

F Benabid

List of Publications by Year in descending order

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201
papers

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117625

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docs citations

202
times ranked

2529
citing authors

#	ARTICLE	IF	CITATIONS
1	Near- and middle-ultraviolet reconfigurable Raman source using a record-low UV/visible transmission loss inhibited-coupling hollow-core fiber. Optics and Laser Technology, 2022, 147, 107678.	4.6	11
2	Ultra-compact 266-289 nm pair source for DIAL LIDAR based on hollow-core photonic crystal fiber. , 2021, , .		0
3	Single-mode inhibited-coupling fiber for sub-Doppler spectroscopy. , 2021, , .		0
4	Quantum seeded Sub-20 fs pulse train generation using transient SRS in H ₂ -filled inhibited coupling HC-PCF. , 2021, , .		0
5	Fabrication and characterization of Iodine Vapor Photonic Microcell. , 2021, , .		0
6	Analysis and Assessment of Tube Thickness Variation Effect in Hollow-Core Inhibited Coupling Tube Lattice Fibers. , 2021, , .		1
7	Plasma and fiber spatial multi-mode initiated stable soliton self-compression and spectral bouncing in air-filled Kagome HCPCF. , 2021, , .		0
8	Hollow-core PCF for molecular optics and quantum information. , 2020, , .		0
9	Core Modal Spatial-Structuring in Inhibited-Coupling Hollow-Core Fibers. , 2019, , .		0
10	Controllable Photon-Pair Spectral Correlations. , 2019, , .		0
11	Active engineering of four-wave mixing spectral correlations in multiband hollow-core fibers. Optics Express, 2019, 27, 9803.	3.4	20
12	Mid IR hollow core fiber gas laser emitting at 46â€‰%â€‰%â€‰%1/4m. Optics Letters, 2019, 44, 383.	3.3	52
13	Engineering Photon-Photon Interactions within Rubidium-Filled Waveguides. Physical Review Applied, 2018, 9, .	3.8	7
14	High-efficiency cold-atom transport into a waveguide trap. Physical Review Applied, 2018, 10, .	3.8	14
15	Gas, Glass and Light: The Making of Hollow Core Fiber Science and Technology. , 2018, , .		0
16	High power Raman-converter based on H ₂ -filled inhibited coupling HC-PCF. , 2017, , .		1
17	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
18	Compact, integrable, and long life time Raman multiline UV-Vis source based on hypocycloid core Kagome HC-PCF. , 2017, , .		0

