Fei Yu

List of Publications by Year
in descending order

109 papers	2,092 citations	361413 20 h-index	243625 44 g-index
110 all docs	110 docs citations	110 times ranked	1038 citing authors

#	ARTICLE	IF	CITATIONS
1	Low loss silica hollow core fibers for 3â€“4 Î¼m spectral region. Optics Express, 2012, 20, 11153.	3.4	357
2	Negative Curvature Hollow-Core Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 146-155.	2.9	200
3	Spectral attenuation limits of silica hollow core negative curvature fiber. Optics Express, 2013, 21, 21466.	3.4	119
4	Cavity-based mid-IR fiber gas laser pumped by a diode laser. Optica, 2016, 3, 218.	9.3	116
5	Picosecond and nanosecond pulse delivery through a hollow-core Negative Curvature Fiber for micro-machining applications. Optics Express, 2013, 21, 22742.	3.4	96
6	Flexible delivery of Er:YAG radiation at 294 Âµm with negative curvature silica glass fibers: a new solution for minimally invasive surgical procedures. Biomedical Optics Express, 2013, 4, 193.	2.9	77
7	Efficient diode-pumped mid-infrared emission from acetylene-filled hollow-core fiber. Optics Express, 2014, 22, 21872.	3.4	67
8	Antiresonant Hollow-Core Fiber-Based Dual Gas Sensor for Detection of Methane and Carbon Dioxide in the Near- and Mid-Infrared Regions. Sensors, 2020, 20, 3813.	3.8	60
9	Efficient 1.9â€‰<i>Î¼</i>m emission in H₂-filled hollow core fiber by pure stimulated vibrational Raman scattering. Laser Physics Letters, 2014, 11, 105807.	1.4	59
10	Single-mode solarization-free hollow-core fiber for ultraviolet pulse delivery. Optics Express, 2018, 26, 10879.	3.4	59
11	Mid-infrared 1â€‰â€‰W hollow-core fiber gas laser source. Optics Letters, 2017, 42, 4055.	3.3	58
12	High energy green nanosecond and picosecond pulse delivery through a negative curvature fiber for precision micro-machining. Optics Express, 2015, 23, 8498.	3.4	55
13	Attenuation limit of silica-based hollow-core fiber at mid-IR wavelengths. APL Photonics, 2019, 4, .	5.7	54
14	Achieving a 15 Î¼m fiber gas Raman laser source with about 400 kW of peak power and a 63 GHz linewidth. Optics Letters, 2016, 41, 5118.	3.3	51
15	Experimental study of low-loss single-mode performance in anti-resonant hollow-core fibers. Optics Express, 2016, 24, 12969.	3.4	44
16	Measurement of resonant bend loss in anti-resonant hollow core optical fiber. Optics Express, 2017, 25, 20612.	3.4	40
17	Delivery of CW laser power up to 300 watts at 1080â€…nm by an uncooled low-loss anti-resonant hollow-core fiber. Optics Express, 2021, 29, 1492.	3.4	33
18	Endoscopic sensing of alveolar pH. Biomedical Optics Express, 2017, 8, 243.	2.9	31

