bismuth centers. Optics Express, 2010, 18, 12852.	1.7	103
12	Plasmon resonances on gold nanowires directly drawn in a step-index fiber. Optics Letters, 2010, 35, 2573.	1.7	101
13	Ultrafast nonlinear dynamics of surface plasmon polaritons in gold nanowires due to the intrinsic nonlinearity of metals. New Journal of Physics, 2013, 15, 013033.	1.2	99
14	Hybrid soliton dynamics in liquid-core fibres. Nature Communications, 2017, 8, 42.	5.8	99
15	Mid-infrared supercontinuum generation in As_2S_3-silica â€œnano-spikeâ€•step-index waveguide. Optics Express, 2013, 21, 10969.	1.7	97
16	Bandgap guidance in hybrid chalcogenideâ€“silica photonic crystal fibers. Optics Letters, 2011, 36, 2432.	1.7	96
17	Sapphire fiber Bragg gratings for high temperature and dynamic temperature diagnostics. Applied Thermal Engineering, 2015, 91, 860-865.	3.0	88
18	Ultrahigh numerical aperture meta-fibre for flexible optical trapping. Light: Science and Applications, 2021, 10, 57.	7.7	84

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19	All-solid bandgap guiding in tellurite-filled silica photonic crystal fibers. Optics Letters, 2009, 34, 1946.	1.7	80
20	Analytic model for the complex effective index of the leaky modes of tube-type anti-resonant hollow core fibers. Scientific Reports, 2017, 7, 11761.	1.6	79
21	Optofluidic refractive-index sensor in step-index fiber with parallel hollow micro-channel. Optics Express, 2011, 19, 8200.	1.7	74
22	Resonance-enhanced multi-octave supercontinuum generation in antiresonant hollow-core fibers. Light: Science and Applications, 2017, 6, e17124-e17124.	7.7	74
23	Highly Noninstantaneous Solitons in Liquid-Core Photonic Crystal Fibers. Physical Review Letters, 2010, 105, 263902.	2.9	73
24	Ultralow refractive index substratesâ€"a base for photonic crystal slab waveguides. Applied Physics Letters, 2004, 85, 16-18.	1.5	71
25	Faraday rotation and photoluminescence in heavily Tb3+-doped GeO2-B2O3-Al2O3-Ga2O3 glasses for fiber-integrated magneto-optics. Scientific Reports, 2015, 5, 8942.	1.6	71
26	Complex Faraday Rotation in Microstructured Magnetoâ€optical Fiber Waveguides. Advanced Materials, 2011, 23, 2681-2688.	11.1	70
27	Ultrathin niobium nanofilms on fiber optical tapers â€" a new route towards low-loss hybrid plasmonic modes. Scientific Reports, 2015, 5, 17060.	1.6	65
28	Double antiresonant hollow core fiber â€" guidance in the deep ultraviolet by modified tunneling leaky modes. Optics Express, 2014, 22, 19131.	1.7	61
29	Low-loss single-mode guidance in large-core antiresonant hollow-core fibers. Optics Letters, 2015, 40, 3432.	1.7	59
30	Midinfrared frequency combs from coherent supercontinuum in chalcogenide and optical parametric oscillation. Optics Letters, 2014, 39, 2056.	1.7	57
31	Carbon chloride-core fibers for soliton mediated supercontinuum generation. Optics Express, 2018, 26, 3221.	1.7	53
32	UV Absorption Spectroscopy in Water-Filled Antiresonant Hollow Core Fibers for Pharmaceutical Detection. Sensors, 2018, 18, 478.	2.1	53
33	Excitation of a nanowire â€œmoleculeâ€• in gold-filled photonic crystal fiber. Optics Letters, 2012, 37, 2946.	1.7	52
34	Reflectivity enhanced refractive index sensor based on a fiber-integrated Fabry-Perot microresonator. Optics Express, 2014, 22, 25333.	1.7	50
35	As_2S_3â€"silica double-nanospike waveguide for mid-infrared supercontinuum generation. Optics Letters, 2014, 39, 5216.	1.7	48
36	Thermodynamic control of soliton dynamics in liquid-core fibers. Optica, 2018, 5, 695.	4.8	46

