

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9361054/wei-jin-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	2,766 citations	27 h-index	50 g-index
108 ext. papers	3,560 ext. citations	5.1 avg, IF	5.17 L-index

#	Paper	IF	Citations
93	Design and modeling of a photonic crystal fiber gas sensor. <i>Applied Optics</i> , 2003 , 42, 3509-15	1.7	192
92	Fusion Splicing Photonic Crystal Fibers and Conventional Single-Mode Fibers: Microhole Collapse Effect. <i>Journal of Lightwave Technology</i> , 2007 , 25, 3563-3574	4	180
91	Fiber-Optic Fabry-Pérot Acoustic Sensor With Multilayer Graphene Diaphragm. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 932-935	2.2	158
90	Temperature-insensitive Interferometer using a highly birefringent photonic Crystal fiber loop mirror. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2535-2537	2.2	143
89	Ultra-sensitive all-fibre photothermal spectroscopy with large dynamic range. <i>Nature Communications</i> , 2015 , 6, 6767	17.4	132
88	Long period gratings in air-core photonic bandgap fibers. <i>Optics Express</i> , 2008 , 16, 2784-90	3.3	97
87	A Compact Fiber-Tip Micro-Cavity Sensor for High-Pressure Measurement. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1561-1563	2.2	86
86	Fusion splicing small-core photonic crystal fibers and single-mode fibers by repeated arc discharges. <i>Optics Letters</i> , 2007 , 32, 115-7	3	81
85	Fast Response Microstructured Optical Fiber Methane Sensor With Multiple Side-Openings. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 296-298	2.2	76
84	Field Pullout Testing and Performance Evaluation of GFRP Soil Nails. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011 , 137, 633-642	3.4	74
83	3D Metaphotonic Nanostructures with Intrinsic Chirality. <i>Advanced Functional Materials</i> , 2018 , 28, 1803147.6	14.6	73
82	Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling. <i>Advanced Materials</i> , 2020 , 32, e1906751	24	68
81	Design of single-polarization single-mode photonic crystal fiber at 1.30 and 1.55 μm . <i>Journal of Lightwave Technology</i> , 2006 , 24, 825-830	4	64
80	Core-shell nanoarchitecture: a strategy to significantly enhance white-light upconversion of lanthanide-doped nanoparticles. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4313	7.1	57
79	Structural long period gratings made by drilling micro-holes in photonic crystal fibers with a femtosecond infrared laser. <i>Optics Express</i> , 2010 , 18, 5496-503	3.3	55
78	Electron Transport Across Plasmonic Molecular Nanogaps Interrogated with Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2018 , 12, 6492-6503	16.7	52
77	Monitoring Internal Displacements of a Model Dam Using FBG Sensing Bars. <i>Advances in Structural Engineering</i> , 2010 , 13, 249-261	1.9	49

76	Towards high sensitivity gas detection with hollow-core photonic bandgap fibers. <i>Optics Express</i> , 2014 , 22, 24894-907	3.3	48
75	Hollow-core fiber Fabry-Perot photothermal gas sensor. <i>Optics Letters</i> , 2016 , 41, 3025-8	3	46
74	Roadmap on optical sensors. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19,	1.7	45
73	Mode-phase-difference photothermal spectroscopy for gas detection with an anti-resonant hollow-core optical fiber. <i>Nature Communications</i> , 2020 , 11, 847	17.4	42
72	Hollow-Core Microstructured Optical Fiber Gas Sensors. <i>Journal of Lightwave Technology</i> , 2017 , 35, 3413-3424	4.0	40
71	Directional Bend Sensing With a CO ₂ -Laser-Inscribed Long Period Grating in a Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , 2009 , 27, 4884-4891	4	38
70	Pulsed photothermal interferometry for spectroscopic gas detection with hollow-core optical fibre. <i>Scientific Reports</i> , 2016 , 6, 39410	4.9	38
69	Performance analysis of a time-division-multiplexed fiber Bragg grating sensor array by use of a tunable laser source. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2000 , 6, 741-749	3.8	36
68	Interferometric signals in fiber optic methane sensors with wavelength modulation of the DFB laser source. <i>Journal of Lightwave Technology</i> , 1998 , 16, 43-53	4	36
67	Defining Deep-Subwavelength-Resolution, Wide-Color-Gamut, and Large-Viewing-Angle Flexible Subtractive Colors with an Ultrathin Asymmetric FabryPerot Lossy Cavity. <i>Advanced Optical Materials</i> , 2019 , 7, 1900646	8.1	31
66	Temperature sensitivity of a two-mode photonic crystal fiber interferometric sensor. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2168-2170	2.2	27
65	Interference characteristics in a FabryPerot cavity with graphene membrane for optical fiber pressure sensors. <i>Microsystem Technologies</i> , 2015 , 21, 2297-2306	1.7	26
64	Epitaxial VO ₂ Nanostructures: A Route to Large-Scale, Switchable Dielectric Metasurfaces. <i>ACS Photonics</i> , 2018 , 5, 2561-2567	6.3	25
63	Photonic crystal fibers, devices, and applications. <i>Frontiers of Optoelectronics</i> , 2013 , 6, 3-24	2.8	25
62	Optical Fiber Photoacoustic Gas Sensor With Graphene Nano-Mechanical Resonator as the Acoustic Detector. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 199-209	3.8	25
61	Compact In-Fiber Interferometer Formed by Long-Period Gratings in Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1899-1901	2.2	25
60	Chirality Transfer from Sub-Nanometer Biochemical Molecules to Sub-Micrometer Plasmonic Metastructures: Physiochemical Mechanisms, Biosensing, and Bioimaging Opportunities. <i>Advanced Materials</i> , 2020 , 32, e1907151	24	23
59	Temperature-Insensitive Hydrogen Sensor With Polarization-Maintaining Photonic Crystal Fiber-Based Sagnac Interferometer. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2566-2571	4	22