#	Article	IF	Citations
19	Long-term uplift of high-speed railway subgrade caused by swelling effect of red-bed mudstone: case study in Southwest China. Bulletin of Engineering Geology and the Environment, 2021, 80, 4855-4869.	3.5	27
20	Femtosecond pulsed laser ablation to enhance drug delivery across the skin. Journal of Biophotonics, 2016, 9, 144-154.	2.3	21
21	Emission properties of Pr3+-doped aluminosilicate glasses at visible wavelengths. Journal of Luminescence, 2020, 220, 117013.	3.1	21
22	Silica hollow core microstructured fibres for mid-infrared surgical applications. Journal of Non-Crystalline Solids, 2013, 377, 236-239.	3.1	20
23	Silica hollow core microstructured fibers for beam delivery in industrial and medical applications. Frontiers in Physics, 2015, 3, .	2.1	20
24	Understanding the material loss of anti-resonant hollow-core fibers. Optics Express, 2020, 28, 11840.	3.4	20
25	Tunable fibreâ€coupled multiphoton microscopy with a negative curvature fibre. Journal of Biophotonics, 2016, 9, 715-720.	2.3	19
26	Visible emission and energy transfer in Tb³⁺/Dy³⁺ coâ€doped phosphate glasses. Journal of the American Ceramic Society, 2020, 103, 6847-6859.	3.8	19
27	Highly birefringent 98-core fiber. Optics Letters, 2014, 39, 4568.	3.3	17
28	Quasi-phase-matched high-harmonic generation in gas-filled hollow-core photonic crystal fiber. Optica, 2019, 6, 442.	9.3	17
29	Continuous-Wave Mid-Infrared Gas Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	16
30	Sub parts-per-billion detection of ethane in a 30-meters long mid-IR Antiresonant Hollow-Core Fiber. Optics and Laser Technology, 2022, 147, 107638.	4.6	16
31	Flexible single-mode delivery of a high-power 2â€‰â€‰Î¼m pulsed laser using an antiresonant hollow-core fiber. Optics Letters, 2018, 43, 2732.	3.3	15
32	Ultraâ€low background Raman sensing using a negativeâ€curvature fibre and no distal optics. Journal of Biophotonics, 2019, 12, e201800239.	2.3	15
33	Luminescence properties and energy transfer behavior of Dy3+/Tm 3+ co-doped phosphate glasses with high moisture-resistance and thermal stability for W-LEDs. Journal of Luminescence, 2021, 236, 118087.	3.1	14
34	Reinforcement Mechanism and Optimisation of Reinforcement Approach of a High and Steep Slope Using Prestressed Anchor Cables. Applied Sciences (Switzerland), 2020, 10, 266.	2.5	12
35	In vivo multiphoton microscopy using a handheld scanner with lateral and axial motion compensation. Journal of Biophotonics, 2018, 11, e201700131.	2.3	11
36	Photoionization-assisted, high-efficiency emission of a dispersive wave in gas-filled hollow-core photonic crystal fibers. Optics Express, 2020, 28, 17076.	3.4	11

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37	Continuously wavelength-tunable blueshifting soliton generated in gas-filled photonic crystal fibers. Optics Letters, 2019, 44, 1805.	3.3	11
38	High fidelity fibre-based physiological sensing deep in tissue. Scientific Reports, 2019, 9, 7713.	3.3	10
39	Ionization-induced adiabatic soliton compression in gas-filled hollow-core photonic crystal fibers. Optics Letters, 2019, 44, 5562.	3.3	10
40	Spiral scanning fiber-optic two-photon endomicroscopy with a double-cladding antiresonant fiber. Optics Express, 2021, 29, 43124.	3.4	9
41	Time-Resolved Spectroscopy of Fluorescence Quenching in Optical Fibre-Based pH Sensors. Sensors, 2020, 20, 6115.	3.8	8
42	Dynamics of Trace Methane Diffusion/Flow Into Hollow Core Fiber Using Laser Absorption Spectroscopy. IEEE Sensors Journal, 2021, 21, 6287-6292.	4.7	8
43	Experimental and numerical analysis of gas flow in nodeless antiresonant hollow-core fibers for optimization of laser gas spectroscopy sensors. Optics and Laser Technology, 2022, 152, 108157.	4.6	8
44	Reduced Repetition Rate Yb3+ Mode-Locked Picosecond Fiber Laser With Hollow Core Fiber. IEEE Photonics Technology Letters, 2016, 28, 669-672.	2.5	7
45	Remote monitoring for a high-speed railway subgrade structure state in a mountainous area and its response analysis. Bulletin of Engineering Geology and the Environment, 2018, 77, 409-427.	3.5	7
46	Double Clad Fiber Improves the Performance of a Single-Ended Optical Fiber Sensor. Journal of Lightwave Technology, 2018, 36, 3999-4005.	4.6	7
47	Dependence of Waveguide Properties of Anti-Resonant Hollow-Core Fiber on Refractive Index of Cladding Material. Journal of Lightwave Technology, 2019, 37, 5593-5699.	4.6	7
48	Negative-Curvature Anti-Resonant Fiber Coupling Tolerances. Journal of Lightwave Technology, 2019, 37, 5548-5554.	4.6	7
49	Inverse Design of Equivalent-Graded-Index Photonic-Crystal Fiber Based on Empirical Dispersion Formula. Journal of Lightwave Technology, 2021, 39, 5598-5603.	4.6	7
50	Fabrication of Microchannels in a Nodeless Antiresonant Hollow-Core Fiber Using Femtosecond Laser Pulses. Sensors, 2021, 21, 7591.	3.8	7
51	Step-index fluoride fibers with all-normal dispersion for coherent mid-infrared supercontinuum generation. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2972.	2.1	6
52	Highly-tunable, visible ultrashort pulses generation by soliton-plasma interactions in gas-filled single-ring photonic crystal fibers. Optics Express, 2019, 27, 30798.	3.4	6
53	Dispersion measurement of microstructured negative curvature hollow core fiber. Optical Engineering, 2016, 55, 116106.	1.0	5
54	Continuous-Wave 3.1 Î¼m Gas Fiber Laser with 0.47 W Output Power. , 2017, , .		5