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19	Kagome fiber based industrial laser beam delivery. , 2017, , .		0
20	Ultralow transmission loss in inhibited-coupling guiding hollow fibers. Optica, 2017, 4, 209.	9.3	253
21	Gas mixture for deep-UV plasma emission in a hollow-core photonic crystal fiber. Optics Letters, 2017, 42, 3363.	3.3	9
22	Pulse-to-pulse coherence between stokes pulses generated by stimulated Raman scattering in the transient regime. , 2017, , .		0
23	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
24	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier: publisher's note. Optica, 2016, 3, 853.	9.3	2
25	X-SEA-F-SPIDER characterization of over octave spanning pulses in the infrared range. Optics Express, 2016, 24, 12713.	3.4	21
26	Kagome-fiber-based pulse compression of mid-infrared picosecond pulses from a Ho:YLF amplifier. Optica, 2016, 3, 816.	9.3	29
27	Raman gas self-organizing into deep nano-trap lattice. Nature Communications, 2016, 7, 12779.	12.8	5
28	7.7 dB/km losses in inhibited coupling hollow-core photonic crystal fibers. , 2016, , .		7
29	Hollow-Core Photonic-Bandgap Fiber Resonator for Rotation Sensing. , 2016, , .		3
30	Parametric four-wave mixing in strongly driven Raman molecular gas. , 2016, , .		0
31	Sub-recoil linewidth and high power CW stimulated Raman scattering in the Lamb-Dicke regime. , 2016, , .		0
32	Low loss inhibited coupling hollow-core photonic crystal fiber with ultrabroad fundamental band. , 2016, , .		0
33	Near-Gaussian Spatial Mode from a Mid-IR Acetylene-filled Hollow-Core Fiber Laser. , 2016, , .		0
34	Atom-surface Van der Waals potential induced sub-Doppler transparencies in Rb vapor filled Kagome HC-PCF. , 2016, , .		0
35	Power-scaling a Mid-IR OPA-pumped Acetylene-filled Hollow-Core Photonic Crystal Fiber Laser. , 2016, , .		1
36	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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37	Ground-state population relaxation dynamics of polarized Rb atoms in Kagome HC-PCF. , 2016, , .		0
38	Milli-Joule energy-level comb and supercontinuum generation in atmospheric air-filled inhibited coupling Kagome fiber. , 2015, , .		2
39	Inhibited coupling kagome fibers with ultra-large hollow-core size for high energy ultrafast laser applications. , 2015, , .		0
40	A compact single cycle driver for strong field applications based on a self-compression in a Kagome fiber. , 2015, , .		0
41	Towards a plasma-core PCF for tunable UV-DUV radiation. , 2015, , .		0
42	Sub-300 fs, 0.5 mJ pulse at 1kHz from Ho:YLF amplifier and Kagome pulse compression. , 2015, , .		0
43	Triple-cup hypocycloid-core inhibited coupling Kagome hollow-core photonic crystal fiber. , 2015, , .		0
44	Fano resonance in inhibited coupling Kagome fiber. , 2015, , .		0
45	A strong-field driver in the single-cycle regime based on self-compression in a kagome fibre. Nature Communications, 2015, 6, 6117.	12.8	179
46	Kagome-type hollow-core photonic crystal fibers for beam delivery and pulse compression of high-power ultrafast lasers. , 2015, , .		0
47	Hollow core fiber delivery of sub-ps pulses from a TruMicro 5000 Femto edition thin disk amplifier. , 2015, , .		4
48	Nonlinear compression of ultrafast industrial lasers in hypocycloid-core Kagome hollow-core fiber. , 2015, , .		0
49	CW hollow-core optically pumped L ₂ fiber gas laser. Optics Letters, 2015, 40, 605.	3.3	27
50	Kagome hollow-core PCF for mid-IR photonics. , 2015, , .		0
51	Splicing tapered inhibited-coupling hypocycloid-core Kagome fiber to SMF fibers. , 2015, , .		1
52	2.6 mJ energy and 81 GW peak power femtosecond laser-pulse delivery and spectral broadening in inhibited coupling Kagome fiber. , 2015, , .		6
53	Mode Profile of a Mid-IR Gas-filled Hollow-Core Photonic Crystal Fiber Laser. , 2015, , .		0
54	Inhibited coupling hollow-core photonic crystal fiber. Proceedings of SPIE, 2014, , .	0.8	0

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55	Ultra low-loss hypocycloid-core Kagome hollow-core photonic crystal fiber for green spectral-range applications. Optics Letters, 2014, 39, 6245.	3.3	54
56	High energy pulse compression regimes in hypocycloid-core kagome hollow-core photonic crystal fibers. , 2014, , .		0
57	Strong field applications of Gigawatt self-compressed pulses from a Kagome fiber. , 2014, , .		1
58	Multi-meter fiber-delivery and pulse self-compression of milli-Joule femtosecond laser and fiber-aided laser-micromachining. Optics Express, 2014, 22, 10735.	3.4	120
59	Microwave-driven plasmas in hollow-core photonic crystal fibres. Plasma Sources Science and Technology, 2014, 23, 015022.	3.1	14
60	Macro Bending Losses in Single-Cell Kagome-Lattice Hollow-Core Photonic Crystal Fibers. Journal of Lightwave Technology, 2014, 32, 1370-1373.	4.6	6
61	Hollow-core fibre frequency standard. , 2014, , .		0
62	Extended Duration of Rubidium Vapor in Aluminosilicate Ceramic Coated Hypocycloidal Core Kagome HC-PCF. Journal of Lightwave Technology, 2014, 32, 2486-2491.	4.6	5
63	17.6 THz waveform synthesis by phase-locked Raman sidebands generation in HC-PCF. , 2014, , .		0
64	Progress towards atomic vapor photonic microcells: atomic polarization decoherence of Zeeman levels in rubidium filled HC-PCF. Proceedings of SPIE, 2014, , .	0.8	0
65	Optics-free kagome fiber-aided laser micro-machining. , 2014, , .		0
66	Ultra-long lived atomic polarization of Rb confined in hypocycloidal Kagome HC-PCF. , 2014, , .		0
67	Ultra low-loss hypocycloid-core kagome hollow-core photonic crystal fiber for the green spectral-range applications. , 2014, , .		0
68	An integrated self-compressionâ€™XUV-generation scheme based on a Kagome lattice fiber. , 2014, , .		0
69	High-efficiency cross-phase modulation in a gas-filled waveguide. Physical Review A, 2013, 88, .	2.5	31
70	Hollow core photonic crystal fiber optical guidance and applications. , 2013, , .		0
71	High-resolution two-photon spectroscopy of rubidium within a confined geometry. Physical Review A, 2013, 87, .	2.5	31
72	Two-color rubidium fiber frequency standard. Optics Letters, 2013, 38, 2122.	3.3	13