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37	Numerical study of guided modes in arrays of metallic nanowires. Optics Letters, 2007, 32, 1647.	1.7	45
38	Fluorescence detection for phosphate monitoring using reverse injection analysis. Talanta, 2014, 125, 107-113.	2.9	44
39	High index-contrast all-solid photonic crystal fibers by pressure-assisted melt infiltration of silica matrices. Journal of Non-Crystalline Solids, 2010, 356, 1829-1836.	1.5	43
40	Magnetic and magneto-optical quenching in (Mn^2+, Sr^2+) metaphosphate glasses. Optical Materials Express, 2013, 3, 184.	1.6	38
41	A gold-nanotip optical fiber for plasmon-enhanced near-field detection. Applied Physics Letters, 2013, 103, 021101.	1.5	37
42	Polarisation-resolved near-field mapping of a coupled gold nanowire array. Optics Express, 2012, 20, 28409.	1.7	35
43	Electro-optically tunable photonic crystals. Applied Physics Letters, 2005, 87, 121110.	1.5	34
44	Birefringence and dispersion of cylindrically polarized modes in nanobore photonic crystal fiber. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 193.	0.9	34
45	Curvature-induced geometric momenta: the origin of waveguide dispersion of surface plasmons on metallic wires. Optics Express, 2015, 23, 12174.	1.7	34
46	Hybrid-Mode-Assisted Long-Distance Excitation of Short-Range Surface Plasmons in a Nanotip-Enhanced Step-Index Fiber. Nano Letters, 2017, 17, 631-637.	4.5	34
47	An azimuthally polarizing photonic crystal fibre with a central gold nanowire. New Journal of Physics, 2011, 13, 063016.	1.2	33
48	Interfacing optical fibers with plasmonic nanoconcentrators. Nanophotonics, 2018, 7, 1279-1298.	2.9	32
49	Emergence of Geometrical Optical Nonlinearities in Photonic Crystal Fiber Nanowires. Physical Review Letters, 2010, 105, 093904.	2.9	31
50	Nanoparticle functionalised small-core suspended-core fibre â€“ a novel platform for efficient sensing. Biomedical Optics Express, 2017, 8, 790.	1.5	31
51	Tuning the Effective <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math> Phase of Plasmonic Eigenmodes. Physical Review Letters, 2019, 123, 213903.	2.9	31
52	Hollow Core Light Cage: Trapping Light Behind Bars. ACS Photonics, 2019, 6, 649-658.	3.2	31
53	Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors. Advanced Materials, 2020, 32, e2003826.	11.1	31
54	Nanotrimer enhanced optical fiber tips implemented by electron beam lithography. Optical Materials Express, 2018, 8, 2246.	1.6	29

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55	Tracking and Analyzing the Brownian Motion of Nano-objects Inside Hollow Core Fibers. ACS Sensors, 2020, 5, 879-886.	4.0	29
56	Improved transmission characteristics of moderate refractive index contrast photonic crystal slabs. Applied Physics Letters, 2002, 81, 2517-2519.	1.5	28
57	Interfacial reactions between tellurite melts and silica during the production of microstructured optical devices. Journal of Non-Crystalline Solids, 2011, 357, 1558-1563.	1.5	26
58	Broadband efficient directional coupling to short-range plasmons: towards hybrid fiber nanotips. Optics Express, 2016, 24, 7507.	1.7	23
59	Boosting Light Collection Efficiency of Optical Fibers Using Metallic Nanostructures. ACS Photonics, 2019, 6, 691-698.	3.2	23
60	Silver metaphosphate glass wires inside silica fibersâ€"a new approach for hybrid optical fibers. Optics Express, 2016, 24, 3258.	1.7	22
61	Plasmonic nanoparticle-functionalized exposed-core fiberâ€"an optofluidic refractive index sensing platform. Optics Letters, 2017, 42, 4395.	1.7	22
62	Gold-reinforced silver nanoprisms on optical fiber tapersâ€"A new base for high precision sensing. APL Photonics, 2016, 1, 066102.	3.0	21