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55	Study of photodarkening mechanism of Tb3+-activated silica, phosphate, fluorophosphate, and fluoride glasses. Optical Materials, 2022, 127, 112329.	3.6	5
56	Two-photon endomicroscopy with microsphere-spliced double-cladding antiresonant fiber for resolution enhancement. Optics Express, 2022, 30, 26090.	3.4	5
57	Laser-Induced damage of Anti-Resonant Hollow-Core Fiber for High-Power Laser Delivery at 1 Î¼m. Optics Letters, 0, , .	3.3	5
58	Reducing Nonlinear Limitations of Ytterbium Mode-Locked Fibre Lasers with Hollow-Core Negative Curvature Fibre. , 2015, , .		4
59	Negative curvature fibres: exploiting the potential for novel optical sensors. , 2015, , .		4
60	Low loss anti-resonant hollow-core fibers and applications. , 2017, , .		4
61	45W 2 Âµm Nanosecond Pulse Delivery Using Antiresonant Hollow-Core Fiber. , 2018, , .		4
62	Laboratory Model Tests on Flow Erosion Failure Mechanism of a Slope Consisting of Anqing Group Clay Gravel Layer. Geofluids, 2021, 2021, 1-14.	0.7	4
63	Photoionization-Induced Broadband Dispersive Wave Generated in an Ar-Filled Hollow-Core Photonic Crystal Fiber. Crystals, 2021, 11, 180.	2.2	3
64	Photodarkening mechanisms of Pr³⁺ singly doped and Pr³⁺/Ce³⁺ coâ€doped silicate glasses and fibers. Journal of the American Ceramic Society, 2022, 105, 3291-3302.	3.8	3
65	Temperature-Dependent Group Delay of Photonic-Bandgap Hollow-Core Fiber Tuned by Surface-Mode Coupling. Optics Express, 2022, 30, 222.	3.4	3
66	Macro- and Microresearch on Swelling Characteristics and Deformation Mechanism of Red-Bed Mudstone in Central Sichuan, China. Geofluids, 2022, 2022, 1-18.	0.7	3
67	High peak power nanosecond and picosecond pulse delivery through a hollow-core Negative Curvature Fiber in the green spectral region for micro-machining. , 2014, , .		2
68	Fugitive methane leak detection using mid-infrared hollow-core photonic crystal fiber containing ultrafast laser drilled side-holes. , 2016, , .		2
69	Pulsed and CW Mid-infrared Acetylene Gas Hollow-Core Fiber Laser. , 2016, , .		2
70	Micro-joule level visible supercontinuum generation in seven-core photonic crystal fibers pumped by a 515â€‰â€‰nm laser. Optics Letters, 2019, 44, 5041.	3.3	2
71	Delivery of high-power nanosecond and picosecond pulses through a hollow-core Negative Curvature Fibre for micro-machining applications. , 2013, , .		1
72	Out of the Blue and into the Black - Silica Fibers for the Mid-IR. , 2014, , .		1