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73	Supercritical xenon-filled hollow-core photonic bandgap fiber. Optics Express, 2013, 21, 13726.	3.4	13
74	Generation and confinement of microwave gas-plasma in photonic dielectric microstructure. Optics Express, 2013, 21, 25509.	3.4	28
75	Hypocycloid-shaped hollow-core photonic crystal fiber Part I: Arc curvature effect on confinement loss. Optics Express, 2013, 21, 28597.	3.4	150
76	Hypocycloid-shaped hollow-core photonic crystal fiber Part II: Cladding effect on confinement and bend loss. Optics Express, 2013, 21, 28609.	3.4	71
77	Inhibited-coupling guiding hollow core photonic crystal fibers. , 2013, , .		0
78	Progress towards atomic vapor photonic microcells: Coherence and polarization relaxation measurements in coated and uncoated HC-PCF. Proceedings of SPIE, 2013, , .	0.8	1
79	Angle splice of large-core kagome hollow-core photonic crystal fiber for gas-filled microcells. , 2013, , .		3
80	Milli-Joule femtosecond laser-pulse delivery and compression in hypocycloid core Kagome HC-PCF. , 2013, , .		2
81	Multi-meter fiber-delivery and compression of milli-Joule femtosecond laser and fiber-aided micromachining. , 2013, , .		1
82	Cups curvature effect on confinement loss in hypocycloid-core Kagome HC-PCF. , 2013, , .		2
83	Atomic polarization relaxation time measurement of Rb filled hypocycloidal core shape Kagome HC-PCF. , 2013, , .		0
84	Long rubidium vapor lifetime in aluminosilicate sol-gel coated hypocycloidal core shape kagome HC-PCF. , 2013, , .		0
85	Sub-Cycle Gigawatt Peak Power Pulses Self-Compressed by Optical Shock Waves. , 2013, , .		0
86	Cladding effect on confinement and bend losses in hypocycloid-core Kagome HC-PCF. , 2013, , .		1
87	Millijoule laser pulse delivery for spark ignition through kagome hollow-core fiber. Optics Letters, 2012, 37, 1430.	3.3	37
88	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
89	Characterization of mid-infrared emissions from C ₂ H ₂ , CO, CO ₂ , and HCN-filled hollow fiber lasers. Proceedings of SPIE, 2012, , .	0.8	12
90	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

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91	Low loss Kagome hollow-core photonic crystal fiber for high power fast laser beam transportation and pulse compression. , 2012, , .		2
92	Optical properties of low loss (70dB/km) Kagome hollow core photonic crystal fiber for Rb and Cs based optical applications. , 2012, , .		0
93	Milli-Joule laser pulse delivery and spark ignition through kagome fiber. , 2012, , .		0
94	Photonic Microcell: A Revival Tool for Gas Lasers. , 2012, , .		3
95	Sub 100-fs Pulse Compression in a Hollow-Core Photonic Crystal Fiber (HC-PCF). , 2012, , .		0
96	High-resolution optical spectroscopy in a hollow-core photonic crystal fiber. Physical Review A, 2012, 85, .	2.5	18
97	Hollow-core Optical Fiber Gas Lasers (HOFGLAS): a review [Invited]. Optical Materials Express, 2012, 2, 948.	3.0	92
98	Supercritical-Xenon-Filled Photonic Crystal Fiber as a Raman-Free Nonlinear Optical Medium. , 2012, , .		1
99	Spontaneous Phase Locking in Dual-Pumped Raman Frequency Comb Generation. , 2012, , .		0
100	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
101	Low loss broadband transmission in hypocycloid-core Kagome hollow-core photonic crystal fiber. Optics Letters, 2011, 36, 669.	3.3	364
102	Linear and nonlinear optical properties of hollow core photonic crystal fiber. Journal of Modern Optics, 2011, 58, 87-124.	1.3	186
103	UV light generation induced by microwave microplasma in hollow-core optical waveguides. , 2011, , .		1
104	Bench Top Milli-Joule Energy-level Nanosecond Pulse Delivery through Hollow-core Fiber. , 2011, , .		0
105	Temporal Pulse Compression in a Xe-Filled Kagome-Type Hollow-Core Photonic Crystal Fiber at High Average Power. , 2011, , .		0
106	Large-core photonic microcells for coherent optics and laser metrology. Proceedings of SPIE, 2011, , .	0.8	1
107	Low loss and broadband hollow-core photonic crystal fibers. , 2011, , .		0
108	Fabrication and Characterization of Ultra-large Core Size ($>100 \mu\text{m}$) Kagome Fiber for Laser Power Handling. , 2011, , .		0

