

F Benabid

List of Publications by Year in descending order

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201
papers

6,088
citations

117625

34
h-index

74163

75
g-index

202
all docs

202
docs citations

202
times ranked

2529
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulated Raman Scattering in Hydrogen-Filled Hollow-Core Photonic Crystal Fiber. <i>Science</i> , 2002, 298, 399-402.	12.6	926
2	Compact, stable and efficient all-fibre gas cells using hollow-core photonic crystal fibres. <i>Nature</i> , 2005, 434, 488-491.	27.8	479
3	Generation and Photonic Guidance of Multi-Octave Optical-Frequency Combs. <i>Science</i> , 2007, 318, 1118-1121.	12.6	451
4	Low loss broadband transmission in hypocycloid-core Kagome hollow-core photonic crystal fiber. <i>Optics Letters</i> , 2011, 36, 669.	3.3	364
5	Large-pitch kagome-structured hollow-core photonic crystal fiber. <i>Optics Letters</i> , 2006, 31, 3574.	3.3	273
6	Ultralow transmission loss in inhibited-coupling guiding hollow fibers. <i>Optica</i> , 2017, 4, 209.	9.3	253
7	Linear and nonlinear optical properties of hollow core photonic crystal fiber. <i>Journal of Modern Optics</i> , 2011, 58, 87-124.	1.3	186
8	A strong-field driver in the single-cycle regime based on self-compression in a kagome fibre. <i>Nature Communications</i> , 2015, 6, 6117.	12.8	179
9	Ultrahigh Efficiency Laser Wavelength Conversion in a Gas-Filled Hollow Core Photonic Crystal Fiber by Pure Stimulated Rotational Raman Scattering in Molecular Hydrogen. <i>Physical Review Letters</i> , 2004, 93, 123903.	7.8	172
10	Particle levitation and guidance in hollow-core photonic crystal fiber. <i>Optics Express</i> , 2002, 10, 1195.	3.4	167
11	Field enhancement within an optical fibre with a subwavelength air core. <i>Nature Photonics</i> , 2007, 1, 115-118.	31.4	162
12	Hypocycloid-shaped hollow-core photonic crystal fiber Part I: Arc curvature effect on confinement loss. <i>Optics Express</i> , 2013, 21, 28597.	3.4	150
13	Hollow-core photonic bandgap fibre: new light guidance for new science and technology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 3439-3462.	3.4	123
14	Multi-meter fiber-delivery and pulse self-compression of milli-Joule femtosecond laser and fiber-aided laser-micromachining. <i>Optics Express</i> , 2014, 22, 10735.	3.4	120
15	Subwatt Threshold cw Raman Fiber-Gas Laser Based on H_2 -Filled Hollow-Core Photonic Crystal Fiber. <i>Physical Review Letters</i> , 2007, 99, 143903.	7.8	115
16	Electromagnetically-induced transparency grid in acetylene-filled hollow-core PCF. <i>Optics Express</i> , 2005, 13, 5694.	3.4	93
17	High harmonic generation in a gas-filled hollow-core photonic crystal fiber. <i>Applied Physics B: Lasers and Optics</i> , 2009, 97, 369-373.	2.2	93
18	Experimental demonstration of the frequency shift of bandgaps in photonic crystal fibers due to refractive index scaling. <i>Optics Express</i> , 2006, 14, 3000.	3.4	92