63	Low-n mesoporous silica films: structure and properties. Applied Physics A: Materials Science and Processing, 2005, 81, 425-432.	1.1	20
64	Broadband azimuthal polarization conversion using gold nanowire enhanced step-index fiber. Optics Letters, 2016, 41, 448.	1.7	20
65	Monolithic optofluidic mode coupler for broadband thermo- and piezo-optical characterization of liquids. Optics Express, 2017, 25, 22932.	1.7	20
66	Nanostructure-Empowered Efficient Coupling of Light into Optical Fibers at Extraordinarily Large Angles. ACS Photonics, 2020, 7, 2834-2841.	3.2	20
67	Three dimensional spatiotemporal nano-scale position retrieval of the confined diffusion of nano-objects inside optofluidic microstructured fibers. Nanoscale, 2020, 12, 3146-3156.	2.8	20
68	Supercontinuum generation in a carbon disulfide core microstructured optical fiber. Optics Express, 2021, 29, 19891.	1.7	20
69	Tailoring modulation instabilities and four-wave mixing in dispersion-managed composite liquid-core fibers. Optics Express, 2020, 28, 3097.	1.7	20
70	High-Temperature Strain Sensing Using Sapphire Fibers With Inscribed First-Order Bragg Gratings. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	19
71	Higher-order mode supercontinuum generation in dispersion-engineered liquid-core fibers. Scientific Reports, 2021, 11, 5270.	1.6	18
72	Extinction properties of ultrapure water down to deep ultraviolet wavelengths. Optical Materials Express, 2014, 4, 1932.	1.6	17

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73	Single mode criterion - a benchmark figure to optimize the performance of nonlinear fibers. Optics Express, 2016, 24, 16191.	1.7	17
74	Long-term stable supercontinuum generation and watt-level transmission in liquid-core optical fibers. Optics Letters, 2019, 44, 2236.	1.7	17
75	Light guidance in photonic band gap guiding dual-ring light cages implemented by direct laser writing. Optics Letters, 2019, 44, 4016.	1.7	17
76	Third harmonic generation in exposed-core microstructured optical fibers. Optics Express, 2016, 24, 17860.	1.7	16
77	The Optofluidic Light Cage â€" On-Chip Integrated Spectroscopy Using an Antiresonance Hollow Core Waveguide. Analytical Chemistry, 2021, 93, 752-760.	3.2	16
78	Coherent interaction of atoms with a beam of light confined in a light cage. Light: Science and Applications, 2021, 10, 114.	7.7	16
79	Fabrication of photonic crystal structures in polymer waveguide material. Microelectronic Engineering, 2006, 83, 1138-1141.	1.1	15
80	Non-Newtonian flow of an ultralow-melting chalcogenide liquid in strongly confined geometry. Applied Physics Letters, 2015, 106, .	1.5	15
81	Approximate model for analyzing band structures of single-ring hollow-core anti-resonant fibers. Optics Express, 2019, 27, 10009.	1.7	15
82	Bio-sensing using recessed gold-filled capillary amperometric electrodes. Analytical and Bioanalytical Chemistry, 2010, 398, 1687-1694.	1.9	13
83	Origins of modal loss of antiresonant hollow-core optical fibers in the ultraviolet. Optics Express, 2015, 23, 2557.	1.7	13
84	Low-loss deuterated organic solvents for visible and near-infrared photonics. Optical Materials Express, 2017, 7, 1122.	1.6	13
85	Analytical mode normalization and resonant state expansion for bound and leaky modes in optical fibers - an efficient tool to model transverse disorder. Optics Express, 2018, 26, 22536.	1.7	13
86	Biomimetic light dilution using side-emitting optical fiber for enhancing the productivity of microalgae reactors. Scientific Reports, 2019, 9, 9600.	1.6	13