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109	High resolution optical spectroscopy in hollow core fibre for use in atomic clocks. , 2011, , .		0
110	Spatiotemporal dynamics of Raman coherence in hydrogen-filled hollow core photonic crystal fibers. , 2011, , .		0
111	High average power temporal pulse compression in a Xe-filled Kagome-type hollow-core photonic crystal fiber (HC-PCF). , 2011, , .		0
112	Macro Bending Losses in Kagome-Lattice Fibers. , 2011, , .		1
113	EIT-based slow and fast light in an all-fiber system. , 2010, , .		1
114	Low loss broadband transmission in optimized core-shape Kagome Hollow-Core PCF. , 2010, , .		35
115	Ultra-High Reflectivity Hollow Core PCF Microcell using a Tapered Micro-Mirror. , 2010, , .		0
116	High Power 55 Watts CW Raman Fiber-Gas-Laser. , 2010, , .		2
117	Efficient generation of broad Raman sidebands in a kagome-lattice-type photonic crystal fiber. , 2010, , .		2
118	Quantum theory of phase correlations in optical frequency combs generated by stimulated Raman scattering. Physical Review A, 2010, 82, .	2.5	14
119	Quantum-Fluctuation-Initiated Coherence in Multioctave Raman Optical Frequency Combs. Physical Review Letters, 2010, 105, 123603.	7.8	43
120	Widely tunable femtosecond solitonic radiation in photonic crystal fiber cladding. Physical Review A, 2010, 81, .	2.5	10
121	Matched cascade of bandgap-shift and frequency-conversion using stimulated Raman scattering in a tapered hollow-core photonic crystal fibre. Optics Express, 2010, 18, 12381.	3.4	15
122	Compact and portable multiline UV and visible Raman lasers in hydrogen-filled HC-PCF. Optics Letters, 2010, 35, 1127.	3.3	30
123	Strictly-bound modes of an idealised hollow-core fibre without a photonic bandgap. , 2010, , .		1
124	Mid-IR laser emission from a C∞2$/\infty$H∞2$/\infty$ gas filled hollow core fiber. , 2010, , .		0
125	Towards a compact optical fibre clock. , 2010, , .		0
126	Large Core Acetylene-Filled Photonic Microcells Made by Tapering the Hollow-Core Fiber. , 2010, , .		1