58	Relative Humidity Sensor Based on Cascaded Long-Period Gratings With Hydrogel Coatings and Fourier Demodulation. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1828-1830	2.2	22
57	Loss analysis of single-mode fiber/photonic-crystal fiber splice. <i>Microwave and Optical Technology Letters</i> , 2004 , 40, 378-380	1.2	22
56	FMCW multiplexing of fiber Bragg grating sensors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2000 , 6, 756-763	3.8	22
55	Coupled Local-Mode Theory for Strongly Modulated Long Period Gratings. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1745-1751	4	20
54	Wavelength modulation technique for intra-cavity absorption gas sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2004 , 53, 136-139	5.2	20
53	Distributed gas sensing with optical fibre photothermal interferometry. <i>Optics Express</i> , 2017 , 25, 31568-31585	3.3	18
52	Modeling and performance evaluation of in-line Fabry-Perot photothermal gas sensors with hollow-core optical fibers. <i>Optics Express</i> , 2020 , 28, 5423-5435	3.3	18
51	Ethane detection with mid-infrared hollow-core fiber photothermal spectroscopy. <i>Optics Express</i> , 2020 , 28, 38115-38126	3.3	18
50	Sub-ppm CO detection in a sub-meter-long hollow-core negative curvature fiber using absorption spectroscopy at 2.3 μm . <i>Sensors and Actuators B: Chemical</i> , 2020 , 303, 127238	8.5	18
49	MIR-Pump NIR-Probe Fiber-Optic Photothermal Spectroscopy With Background-Free First Harmonic Detection. <i>IEEE Sensors Journal</i> , 2020 , 20, 12709-12715	4	17
48	Performance optimization of hollow-core fiber photothermal gas sensors. <i>Optics Letters</i> , 2017 , 42, 4712-4715	3.3	17
47	Thermo-Optic Switching Effect Based on Fluid-Filled Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 164-166	2.2	17
46	Silica Hollow-Core Negative Curvature Fibers Enable Ultrasensitive Mid-Infrared Absorption Spectroscopy. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2067-2072	4	17
45	Graphene diaphragm analysis for pressure or acoustic sensor applications. <i>Microsystem Technologies</i> , 2015 , 21, 117-122	1.7	16
44	Comparative Study on the Elongation Measurement of a Soil Nail Using Optical Lower Coherence Interferometry Method and FBG Method. <i>Advances in Structural Engineering</i> , 2010 , 13, 309-319	1.9	16
43	Light-induced symmetry breaking for enhancing second-harmonic generation from an ultrathin plasmonic nanocavity. <i>Nature Communications</i> , 2021 , 12, 4326	17.4	16
42	Hollow-Core Fiber-Based High Finesse Resonating Cavity for High Sensitivity Gas Detection. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2887-2893	4	15
41	Phase sensitivity of fundamental mode of hollow-core photonic bandgap fiber to internal gas pressure. <i>Optics Express</i> , 2014 , 22, 13190-201	3.3	14