87	Plasmonic Metalensâ€Enhanced Singleâ€Mode Fibers: A Pathway Toward Remote Light Focusing. Advanced Photonics Research, 2021, 2, 2100100.	1.7	13
88	Tailoring soliton fission at telecom wavelengths using composite-liquid-core fibers. Optics Letters, 2020, 45, 2985.	1.7	13
89	In Situ Heterogeneous Catalysis Monitoring in a Hollowâ€Core Photonic Crystal Fiber Microflow Reactor. Advanced Materials Interfaces, 2014, 1, 1300093.	1.9	12
90	Attenuation coefficients of selected organic and inorganic solvents in the mid-infrared spectral domain. Optical Materials Express, 2022, 12, 1754.	1.6	12

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91	Nanocapillary electrokinetic tracking for monitoring charge fluctuations on a single nanoparticle. Faraday Discussions, 2016, 193, 447-458.	1.6	11
92	Analytic model for the complex effective index dispersion of metamaterial-cladding large-area hollow core fibers. Optics Express, 2016, 24, 20515.	1.7	11
93	Analytic Mode Normalization for the Kerr Nonlinearity Parameter: Prediction of Nonlinear Gain for Leaky Modes. Physical Review Letters, 2018, 121, 213905.	2.9	11
94	Symmetry-breaking induced magnetic Fano resonances in densely packed arrays of symmetric nanotrimers. Scientific Reports, 2019, 9, 2873.	1.6	11
95	Photonic crystal all-polymer slab resonators. Journal of Applied Physics, 2005, 98, 103101.	1.1	10
96	A semi-analytical model for the approximation of plasmonic bands in arrays of metal wires in photonic crystal fibers. Optics Express, 2014, 22, 11741.	1.7	10
97	Micron-sized gold-nickel alloy wire integrated silica optical fibers. Optical Materials Express, 2016, 6, 1790.	1.6	10
98	Nanofilm-induced spectral tuning of third harmonic generation. Optics Letters, 2017, 42, 1812.	1.7	10
99	Guiding light in a water core all-solid cladding photonic band gap fiber â€“ an innovative platform for fiber-based optofluidics. Optics Express, 2017, 25, 22467.	1.7	10
100	Understanding Dispersion of Revolver-Type Anti-Resonant Hollow Core Fibers. Fibers, 2018, 6, 68.	1.8	10
101	Fine-tuning of the optical properties of hollow-core light cages using dielectric nanofilms. Optics Letters, 2020, 45, 196.	1.7	10
102	Omnidirectional photonic band gap in polymer photonic crystal slabs. Applied Physics Letters, 2007, 91, 221104.	1.5	9
103	Stabilised Biosensing Using Needleâ€Based Recess Electrodes. Electroanalysis, 2012, 24, 529-538.	1.5	9
104	Optical sapphire fiber Bragg gratings as high temperature sensors. , 2013, , .		9
105	Multiscale spectroscopy using a monolithic liquid core waveguide with laterally attached fiber ports. Analytica Chimica Acta, 2015, 875, 1-6.	2.6	9
106	Analysis of nanogap-induced spectral blue-shifts of plasmons on fiber-integrated gold, silver and copper nanowires. Optical Materials Express, 2017, 7, 1486.	1.6	9
107	Single Crystal Ge Core Fiber Produced via Pressure Assisted Melt Filling and CO2 Laser Crystallization. IEEE Photonics Technology Letters, 2020, 32, 81-84.	1.3	9
108	Ultrahigh-aspect-ratio light cages: fabrication limits and tolerances of free-standing 3D nanoprinted waveguides. Optical Materials Express, 2021, 11, 1046.	1.6	9

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109	Tunable multi-wavelength third-harmonic generation using exposed-core microstructured optical fiber. Optics Letters, 2019, 44, 626.	1.7	9
110	Polymer based tuneable photonic crystals. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3739-3753.	0.8	8
111	Permanent structural anisotropy in a hybrid fiber optical waveguide. Applied Physics Letters, 2017, 111, .	1.5	8