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19	Design and fabrication of hollow-core photonic crystal fibers for high-power ultrashort pulse transportation and pulse compression. Optics Letters, 2012, 37, 3111.	3.3	92
20	Hollow-core Optical Fiber Gas Lasers (HOFGLAS): a review [Invited]. Optical Materials Express, 2012, 2, 948.	3.0	92
21	Electromagnetically induced transparency in Rb-filled coated hollow-core photonic crystal fiber. Optics Letters, 2007, 32, 1323.	3.3	79
22	Identification of Bloch-modes in hollow-core photonic crystal fiber cladding. Optics Express, 2007, 15, 325.	3.4	73
23	Hypocycloid-shaped hollow-core photonic crystal fiber Part II: Cladding effect on confinement and bend loss. Optics Express, 2013, 21, 28609.	3.4	71
24	Reduction of Fresnel Back-Reflection at Splice Interface Between Hollow Core PCF and Single-Mode Fiber. IEEE Photonics Technology Letters, 2007, 19, 1020-1022.	2.5	66
25	Temporal pulse compression in a xenon-filled Kagome-type hollow-core photonic crystal fiber at high average power. Optics Express, 2011, 19, 19142.	3.4	57
26	Stokes Amplification Regimes in Quasi-cw Pumped Hydrogen-Filled Hollow-Core Photonic Crystal Fiber. Physical Review Letters, 2005, 95, 213903.	7.8	56
27	Square-lattice large-pitch hollow-core photonic crystal fiber. Optics Express, 2008, 16, 20626.	3.4	56
28	Ultra low-loss hypocycloid-core Kagome hollow-core photonic crystal fiber for green spectral-range applications. Optics Letters, 2014, 39, 6245.	3.3	54
29	Mid IR hollow core fiber gas laser emitting at $4.6 \mu\text{m}$. Optics Letters, 2019, 44, 383.	3.3	52
30	Electromagnetically induced transparency and saturable absorption in all-fiber devices based on I_2 -filled hollow-core photonic crystal fiber. Optics Communications, 2006, 263, 28-31.	2.1	49
31	Low optical insertion-loss and vacuum-pressure all-fiber acetylene cell based on hollow-core photonic crystal fiber. Optics Letters, 2006, 31, 2538.	3.3	48
32	Light and gas confinement in hollow-core photonic crystal fibre based photonic microcells. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	48
33	Quantum-Fluctuation-Initiated Coherence in Multioctave Raman Optical Frequency Combs. Physical Review Letters, 2010, 105, 123603.	7.8	43
34	Effective Kerr Nonlinearity and Two-Color Solitons in Photonic Band-Gap Fibers Filled with a Raman Active Gas. Physical Review Letters, 2004, 93, 143907.	7.8	40
35	Millijoule laser pulse delivery for spark ignition through kagome hollow-core fiber. Optics Letters, 2012, 37, 1430.	3.3	37
36	Low loss broadband transmission in optimized core-shape Kagome Hollow-Core PCF. , 2010, , .		35

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37	High-efficiency cross-phase modulation in a gas-filled waveguide. <i>Physical Review A</i> , 2013, 88, .	2.5	31
38	High-resolution two-photon spectroscopy of rubidium within a confined geometry. <i>Physical Review A</i> , 2013, 87, .	2.5	31
39	Compact and portable multiline UV and visible Raman lasers in hydrogen-filled HC-PCF. <i>Optics Letters</i> , 2010, 35, 1127.	3.3	30
40	Fourth-order dispersion mediated solitonic radiations in HC-PCF cladding. <i>Optics Letters</i> , 2008, 33, 2680.	3.3	29
41	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier. <i>Optica</i> , 2016, 3, 816.	9.3	29
42	Electromagnetically induced transparency in acetylene molecules with counterpropagating beams in V and \hat{b} schemes. <i>Applied Physics Letters</i> , 2009, 94, 141103.	3.3	28
43	Generation and confinement of microwave gas-plasma in photonic dielectric microstructure. <i>Optics Express</i> , 2013, 21, 25509.	3.4	28
44	CW hollow-core optically pumped L ₂ fiber gas laser. <i>Optics Letters</i> , 2015, 40, 605.	3.3	27
45	X-ray induced absorption of high-purity sapphire and investigation of the origin of the residual absorption at 1064 nm. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 589-594.	2.8	23
46	X-SEA-F-SPIDER characterization of over octave spanning pulses in the infrared range. <i>Optics Express</i> , 2016, 24, 12713.	3.4	21
47	Active engineering of four-wave mixing spectral correlations in multiband hollow-core fibers. <i>Optics Express</i> , 2019, 27, 9803.	3.4	20
48	High-resolution optical spectroscopy in a hollow-core photonic crystal fiber. <i>Physical Review A</i> , 2012, 85, .	2.5	18
49	Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors. <i>Optics Communications</i> , 1999, 167, 7-13.	2.1	16
50	Optical frequency comb generation in gas-filled hollow core photonic crystal fibres. <i>Journal of Optics</i> , 2009, 11, 103002.	1.5	15
51	Matched cascade of bandgap-shift and frequency-conversion using stimulated Raman scattering in a tapered hollow-core photonic crystal fibre. <i>Optics Express</i> , 2010, 18, 12381.	3.4	15
52	Enhanced SRS in H ₂ filled hollow core photonic crystal fibre by use of fibre Bragg grating. <i>Journal of Optics</i> , 2007, 9, 156-159.	1.5	14
53	Quantum theory of phase correlations in optical frequency combs generated by stimulated Raman scattering. <i>Physical Review A</i> , 2010, 82, .	2.5	14
54	Microwave-driven plasmas in hollow-core photonic crystal fibres. <i>Plasma Sources Science and Technology</i> , 2014, 23, 015022.	3.1	14