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127	Compact and Portable Multiline UV & Visible Raman Lasers in Hydrogen-filled HC-PCF. , 2010, , .		0
128	First high harmonic generation (HHG) in a photonic crystal fiber (PCF). , 2009, , .		1
129	Slow and Superluminal Light Pulses via EIT in a 20-metre Acetylene-filled Photonic Microcell. , 2009, , .		0
130	Large hollow-core fiber random dye laser. , 2009, , .		0
131	High harmonic generation (HHG) in a Kagome-type hollow-core photonic crystal fiber (HC-PCF). , 2009, , .		0
132	High harmonic generation in a gas-filled hollow-core photonic crystal fiber. Applied Physics B: Lasers and Optics, 2009, 97, 369-373.	2.2	93
133	Frequency stabilisation of a fibre-laser comb using a novel microstructured fibre. Optics Express, 2009, 17, 5897.	3.4	9
134	Optical frequency comb generation in gas-filled hollow core photonic crystal fibres. Journal of Optics, 2009, 11, 103002.	1.5	15
135	Electromagnetically induced transparency in acetylene molecules with counterpropagating beams in V and \hat{b} schemes. Applied Physics Letters, 2009, 94, 141103.	3.3	28
136	Coherence Properties of Optical Frequency Comb Generated in Large Pitch HC-PCF Filled with H ₂ . , 2009, , .		0
137	Hollow-core photonic crystal fibers for integrated mid infrared sources. Proceedings of SPIE, 2009, , .	0.8	1
138	Photonic band-gap mode due to a topological defect within a photonic crystal fiber cladding. , 2009, , .		0
139	4OD-mediated solitonic radiations in HC-PCF cladding. , 2009, , .		0
140	First Demonstration of High Harmonic Generation (HHG) in a Hollow-Core Photonic Crystal Fiber. , 2009, , .		0
141	Core-Surround Shaping of Hollow-Core Photonic Crystal Fiber Via HF Etching. IEEE Photonics Technology Letters, 2008, 20, 1018-1020.	2.5	13
142	Fourth-order dispersion mediated solitonic radiations in HC-PCF cladding. Optics Letters, 2008, 33, 2680.	3.3	29
143	Square-lattice large-pitch hollow-core photonic crystal fiber. Optics Express, 2008, 16, 20626.	3.4	56
144	Gas-phase photonic materials. , 2008, , .		0

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145	Large pitch hollow core honeycomb fiber. , 2008, , .		0
146	Tapered hollow-core photonic crystal fiber for cascaded Stimulated-Raman-Scattering. , 2008, , .		0
147	Sub-watt threshold CW Raman fiber-gas-laser based on H ₂ -filled hollow-core photonic crystal fiber. , 2008, , .		0
148	Quantum coherent effects with hollow-core photonic crystal fibers. , 2008, , .		0
149	Experimental comparison of electromagnetically induced transparency in acetylene-filled kagome and triangular lattice hollow core photonic crystal fiber. , 2008, , .		0
150	Observation of anti-crossing events via mode-pattern rotation in HC-PCF. , 2008, , .		1
151	Guidance mechanisms in hollow-core photonic crystal fiber. , 2008, , .		4
152	Nonlinear effects in a silica-node of a hollow-core photonic crystal fiber within the photonic bandgap. , 2008, , .		1
153	Dispersion properties of Kagome hollow-core fibers. , 2008, , .		1
154	Broadband Guiding Silica Hollow-Core Fibers for Gas-Phase Nonlinear and Quantum Optics. , 2008, , .		0
155	Stability of Optical Frequency References Based on Acetylene-filled Kagome-structured Hollow Core Fiber. , 2008, , .		0
156	Generation of multi-octave optical-frequency combs in a Kagome lattice hollow core photonic crystal fiber. , 2008, , .		0
157	Squeezing by self induced transparency in Rb filled hollow core fibers. , 2007, , .		0
158	Sub-Wavelength Intensity Profiles and Field Enhancement within an Optical Fiber. , 2007, , .		1
159	Fresnel zone imaging of Bloch-modes from a Hollow-Core Photonic Crystal Fiber Cladding. , 2007, , .		0
160	Low insertion-loss (1.8 dB) and vacuum-pressure all-fiber gas cell based on Hollow-Core PCF. , 2007, , .		0
161	Low Insertion-Loss (1.8 dB) and Vacuum-Pressure All-Fiber Acetylene Cell Based on Hollow-Core PCF. , 2007, , .		2
162	EIT with counter-propagating probe-coupling beams in acetylene-filled HC-PCF. , 2007, , .		0

