

Wu Yi Chong

List of Publications by Year in descending order

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77
papers

1,100
citations

394421

19
h-index

454955

30
g-index

77
all docs

77
docs citations

77
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave-assisted hydrolysis preparation of highly crystalline ZnO nanorod array for room temperature photoluminescence-based CO gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 304-312.	7.8	75
2	A review of recent developed and applications of plastic fiber optic displacement sensors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 48, 333-345.	5.0	74
3	Integrated Microfibre Device for Refractive Index and Temperature Sensing. <i>Sensors</i> , 2012, 12, 11782-11789.	3.8	61
4	All-Optical Graphene Oxide Humidity Sensors. <i>Sensors</i> , 2014, 14, 24329-24337.	3.8	61
5	Size-dependent effect of cystine/citric acid-capped confeito-like gold nanoparticles on cellular uptake and photothermal cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 365-374.	5.0	55
6	Graphene oxide-based waveguide polariser: From thin film to quasi-bulk. <i>Optics Express</i> , 2014, 22, 11090.	3.4	42
7	High Sensitivity Fiber Bragg Grating Pressure Sensor Using Thin Metal Diaphragm. <i>IEEE Sensors Journal</i> , 2009, 9, 1654-1659.	4.7	39
8	High sensitivity pressure sensor using a polymer-embedded FBG. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 60-61.	1.4	38
9	Optical Fiber Sensing of Salinity and Liquid Level. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1742-1745.	2.5	34
10	Ultra-Sensitive Humidity Sensor Based on Optical Properties of Graphene Oxide and Nano-Anatase TiO ₂ . <i>PLoS ONE</i> , 2016, 11, e0153949.	2.5	32
11	Nano-Anatase TiO ₂ for High Performance Optical Humidity Sensing on Chip. <i>Sensors</i> , 2016, 16, 39.	3.8	27
12	Direct UV Written Optical Waveguides in Flexible Glass Flat Fiber Chips. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1534-1539.	2.9	26
13	Axial contraction in etched optical fiber due to internal stress reduction. <i>Optics Express</i> , 2013, 21, 2551.	3.4	25
14	Photo-induced reduction of graphene oxide coating on optical waveguide and consequent optical intermodulation. <i>Scientific Reports</i> , 2016, 6, 23813.	3.3	22
15	Evolution of the Polarizing Effect of MoS_2 . <i>IEEE Photonics Journal</i> , 2015, 7, 1-10.	2.0	21
16	Reduced Graphene Oxide-Silver Nanoparticles for Optical Pulse Generation in Ytterbium- and Erbium-Doped Fiber Lasers. <i>Scientific Reports</i> , 2020, 10, 9408.	3.3	21
17	Tunable passively Q-switched erbium-doped fiber laser based on Ti ₃ C ₂ T _x MXene as saturable absorber. <i>Optical Fiber Technology</i> , 2020, 58, 102287.	2.7	21
18	Thermal stress modification in regenerated fiber Bragg grating via manipulation of glass transition temperature based on CO ₂ -laser annealing. <i>Optics Letters</i> , 2015, 40, 748.	3.3	20

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19	Z-scan studies of the nonlinear optical properties of gold nanoparticles prepared by electron beam deposition. <i>Applied Optics</i> , 2015, 54, 9703.	1.8	19
20	Surfactant-Free Direct Access to Porphyrin-Cross-Linked Nanogels for Photodynamic and Photothermal Therapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 4149-4159.	3.6	19
21	Nanolitre solution drop-casting for selective area graphene oxide coating on planar surfaces. <i>Materials Chemistry and Physics</i> , 2020, 249, 122970.	4.0	19
22	Q-Switched Fiber Laser at $1.5\text{-}\mu\text{m}$ Region Using $\text{Ti}^{3+}/\text{Al}^{2+}$ MAX Phase-Based Saturable Absorber. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-6.	1.9	17
23	Regenerated fibre Bragg grating fabricated on high germanium concentration photosensitive fibre for sensing at high temperature. <i>Optics and Laser Technology</i> , 2012, 44, 821-824.	4.6	16
24	1.3 and $1.55\ \mu\text{m}$ Thermally Regenerated Gratings in Hydrogenated Boron/Germanium Co-Doped Photosensitivity Fiber. <i>IEEE Sensors Journal</i> , 2014, 14, 1352-1356.	4.7	16
25	56 nm Wide-Band Tunable Q-Switched Erbium Doped Fiber Laser with Tungsten Ditelluride (WTe_2) Saturable Absorber. <i>Scientific Reports</i> , 2020, 10, 9860.	3.3	16
26	Thermal Regeneration in Etched-Core Fiber Bragg Grating. <i>IEEE Sensors Journal</i> , 2013, 13, 2581-2585.	4.7	15
27	Note: Fabrication of tapered fibre tip using mechanical polishing method. <i>Review of Scientific Instruments</i> , 2011, 82, 086115.	1.3	14
28	Regenerated Type-IIa Fibre Bragg Grating from a Ge^{B} codoped fibre via thermal activation. <i>Optics and Laser Technology</i> , 2014, 62, 69-72.	4.6	14
29	Configurable TE- and TM-Pass Graphene Oxide-Coated Waveguide Polarizer. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 627-630.	2.5	14
30	Nonlinear optical response of platinum nanostructures and application for water detection in transformer oil. <i>RSC Advances</i> , 2016, 6, 104624-104631.	3.6	13
31	Reflection spectra of etched FBGs under the influence of axial contraction and stress-induced index change. <i>Optics Express</i> , 2013, 21, 14808.	3.4	12
32	Stable Dual-Wavelength Coherent Source With Tunable Wavelength Spacing Generated By Spectral Slicing a Mode-Locked Laser Using Microring Resonator. <i>IEEE Photonics Journal</i> , 2015, 7, 1-11.	2.0	12
33	Add-Drop Filter Based on Microfiber Mach-Zehnder/Sagnac Interferometer. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 1411-1414.	1.9	11
34	Green synthesised gold nanoparticles in photothermal therapy of breast cancer. <i>Micro and Nano Letters</i> , 2019, 14, 470-474.	1.3	11
35	$10\ \mu\text{m}$ -Band Bismuth-Doped Fiber Amplifier With Double-Pass Configuration. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1860-1862.	2.5	10
36	Cascaded Acoustic Wave Sensors Based on Erbium-Doped Fiber Laser Dynamics for Intrusion Zone Identification. <i>IEEE Sensors Journal</i> , 2017, 17, 1893-1898.	4.7	10