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55	High-efficiency cold-atom transport into a waveguide trap. <i>Physical Review Applied</i> , 2018, 10, .	3.8	14
56	Birefringence measurements of sapphire test masses for laser interferometer gravitational wave detector. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 237, 337-342.	2.1	13
57	Core-Surround Shaping of Hollow-Core Photonic Crystal Fiber Via HF Etching. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1018-1020.	2.5	13
58	Two-color rubidium fiber frequency standard. <i>Optics Letters</i> , 2013, 38, 2122.	3.3	13
59	Supercritical xenon-filled hollow-core photonic bandgap fiber. <i>Optics Express</i> , 2013, 21, 13726.	3.4	13
60	Modelling of a novel hollow-core photonic crystal fibre. , 2003, , .		12
61	Characterization of mid-infrared emissions from C ₂ H ₂ , CO, CO ₂ , and HCN-filled hollow fiber lasers. <i>Proceedings of SPIE</i> , 2012, , .	0.8	12
62	Near- and middle-ultraviolet reconfigurable Raman source using a record-low UV/visible transmission loss inhibited-coupling hollow-core fiber. <i>Optics and Laser Technology</i> , 2022, 147, 107678.	4.6	11
63	Widely tunable femtosecond solitonic radiation in photonic crystal fiber cladding. <i>Physical Review A</i> , 2010, 81, .	2.5	10
64	Frequency stabilisation of a fibre-laser comb using a novel microstructured fibre. <i>Optics Express</i> , 2009, 17, 5897.	3.4	9
65	Gas mixture for deep-UV plasma emission in a hollow-core photonic crystal fiber. <i>Optics Letters</i> , 2017, 42, 3363.	3.3	9
66	Engineering Photon-Photon Interactions within Rubidium-Filled Waveguides. <i>Physical Review Applied</i> , 2018, 9, .	3.8	7
67	7.7 dB/km losses in inhibited coupling hollow-core photonic crystal fibers. , 2016, , .		7
68	Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors:. <i>Optics Communications</i> , 1999, 170, 9-14.	2.1	6
69	Macro Bending Losses in Single-Cell Kagome-Lattice Hollow-Core Photonic Crystal Fibers. <i>Journal of Lightwave Technology</i> , 2014, 32, 1370-1373.	4.6	6
70	2.6 mJ energy and 81 GW peak power femtosecond laser-pulse delivery and spectral broadening in inhibited coupling Kagome fiber. , 2015, , .		6
71	Extended Duration of Rubidium Vapor in Aluminosilicate Ceramic Coated Hypocycloidal Core Kagome HC-PCF. <i>Journal of Lightwave Technology</i> , 2014, 32, 2486-2491.	4.6	5
72	Raman gas self-organizing into deep nano-trap lattice. <i>Nature Communications</i> , 2016, 7, 12779.	12.8	5