112	Fiber-Integrated Absorption Spectroscopy Using Liquid-Filled Nanobore Optical Fibers. Journal of Lightwave Technology, 2018, 36, 3970-3975.	2.7	8
113	Numerical and Experimental Demonstration of Intermodal Dispersive Wave Generation. Laser and Photonics Reviews, 2021, 15, 2100125.	4.4	8
114	Continuous wave diode pumped Nd:GdVO4 laser at 912nm and intracavity doubling to the blue spectral range. , 2001, , WA2.		7
115	An ion trap built with photonic crystal fibre technology. Review of Scientific Instruments, 2015, 86, 033107.	0.6	7
116	Enhanced sensitivity in single-mode silicon nitride stadium resonators at visible wavelengths. Optics Letters, 2016, 41, 5377.	1.7	7
117	Octave-spanning supercontinuum generation in hybrid silver metaphosphate/silica step-index fibers. Optics Letters, 2016, 41, 3519.	1.7	7
118	Nanoboomerang-based inverse metasurfacesâ€"A promising path towards ultrathin photonic devices for transmission operation. APL Photonics, 2017, 2, 036102.	3.0	7
119	Bending losses and modal properties of nano-bore optical fibers. Optics Letters, 2018, 43, 4192.	1.7	7
120	Theory of four-wave mixing for bound and leaky modes. Physical Review A, 2020, 101, .	1.0	7
121	Three-dimensional spatiotemporal tracking of nano-objects diffusing in water-filled optofluidic microstructured fiber. Nanophotonics, 2020, 9, 4545-4554.	2.9	7
122	Long-term stable sapphire fiber Bragg grating sensors at 1400Â°C. , 2014, , .		6
123	Tailored loss discrimination in indefinite metamaterial-clad hollow-core fibers. Optics Express, 2016, 24, 15702.	1.7	6
124	Fluoride-Sulfophosphate/Silica Hybrid Fiber as a Platform for Optically Active Materials. Frontiers in Materials, 2019, 6, .	1.2	6
125	Analysis of viscosity data in As2Se3, Se and Se95Te5 chalcogenide melts using the pressure assisted melt filling technique. Journal of Non-Crystalline Solids, 2019, 511, 100-108.	1.5	6
126	Resonanceâ€Induced Dispersion Tuning for Tailoring Nonsolitonic Radiation via Nanofilms in Exposed Core Fibers. Laser and Photonics Reviews, 2020, 14, 1900418.	4.4	6

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127	Ultralong Tracking of Fast diffusing Nanoâ€Objects Inside Nanoâ€Fluidic Channel Enhanced Microstructured Optical Fiber. Advanced Photonics Research, 2021, 2, 2100032.	1.7	6
128	Fiber-integrated hollow-core light cage for gas spectroscopy. APL Photonics, 2021, 6, .	3.0	6
129	Essentials of resonance-enhanced soliton-based supercontinuum generation. Optics Express, 2020, 28, 2557.	1.7	6
130	Ultrafast intermodal third harmonic generation in a liquid core step-index fiber filled with C₂Cl₄. Optics Express, 2020, 28, 25037.	1.7	6
131	Tailored Multiâ€Color Dispersive Wave Formation in Quasiâ€Phaseâ€Matched Exposed Core Fibers. Advanced Science, 2022, 9, e2103864.	5.6	6
132	Giant Faraday Rotation through Ultrasmall Fe⁰<i>_n</i> Clusters in Superparamagnetic FeOâ€SiO₂ Vitreous Films. Advanced Science, 2017, 4, 1600299.	5.6	5
133	Effectively Single-Mode Self-Recovering Ultrafast Nonlinear Nanowire Surface Plasmons. Physical Review Applied, 2018, 9, .	1.5	5
134	Impact of deuteration on the ultrafast nonlinear optical response of toluene and nitrobenzene. Optics Express, 2019, 27, 29491.	1.7	5
135	Nanobore fiber focus trap with enhanced tuning capabilities. Optics Express, 2019, 27, 36221.	1.7	5
136	Viscosity and fragility of selected glass-forming chalcogenides. Journal of Non-Crystalline Solids, 2022, 575, 121205.	1.5	5
137	UV-TRIMMING OF TWO-DIMENSIONAL PHOTONIC CRYSTAL STRUCTURES. Journal of Nonlinear Optical Physics and Materials, 2004, 13, 535-540.	1.1	4