40	Strain Characteristics of CO_2 -Laser-Carved Long Period Fiber Gratings. <i>IEEE Journal of Quantum Electronics</i> , 2007 , 43, 101-108	2	14
39	Bragg Gratings in Suspended-Core Photonic Microcells for High-Temperature Applications. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2920-2924	4	13
38	Intense Near-UV Upconversion Luminescence in $\text{Tm}^{3+}/\text{Yb}^{3+}$ Co-Doped Low-Phonon-Energy Lithium Gallogermanate Oxide Glass. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1726-1729	2.2	12
37	Nanofiber enhanced stimulated Raman spectroscopy for ultra-fast, ultra-sensitive hydrogen detection with ultra-wide dynamic range. <i>Optica</i> , 2019 , 6, 570	8.6	12
36	Phase-controlled metasurface design via optimized genetic algorithm. <i>Nanophotonics</i> , 2020 , 9, 3931-3939	3	12
35	Transferable, transparent and functional polymer@graphene 2D objects. <i>NPG Asia Materials</i> , 2014 , 6, e130-e130	10.3	11
34	Investigation of Long-Period Grating Resonances in Hollow-Core Photonic Bandgap Fibers. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1708-1714	4	11
33	Enhanced multiplexing capacity of low-coherence reflectometric sensors with a loop topology. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 1157-1159	2.2	11
32	Measurement of the Adhesion Energy of Pressurized Graphene Diaphragm Using Optical Fiber Fabry-Perot Interference. <i>IEEE Sensors Journal</i> , 2016 , 16, 3664-3669	4	10
31	Cavity-Enhanced Photothermal Gas Detection With a Hollow Fiber Fabry-Perot Absorption Cell. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4222-4228	4	9
30	Long Period Fiber Grating Inscribed in Hollow-Core Photonic Bandgap Fiber for Gas Pressure Sensing. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-7	1.8	9
29	Superbroadband NIR Photoluminescence in $\text{Nd}^{3+}/\text{Tm}^{3+}/\text{Er}^{3+}$ Codoped Fluorotellurite Glasses. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 924-926	2.2	9
28	Erbium-doped superfluorescent fiber source for fiber optic gyroscope 2002 , 4920, 111		7
27	Red Shift of Side-Polished Fiber Surface Plasmon Resonance Sensors With Silver Coating and Inhibition by Gold Plating. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-13	1.8	6
26	Oxygen Gas Sensing with Photothermal Spectroscopy in a Hollow-Core Negative Curvature Fiber. <i>Sensors</i> , 2020 , 20,	3.8	6
25	Long period gratings in photonic crystal fibers. <i>Photonic Sensors</i> , 2012 , 2, 65-70	2.3	6
24	Nanowaveguide Enhanced Photothermal Interferometry Spectroscopy. <i>Journal of Lightwave Technology</i> , 2017 , 35, 5267-5275	4	5
23	Low-Noise Closed-Loop FOG Driven by Two Broadband Sources. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4555-4559	4	4

22	Rocking Long Period Gratings in Single Mode Fibers. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3117-3122	4
21	Experimental Demonstration of Genetic Algorithm Based Metalens Design for Generating Side-Lobe-Suppressed, Large Depth-of-Focus Light Sheet. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100425	8.3 4
20	Dual-comb photothermal spectroscopy.. <i>Nature Communications</i> , 2022 , 13, 2181	17.4 4
19	Investigation on Rotation Response of Spin-Exchange Relaxation-Free Atomic Spin Gyroscope. <i>IEEE Access</i> , 2019 , 7, 148176-148182	3.5 3
18	Effects of graphene membrane parameters on diaphragm-type optical fibre pressure sensing characteristics. <i>Materials Research Innovations</i> , 2015 , 19, S5-17-S5-23	1.9 3
17	Reflectometry measuring refractive index and thickness of polymer samples simultaneously. <i>Journal of Modern Optics</i> , 2006 , 53, 1845-1851	1.1 3
16	Multiplexing of fiber-optic white light interferometric sensors using a ring resonator. <i>Journal of Lightwave Technology</i> , 2002 , 20, 1471-1477	4 3
15	Fiber optic differential interferometer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2000 , 49, 779-782	5.2 3
14	Laser-Induced Dispersion With Stimulated Raman Scattering in Gas-Filled Optical Fiber. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2120-2125	4 2
13	Phase-Modulation-Amplifying Hollow-Core Fiber Photothermal Interferometry for Ultrasensitive Gas Sensing. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4 2
12	Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids. <i>Advanced Functional Materials</i> , 2021 , 31, 2101502	15.6 2
11	1 IN Fiber Optic Coupler Based on a Polyhedral Gradient-Index Lens. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2685-2689	4 1
10	Differential Fiber Optic Gyroscope Driven by Two Broadband Sources of Different Wavelengths. <i>IEEE Access</i> , 2020 , 8, 65443-65449	3.5 1
9	The fiber optic Sagnac interferometer and its sensing application 2015 ,	1
8	Selective-Fluid-Filling Technique of Microstructured Optical Fibers. <i>Journal of Lightwave Technology</i> , 2010 ,	4 1
7	Continuously wavelength-tunable MQW fabry-perot laser diode pulse source with a fiber-based external cavity. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 866-870	2 1
6	Recent progress in bidirectional interrogation techniques for enhancing multiplexing capability of fiber optic white light interferometric sensors. <i>Review of Scientific Instruments</i> , 2003 , 74, 4893-4898	1.7 1
5	Recent Advances in Spectroscopic Gas Sensing With Micro/Nano-Structured Optical Fibers. <i>Photonic Sensors</i> , 2021 , 11, 141-157	2.3 1

4	Single Plasmonic Nanohelicoids: Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids (Adv. Funct. Mater. 30/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170217	15.6	o
3	Random Multiple Scattering Enhanced Photoacoustic Gas Spectroscopy with Disordered Porous Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26372-26377	9.5	
2	Fiber optic extensometer for concrete deformation measurements. <i>Review of Scientific Instruments</i> , 2002 , 73, 2469-2474	1.7	
1	Enhanced THz-to-IR emission from gas-surrounded metallic nanostructures by femtosecond laser irradiation. <i>Optics Communications</i> , 2016 , 381, 414-417	2	