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73	Guidance mechanisms in hollow-core photonic crystal fiber. , 2008, , .		4
74	Hollow core fiber delivery of sub-ps pulses from a TruMicro 5000 Femto edition thin disk amplifier. , 2015, , .		4
75	Ground-state atomic polarization relaxation-time measurement of Rb filled hypocycloidal core-shaped Kagome HC-PCF. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 185401.	1.5	4
76	Photonic Microcell: A Revival Tool for Gas Lasers. , 2012, , .		3
77	Angle splice of large-core kagome hollow-core photonic crystal fiber for gas-filled microcells. , 2013, , .		3
78	Hollow-Core Photonic-Bandgap Fiber Resonator for Rotation Sensing. , 2016, , .		3
79	The influence of X-ray damage on high purity sapphire optical absorption and investigation on the origin of the residual absorption @1064 nm. AIP Conference Proceedings, 2000, , .	0.4	2
80	Hollow core photonic crystal fibers: a new regime for nonlinear optics and laser-induced guidance. , 0, , .		2
81	Low Insertion-Loss (1.8 dB) and Vacuum-Pressure All-Fiber Acetylene Cell Based on Hollow-Core PCF. , 2007, , .		2
82	High Power 55 Watts CW Raman Fiber-Gas-Laser. , 2010, , .		2
83	Efficient generation of broad Raman sidebands in a kagome-lattice-type photonic crystal fiber. , 2010, , .		2
84	Design and fabrication of hollow-core photonic crystal fibers for high power fast laser beam transportation and pulse compression. Proceedings of SPIE, 2012, , .	0.8	2
85	Low loss Kagome hollow-core photonic crystal fiber for high power fast laser beam transportation and pulse compression. , 2012, , .		2
86	Milli-Joule femtosecond laser-pulse delivery and compression in hypocycloid core Kagome HC-PCF. , 2013, , .		2
87	Milli-Joule energy-level comb and supercontinuum generation in atmospheric air-filled inhibited coupling Kagome fiber. , 2015, , .		2
88	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier: publisherâ€™s note. Optica, 2016, 3, 853.	9.3	2
89	Ultra-low loss (8.5 dB/km @ Yb-laser wavelength range) inhibited-coupling Kagome HC-PCF for laser beam delivery applications. Proceedings of SPIE, 2017, , .	0.8	2
90	Cups curvature effect on confinement loss in hypocycloid-core Kagome HC-PCF. , 2013, , .		2

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91	Nonlinear effects due to interface modes in a hollow-core photonic crystal fiber. , 2005, , .		1
92	Electromagnetically-induced transparency and saturable absorption in all-fiber devices based on acetylene-filled hollow-core PCF. , 2006, , .		1
93	Sub-Wavelength Intensity Profiles and Field Enhancement within an Optical Fiber. , 2007, , .		1
94	Observation of anti-crossing events via mode-pattern rotation in HC-PCF. , 2008, , .		1
95	Nonlinear effects in a silica-node of a hollow-core photonic crystal fiber within the photonic bandgap. , 2008, , .		1
96	Dispersion properties of “Kagome” hollow-core fibers. , 2008, , .		1
97	First high harmonic generation (HHG) in a photonic crystal fiber (PCF). , 2009, , .		1
98	Hollow-core photonic crystal fibers for integrated mid infrared sources. Proceedings of SPIE, 2009, , .	0.8	1
99	EIT-based slow and fast light in an all-fiber system. , 2010, , .		1
100	Strictly-bound modes of an idealised hollow-core fibre without a photonic bandgap. , 2010, , .		1
101	UV light generation induced by microwave microplasma in hollow-core optical waveguides. , 2011, , .		1
102	Large-core photonic microcells for coherent optics and laser metrology. Proceedings of SPIE, 2011, , .	0.8	1
103	Progress towards atomic vapor photonic microcells: Coherence and polarization relaxation measurements in coated and uncoated HC-PCF. Proceedings of SPIE, 2013, , .	0.8	1
104	Strong field applications of Gigawatt self-compressed pulses from a Kagome fiber. , 2014, , .		1
105	Splicing tapered inhibited-coupling hypocycloid-core Kagome fiber to SMF fibers. , 2015, , .		1
106	High power Raman-converter based on H2-filled inhibited coupling HC-PCF. , 2017, , .		1
107	Analysis and Assessment of Tube Thickness Variation Effect in Hollow-Core Inhibited Coupling Tube Lattice Fibers. , 2021, , .		1
108	Multi-meter fiber-delivery and compression of milli-Joule femtosecond laser and fiber-aided micromachining. , 2013, , .		1