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73	Synchronously Pumped Mid-IR Hollow Core Fiber Gas Laser. , 2015, , .		1
74	Low-Loss Anti-Resonant Hollow-Core Fibers with Single-Mode Performance. , 2016, , .		1
75	Low-Loss Silica Hollow-Core Fiber for UV. , 2017, , .		1
76	A Double-Cladding Single Polarization Photonic Crystal Fiber and Its Structure Deviation Tolerance. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	1
77	A Simulation Study on the Swelling and Shrinking Behaviors of Nanosized Montmorillonite Based on Monte Carlo and Molecular Dynamics. Geofluids, 2021, 2021, 1-13.	0.7	1
78	Line-tunable CW Lasing of Mid-infrared Acetylene Gas Hollow Core Fiber Laser. , 2016, , .		1
79	Useful Light from Photonic Crystal Fibres. , 2016, , .		1
80	High-efficient subwavelength-scale optofluidic waveguides with tapered microstructured optical fibers. Optics Express, 2021, 29, 38068.	3.4	1
81	A hollow-core Negative Curvature Fibre for efficient delivery of NIR picosecond and femtosecond pulses for precision micro-machining. , 2013, , .		1
82	Extended Self-Similar Pulse Evolution in a Laser with Dispersion-Decreasing Fiber. , 2013, , .		1
83	High Peak-Power Narrow Linewidth 1.9 Î¼m Fiber Gas Raman Source. , 2016, , .		1
84	Gas Sensing with Hollow Core Fiber for Leak Detection and Localization. , 2016, , .		1
85	Coherent Supercontinuum Generation in Step-Index Heavily Ge-Doped Silica Fibers With All Normal Dispersion. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	1
86	On the characteristics of the cone penetration value and its correlation with bearing capacity for recently sedimentary layer in Huaibei plain. , 2011, , .		0
87	Flexible delivery of Er:YAG radiation at 2.94 Î¼m with novel hollow-core silica glass fibres: demonstration of tissue ablation. , 2013, , .		0
88	Limits of Hollow Core Negative Curvature Fiber. , 2013, , .		0
89	Highly birefringent multicore optical fibers. , 2014, , .		0
90	High-power femtosecond fiber lasers based on self-similar pulse evolution. Proceedings of SPIE, 2014, , .	0.8	0

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91	Hollow core fibers for optically pumped mid-IR fiber lasers. , 2015, , .		0
92	2-micron Pulse compression using gas-filled negative curvature hollow-core fiber. , 2017, , .		0
93	Multimode quasi-phase-matching of high-order harmonic generation in gas-filled photonic crystal fibers. , 2017, , .		0
94	Gas filled hollow core mid-IR fibre lasers. , 2017, , .		0
95	High harmonic generation in gas-filled photonic crystal fibers. , 2017, , .		0
96	Photonic crystal fibers: where from, where to?. , 2018, , .		0
97	A Step-Index Silicate Nonlinear Fiber With All Normal Flattened Dispersion for Coherent Supercontinuum. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	0
98	Developing Novel Fibres for Endoscopic Imaging and Sensing. , 2019, , .		0
99	Modelling of pressure-driven gas flow in a nodeless Anti-Resonant Hollow Core Fiber for laser absorption spectroscopy. , 2021, , .		0
100	Low Loss (34 dB/km) Silica Hollow Core Fiber for the 3 Î¼m Spectral Region. , 2012, , .		0
101	Silica Hollow Core Fibers for Mid-IR Wavelengths. , 2013, , .		0
102	Single-Pass High-Gain 1.9 Î¼m Optical Fiber Gas Raman Laser. Guangxue Xuebao/Acta Optica Sinica, 2014, 34, 0814004.	1.2	0
103	Diode-Pumped Single-Pass Mid-Infrared Fiber Gas Laser. Guangxue Xuebao/Acta Optica Sinica, 2014, 34, 1014002.	1.2	0
104	1.9 Î¼m Coherent Source Generation in Hydrogen-Filled Hollow Core Fiber by Stimulated Raman Scattering. , 2014, , .		0
105	High Peak-Power, Narrow Linewidth, 1.5 Î¼m Fiber Gas Source Generation by Stimulated Raman Scattering of Ethane. , 2016, , .		0
106	About 400 kW Peak-Power, 7.5 GHz Linewidth, 1.5 Î¼m Fiber Gas Raman Source. , 2016, , .		0
107	Quasi-phase-matched high harmonic generation in gas-filled photonic crystal fibers. , 2017, , .		0
108	World-Beating Performance from Hollow Core Fibers. , 2018, , .		0

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109	Study of Spectroscopic Properties of Pr3+ and Tb3+-Doped Glasses as Gain Fiber Materials. , 2020, , .		0