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163	Electromagnetically induced transparency in Rb-filled coated hollow-core photonic crystal fiber. Optics Letters, 2007, 32, 1323.	3.3	79
164	Identification of Bloch-modes in hollow-core photonic crystal fiber cladding. Optics Express, 2007, 15, 325.	3.4	73
165	Large Pitch Kagome-Structured Hollow-Core PCF. , 2007, , .		0
166	Experimental Study Comparing EIT in V and π -Schemes in Acetylene-Filled HC-PCF. , 2007, , .		0
167	Identification of the Band-Edge Cladding Modes of a Hollow-Core Photonic Crystal Fibre. , 2007, , .		0
168	High-Bandwidth Frequency Stabilization of a Fibre-Laser Frequency Comb. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	0
169	Enhanced SRS in H ₂ filled hollow core photonic crystal fibre by use of fibre Bragg grating. Journal of Optics, 2007, 9, 156-159.	1.5	14
170	Subwatt Threshold cw Raman Fiber-Gas Laser Based on H_2 -Filled Hollow-Core Photonic Crystal Fiber. Physical Review Letters, 2007, 99, 143903.	7.8	115
171	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
172	Field enhancement within an optical fibre with a subwavelength air core. Nature Photonics, 2007, 1, 115-118.	31.4	162
173	Generation and Photonic Guidance of Multi-Octave Optical-Frequency Combs. Science, 2007, 318, 1118-1121.	12.6	451
174	Enhanced stimulated raman scattering in hollow core photonic crystal fiber by use of Fiber Bragg Grating. , 2006, , .		0
175	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
176	Large-pitch kagome-structured hollow-core photonic crystal fiber. Optics Letters, 2006, 31, 3574.	3.3	273
177	Experimental demonstration of the frequency shift of bandgaps in photonic crystal fibers due to refractive index scaling. Optics Express, 2006, 14, 3000.	3.4	92
178	Integration of hollow-core-photonic crystal fiber in all-fiber devices. , 2006, , .		0
179	Hollow-core photonic bandgap fibre: new light guidance for new science and technology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 3439-3462.	3.4	123
180	Electromagnetically induced transparency and saturable absorption in all-fiber devices based on 12C ₂ H ₂ -filled hollow-core photonic crystal fiber. Optics Communications, 2006, 263, 28-31.	2.1	49

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181	EIT decoherence sources in acetylene-filled hollow-core PCF. , 2006, , .		0
182	Electromagnetically-induced transparency and saturable absorption in all-fiber devices based on acetylene-filled hollow-core PCF. , 2006, , .		1
183	All-fiber single-mode hollow-core gas cells for stimulated raman scattering and laser frequency stabilization. , 2005, , .		0
184	Compact, stable and efficient all-fibre gas cells using hollow-core photonic crystal fibres. Nature, 2005, 434, 488-491.	27.8	479
185	Nonlinear effects due to interface modes in a hollow-core photonic crystal fiber. , 2005, , .		1
186	Stokes amplification regimes in rotational SRS in hydrogen gas filled hollow-core PCF pumped with quasi-cw pulses. , 2005, , .		0
187	Novel gas-phase devices using hollow-core photonic bandgap fibre. , 2005, , .		0
188	Stokes Amplification Regimes in Quasi-cw Pumped Hydrogen-Filled Hollow-Core Photonic Crystal Fiber. Physical Review Letters, 2005, 95, 213903.	7.8	56
189	Electromagnetically-induced transparency grid in acetylene-filled hollow-core PCF. Optics Express, 2005, 13, 5694.	3.4	93
190	Ultrahigh Efficiency Laser Wavelength Conversion in a Gas-Filled Hollow Core Photonic Crystal Fiber by Pure Stimulated Rotational Raman Scattering in Molecular Hydrogen. Physical Review Letters, 2004, 93, 123903.	7.8	172
191	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
192	Modelling of a novel hollow-core photonic crystal fibre. , 2003, , .		12
193	Particle levitation and guidance in hollow-core photonic crystal fiber. Optics Express, 2002, 10, 1195.	3.4	167
194	Stimulated Raman Scattering in Hydrogen-Filled Hollow-Core Photonic Crystal Fiber. Science, 2002, 298, 399-402.	12.6	926
195	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
196	X-ray induced absorption of high-purity sapphire and investigation of the origin of the residual absorption at 1064 nm. Journal Physics D: Applied Physics, 2000, 33, 589-594.	2.8	23
197	Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors. Optics Communications, 1999, 167, 7-13.	2.1	16
198	Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors:. Optics Communications, 1999, 170, 9-14.	2.1	6

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199	Birefringence measurements of sapphire test masses for laser interferometer gravitational wave detector. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 237, 337-342.	2.1	13
200	Hollow core photonic crystal fibers: a new regime for nonlinear optics and laser-induced guidance. , 0, , .		2
201	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