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109	Large Core Acetylene-Filled Photonic Microcells Made by Tapering the Hollow-Core Fiber. , 2010, , .		1
110	Macro Bending Losses in Kagome-Lattice Fibers. , 2011, , .		1
111	Supercritical-Xenon-Filled Photonic Crystal Fiber as a Raman-Free Nonlinear Optical Medium. , 2012, , .		1
112	Cladding effect on confinement and bend losses in hypocycloid-core Kagome HC-PCF. , 2013, , .		1
113	Power-scaling a Mid-IR OPA-pumped Acetylene-filled Hollow-Core Photonic Crystal Fiber Laser. , 2016, , .		1
114	All-fiber single-mode hollow-core gas cells for stimulated raman scattering and laser frequency stabilization. , 2005, , .		0
115	Stokes amplification regimes in rotational SRS in hydrogen gas filled hollow-core PCF pumped with quasi-cw pulses. , 2005, , .		0
116	Novel gas-phase devices using hollow-core photonic bandgap fibre. , 2005, , .		0
117	Enhanced stimulated raman scattering in hollow core photonic crystal fiber by use of Fiber Bragg Grating. , 2006, , .		0
118	Integration of hollow-core-photonic crystal fiber in all-fiber devices. , 2006, , .		0
119	EIT decoherence sources in acetylene-filled hollow-core PCF. , 2006, , .		0
120	Squeezing by self induced transparency in Rb filled hollow core fibers. , 2007, , .		0
121	Fresnel zone imaging of Bloch-modes from a Hollow-Core Photonic Crystal Fiber Cladding. , 2007, , .		0
122	Low insertion-loss (1.8 dB) and vacuum-pressure all-fiber gas cell based on Hollow-Core PCF. , 2007, , .		0
123	EIT with counter-propagating probe-coupling beams in acetylene-filled HC-PCF. , 2007, , .		0
124	Large Pitch Kagome-Structured Hollow-Core PCF. , 2007, , .		0
125	Experimental Study Comparing EIT in V and Schemes in Acetylene-Filled HC-PCF. , 2007, , .		0
126	Identification of the Band-Edge Cladding Modes of a Hollow-Core Photonic Crystal Fibre. , 2007, , .		0

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127	High-Bandwidth Frequency Stabilization of a Fibre-Laser Frequency Comb. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	0
128	Gas-phase photonic materials. , 2008, , .		0
129	Large pitch hollow core honeycomb fiber. , 2008, , .		0
130	Tapered hollow-core photonic crystal fiber for cascaded Stimulated-Raman-Scattering. , 2008, , .		0
131	Sub-watt threshold CW Raman fiber-gas-laser based on H ₂ -filled hollow-core photonic crystal fiber. , 2008, , .		0
132	Quantum coherent effects with hollow-core photonic crystal fibers. , 2008, , .		0
133	Experimental comparison of electromagnetically induced transparency in acetylene-filled Kagome and triangular lattice hollow core photonic crystal fiber. , 2008, , .		0
134	Slow and Superluminal Light Pulses via EIT in a 20-metre Acetylene-filled Photonic Microcell. , 2009, , .		0
135	Large hollow-core fiber random dye laser. , 2009, , .		0
136	High harmonic generation (HHG) in a Kagome-type hollow-core photonic crystal fiber (HC-PCF). , 2009, , .		0
137	Coherence Properties of Optical Frequency Comb Generated in Large Pitch HC-PCF Filled with H ₂ . , 2009, , .		0
138	Ultra-High Reflectivity Hollow Core PCF Microcell using a Tapered Micro-Mirror. , 2010, , .		0
139	Mid-IR laser emission from a C ₂ H ₂ gas filled hollow core fiber. , 2010, , .		0
140	Towards a compact optical fibre clock. , 2010, , .		0
141	Bench Top Milli-Joule Energy-level Nanosecond Pulse Delivery through Hollow-core Fiber. , 2011, , .		0
142	Temporal Pulse Compression in a Xe-Filled Kagome-Type Hollow-Core Photonic Crystal Fiber at High Average Power. , 2011, , .		0
143	Low loss and broadband hollow-core photonic crystal fibers. , 2011, , .		0
144	Fabrication and Characterization of Ultra-large Core Size (>100 μm) Kagome Fiber for Laser Power Handling. , 2011, , .		0