138	Measurement of the Dispersion of an Antiresonant Hollow Core Fiber. IEEE Photonics Journal, 2018, 10, 1-6.	1.0	4
139	All-Fiber Integrated In-Line Semiconductor Photoconductor. Journal of Lightwave Technology, 2019, 37, 3244-3251.	2.7	4
140	Polarization evolution in single-ring antiresonant hollow-core fibers. Applied Optics, 2018, 57, 8529.	0.9	4
141	Photonic candle â€" focusing light using nano-bore optical fibers. Optics Express, 2018, 26, 31706.	1.7	4
142	Third-harmonic generation with tailored modes in liquid core fibers with geometric birefringence. Optics Letters, 2020, 45, 6859.	1.7	4
143	Influence of non-Hermitian mode topology on refractive index sensing with plasmonic waveguides. Photonics Research, 0, , .	3.4	4
144	Spectral Trimming of Photonic Crystals. Lecture Notes in Physics, 2005, , 71-86.	0.3	3

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145	Direct observation of modal hybridization in nanofluidic fiber [Invited]. Optical Materials Express, 2021, 11, 559.	1.6	3
146	Orders of magnitude loss reduction in photonic bandgap fibers by engineering the core surround. Optics Express, 2021, 29, 8606.	1.7	3
147	What optical fiber modes reveal: group velocity and effective index for external perturbations. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1097.	0.9	3
148	Nanograting-Enhanced Optical Fibers for Visible and Infrared Light Collection at Large Input Angles. Photonics, 2021, 8, 295.	0.9	3
149	Identification of zero density of states domains in band gap fibers using a single binary function. Optics Express, 2016, 24, 16212.	1.7	2
150	Three-dimensional tracking of nanoparticles by dual-color position retrieval in a double-core microstructured optical fiber. Lab on A Chip, 2021, 21, 4437-4444.	3.1	2
151	Longitudinally thickness-controlled nanofilms on exposed core fibres enabling spectrally flattened supercontinuum generation. Light Advanced Manufacturing, 2021, 2, 1.	2.2	2
152	Understanding Nonlinear Pulse Propagation in Liquid Strand-Based Photonic Bandgap Fibers. Crystals, 2021, 11, 305.	1.0	2
153	Interpreting light guidance in antiresonant and photonic bandgap waveguides and fibers by light scattering: analytical model and ultra-low guidance. Optics Express, 2022, 30, 2768.	1.7	2
154	Photonic Crystal Optical Circuits in Moderate Index Materials. , 2006, , 289-307.		1
155	Metal nanowire arrays in photonic crystal fibers. , 2008, , .		1
156	Polarization properties of PCF with Ge-nanowire. , 2008, , .		1
157	Transmission properties of selectively gold-filled polarization-maintaining PCF. , 2008, , .		1
158	Novel nanophotonic waveguides based on metal, semiconductor or soft glass modified photonic crystal fibres. , 2009, , .		1
159	Plasmon resonances on gold nanowires directly drawn in step-index fiber. , 2010, , .		1
160	Chalcogenide-silica fibers: A new base for linear and nonlinear nanophotonic devices. , 2013, , .		1
161	Soliton-based MIR generation until 2.4 Âµm in a CS2-core step-index fiber. , 2015, , .		1
162	Wavelength shifted third harmonic generation in an exposed-core microstructured optical fiber. , 2017, , .		1

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163	Electric current-driven spectral tunability of surface plasmon polaritons in gold coated tapered fibers. AIP Advances, 2018, 8, 095113.	0.6	1
164	Convectionless directional solidification in an extremely confined sample geometry. Materialia, 2019, 8, 100457.	1.3	1
165	Nanoapertures without Nanolithography. ACS Photonics, 2019, 6, 30-37.	3.2	1