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145	High resolution optical spectroscopy in hollow core fibre for use in atomic clocks. , 2011, , .		0
146	Spatiotemporal dynamics of Raman coherence in hydrogen-filled hollow core photonic crystal fibers. , 2011, , .		0
147	High average power temporal pulse compression in a Xe-filled Kagome-type hollow-core photonic crystal fiber (HC-PCF). , 2011, , .		0
148	Optical properties of low loss (70dB/km) Kagome hollow core photonic crystal fiber for Rb and Cs based optical applications. , 2012, , .		0
149	Milli-Joule laser pulse delivery and spark ignition through kagome fiber. , 2012, , .		0
150	Sub 100-fs Pulse Compression in a Hollow-Core Photonic Crystal Fiber (HC-PCF). , 2012, , .		0
151	Hollow core photonic crystal fiber optical guidance and applications. , 2013, , .		0
152	Inhibited-coupling guiding hollow core photonic crystal fibers. , 2013, , .		0
153	Inhibited coupling hollow-core photonic crystal fiber. Proceedings of SPIE, 2014, , .	0.8	0
154	High energy pulse compression regimes in hypocycloid-core kagome hollow-core photonic crystal fibers. , 2014, , .		0
155	Hollow-core fibre frequency standard. , 2014, , .		0
156	17.6 THz waveform synthesis by phase-locked Raman sidebands generation in HC-PCF. , 2014, , .		0
157	Progress towards atomic vapor photonic microcells: atomic polarization decoherence of Zeeman levels in rubidium filled HC-PCF. Proceedings of SPIE, 2014, , .	0.8	0
158	Inhibited coupling kagome fibers with ultra-large hollow-core size for high energy ultrafast laser applications. , 2015, , .		0
159	A compact single cycle driver for strong field applications based on a self-compression in a Kagome fiber. , 2015, , .		0
160	Towards a plasma-core PCF for tunable UV-DUV radiation. , 2015, , .		0
161	Sub-300 fs, 0.5 mJ pulse at 1kHz from Ho:YLF amplifier and Kagome pulse compression. , 2015, , .		0
162	Triple-cup hypocycloid-core inhibited coupling Kagome hollow-core photonic crystal fiber. , 2015, , .		0

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163	Fano resonance in inhibited coupling Kagome fiber. , 2015, , .		0
164	Kagome-type hollow-core photonic crystal fibers for beam delivery and pulse compression of high-power ultrafast lasers. , 2015, , .		0
165	Nonlinear compression of ultrafast industrial lasers in hypocycloid-core Kagome hollow-core fiber. , 2015, , .		0
166	Kagome hollow-core PCF for mid-IR photonics. , 2015, , .		0
167	Compact, integrable, and long life time Raman multiline UV-Vis source based on hypocycloid core Kagome HC-PCF. , 2017, , .		0
168	Kagome fiber based industrial laser beam delivery. , 2017, , .		0
169	Pulse-to-pulse coherence between stokes pulses generated by stimulated Raman scattering in the transient regime. , 2017, , .		0
170	Core Modal Spatial-Structuring in Inhibited-Coupling Hollow-Core Fibers. , 2019, , .		0
171	Controllable Photon-Pair Spectral Correlations. , 2019, , .		0
172	Ultra-compact 266-289 nm pair source for DIAL LIDAR based on hollow-core photonic crystal fiber. , 2021, , .		0
173	Single-mode inhibited-coupling fiber for sub-Doppler spectroscopy. , 2021, , .		0
174	Quantum seeded Sub-20 fs pulse train generation using transient SRS in H ₂ -filled inhibited coupling HC-PCF. , 2021, , .		0
175	Fabrication and characterization of Iodine Vapor Photonic Microcell. , 2021, , .		0
176	Plasma and fiber spatial multi-mode initiated stable soliton self-compression and spectral bouncing in air-filled Kagome HCPCF. , 2021, , .		0
177	Broadband Guiding Silica Hollow-Core Fibers for Gas-Phase Nonlinear and Quantum Optics. , 2008, , .		0
178	Stability of Optical Frequency References Based on Acetylene-filled Kagome-structured Hollow Core Fiber. , 2008, , .		0
179	Generation of multi-octave optical-frequency combs in a Kagome lattice hollow core photonic crystal fiber. , 2008, , .		0
180	Photonic band-gap mode due to a topological defect within a photonic crystal fiber cladding. , 2009, , .		0

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181	4OD-mediated solitonic radiations in HC-PCF cladding. , 2009, , .		0
182	First Demonstration of High Harmonic Generation (HHG) in a Hollow-Core Photonic Crystal Fiber. , 2009, , .		0
183	Compact and Portable Multiline UV & Visible Raman Lasers in Hydrogen-filled HC-PCF. , 2010, , .		0
184	Spontaneous Phase Locking in Dual-Pumped Raman Frequency Comb Generation. , 2012, , .		0
185	Atomic polarization relaxation time measurement of Rb filled hypocycloidal core shape Kagome HC-PCF. , 2013, , .		0
186	Long rubidium vapor lifetime in aluminosilicate sol-gel coated hypocycloidal core shape kagome HC-PCF. , 2013, , .		0
187	Sub-Cycle Gigawatt Peak Power Pulses Self-Compressed by Optical Shock Waves. , 2013, , .		0
188	Optics-free kagome fiber-aided laser micro-machining. , 2014, , .		0
189	Ultra-long lived atomic polarization of Rb confined in hypocycloidal Kagome HC-PCF. , 2014, , .		0
190	Ultra low-loss hypocycloid-core kagome hollow-core photonic crystal fiber for the green spectral-range applications. , 2014, , .		0
191	An integrated self-compression XUV-generation scheme based on a Kagome lattice fiber. , 2014, , .		0
192	Mode Profile of a Mid-IR Gas-filled Hollow-Core Photonic Crystal Fiber Laser. , 2015, , .		0
193	Parametric four-wave mixing in strongly driven Raman molecular gas. , 2016, , .		0
194	Sub-recoil linewidth and high power CW stimulated Raman scattering in the Lamb-Dicke regime. , 2016, , .		0
195	Low loss inhibited coupling hollow-core photonic crystal fiber with ultrabroad fundamental band. , 2016, , .		0
196	Near-Gaussian Spatial Mode from a Mid-IR Acetylene-filled Hollow-Core Fiber Laser. , 2016, , .		0
197	Atom-surface Van der Waals potential induced sub-Doppler transparencies in Rb vapor filled Kagome HC-PCF. , 2016, , .		0
198	Spectral dynamics of high power 1.8 μ m laser-pulse generated by Raman conversion of a picosecond Yb-laser in hydrogen-filled Kagome HC-PCF. , 2016, , .		0

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199	Ground-state population relaxation dynamics of polarized Rb atoms in Kagome HC-PCF. , 2016, , .		0
200	Gas, Glass and Light: The Making of Hollow Core Fiber Science and Technology. , 2018, , .		0
201	Hollow-core PCF for molecular optics and quantum information. , 2020, , .		0