166	Localized temperature and pressure measurements inside CS₂-filled fiber using stimulated Brillouin scattering. , 2021, , .		1
167	Optical properties of chalcogenide-filled silica-air PCF. , 2009, , .		1
168	Transmission properties and spectral trimming of polymer photonic crystals. , 2004, , .		1
169	1.2.4 - First-order sapphire fiber Bragg gratings for high temperature sensing. , 2016, , .		1
170	Multi-octave supercontinuum driven by soliton explosion in dispersion-designed antiresonant hollow-core fibers. , 2017, , .		1
171	Performance limits of single nano-object detection with optical fiber tapers. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1833.	0.9	1
172	Optofluidic microstructured fibers: a platform to detect freely diffusing nano-objects. , 2019, , .		1
173	Towards telecom-compatible liquid-core fibers for low-power nonlinear signal processing. , 2021, , .		1
174	Generation of 455 nm radiation by intracavity doubling of a Nd:LiLuF/sub 4/ laser. , 2001, , .		0
175	Tunable polymer photonic crystals. , 2003, 5212, 171.		0
176	Modulation and dispersion control in photonic crystals. , 2006, 6331, 72.		0
177	From plasmonics to supercontinuum generation: Subwavelength scale devices based on hybrid photonic crystal fibers. , 2010, , .		0
178	Recent developments in hybrid photonic crystal fiber. , 2011, , .		0
179	Selective excitation of guided surface plasmons on uniform and conicallytapered Au nanowires. , 2011, , .		0
180	Plasmonic Photonic Crystal Fiber. , 2011, , .		0

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181	Linearons: Solitons propagating in liquid-core photonic crystal fibers. , 2011, , .		0
182	Hybrid fibers: multimaterial nanophotonic devices in fiber form. , 2012, , .		0
183	Nanophotonics inside hybrid optical fibers. , 2012, , .		0
184	Direct SNOM of quadrupolar plasmon mode selectively excited on gold nanowire in PCF. , 2012, , .		0
185	Fibres embrace optoelectronics. Nature Photonics, 2012, 6, 143-145.	15.6	0
186	Mid infrared supercontinuum generation in nanotapered chalcogenide-silica step-index waveguides. , 2013, , .		0
187	Mid-IR Frequency Combs From Coherent Supercontinuum Generation in Chalcogenide Nano-Spike Waveguides. , 2013, , .		0
188	A gold nanotip enhanced optical fibre device for plasmonic near-field microscopy. , 2013, , .		0
189	Supercontinuum Generation in As2S3-Silica Double-Nanospike Waveguide. , 2014, , .		0
190	Hybrid fibers: a base for creating new sensing fibers. Proceedings of SPIE, 2014, , .	0.8	0
191	Nanowires inside optical fibers — A new base for nanophotonics. , 2014, , .		0
192	Plasmonic microstructured optical fibers. , 2015, , .		0
193	Label-free tracking of single extracellular vesicles in a nano-fluidic optical fiber (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		0
194	Nanowire-based hybrid optical fibers: A platform for nonlinear light generation and plasmonics. , 2017, , .		0
195	Saphir-Faser-Bragg-Gitter fÃ¼r die Hochtemperatursensorik. TM Technisches Messen, 2017, 84, 797-803.	0.3	0
196	Dispersion-designed antiresonant hollow-core fibers for supercontinuum generation by soliton explosion. , 2017, , .		0
197	Dispersion measurement of engineered antiresonant hollow-core fibers with spectral interferometry. , 2017, , .		0
198	Understanding antiresonant guidance on the basis of planar interface reflection. , 2017, , .		0

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199	Excitation of short-range surface-plasmon polaritons in a gold nanowire enhanced step-index fiber. , 2017, , .		0
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