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37	Tin(IV) oxide nanoparticles as a saturable absorber for a Q-switched erbium-doped fiber laser. <i>Laser Physics</i> , 2018, 28, 125104.	1.2	10
38	Hybrid Chalcogenide-Germanosilicate Waveguides for High Performance Stimulated Brillouin Scattering Applications. <i>Advanced Functional Materials</i> , 2022, 32, 2105230.	14.9	10
39	Nanoscaled PAMAM Dendrimer Spacer Improved the Photothermal-Photodynamic Treatment Efficiency of Photosensitizer-Decorated Confeito-Like Gold Nanoparticles for Cancer Therapy. <i>Macromolecular Bioscience</i> , 2022, 22, e2200130.	4.1	10
40	A Polyaniline-Coated Integrated Microfiber Resonator for UV Detection. <i>IEEE Sensors Journal</i> , 2013, 13, 2020-2025.	4.7	9
41	C-band tunable performance of passively Q-switched erbium-doped fiber laser using Tin(IV) oxide as a saturable absorber. <i>Optics Communications</i> , 2019, 442, 1-7.	2.1	9
42	Instantaneous Response of Wide Area Intrusion Sensor With Long Haul Monitoring Capability. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 2255-2258.	2.5	8
43	All-Optical Humidity Sensor Using SnO ₂ Nanoparticle Drop Coated on Straight Channel Optical Waveguide. <i>Photonic Sensors</i> , 2020, 10, 123-133.	5.0	8
44	Optical phase transition of Ge ₂ Sb ₂ Se ₄ Te ₁ thin film using low absorption wavelength in the 1550Ånm window. <i>Optical Materials</i> , 2021, 120, 111450.	3.6	8
45	Direct period measurement for fiber Bragg grating using an optical imaging technique. <i>Applied Optics</i> , 2013, 52, 5393.	1.8	7
46	Ti ₃ C ₂ MXene as an optical modulator in a Thulium/Holmium-doped fiber laser. <i>Optics and Laser Technology</i> , 2022, 149, 107802.	4.6	7
47	Enhancing Temperature Sensitivity Using Cyclic Polybutylene Terephthalate- (c-PBT-) Coated Fiber Bragg Grating. <i>Journal of Sensors</i> , 2018, 2018, 1-6.	1.1	6
48	Isolation of exosome from the culture medium of Nasopharyngeal cancer (NPC) C666-1 cells using inertial based Microfluidic channel. <i>Biomedical Microdevices</i> , 2022, 24, 12.	2.8	6
49	Thermal response of chalcogenide microsphere resonators. <i>Quantum Electronics</i> , 2012, 42, 462-464.	1.0	5
50	Characterization of light-control-light system using graphene oxide coated optical waveguide. <i>Laser Physics</i> , 2018, 28, 076001.	1.2	5
51	Synchronous tunable wavelength spacing dual-wavelength SOA fiber ring laser using Fiber Bragg grating pair in a hybrid tuning package. <i>Optics Communications</i> , 2012, 285, 1326-1330.	2.1	4
52	Extraction of a single Stokes line from a Brillouin fibre laser using a silicon oxynitride microring filter. <i>Laser Physics</i> , 2013, 23, 095102.	1.2	3
53	New device structures for graphene nanoribbon field effect transistors. <i>Materials Express</i> , 2016, 6, 265-270.	0.5	3
54	Investigation of nonlinear optical properties on structures of silver micro-flowers. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	3

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55	Scaling exponent analysis and fidelity of the tunable discrete quantum walk in the noisy channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 559, 125124.	2.6	3
56	Spreading profile of dopant solution on pre-sintered silica layers for selective area doping of integrated optic planar glass samples. <i>Thin Solid Films</i> , 2009, 518, 378-382.	1.8	2
57	Observation of mode-coupling in few mode fiber Bragg gratings. , 2014, , .		2
58	Third-order optical nonlinearity studies of bilayer Au/Ag metallic films. <i>Laser Physics</i> , 2016, 26, 055401.	1.2	2
59	Thermal activation of regenerated fiber Bragg grating in few mode fibers. <i>Optical Fiber Technology</i> , 2016, 28, 7-10.	2.7	2
60	405 nm laser processing of thin SU-8 polymer film. <i>Optik</i> , 2016, 127, 1651-1655.	2.9	2
61	Enhanced Photoresponsivity From Hybrid-ZnO Nanowires With White LED 400â€“700-nm Illumination. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-6.	1.9	2
62	Graphene Oxide Doped SU-8 Waveguide and Its Application as Saturable Absorber. <i>IEEE Photonics Journal</i> , 2017, 9, 1-7.	2.0	2
63	Large polarization response of planarized optical waveguide functionalized with 2D material overlays. <i>Journal of Modern Optics</i> , 2020, 67, 730-736.	1.3	2
64	Deposition of Ti2AlC MAX phase onto the side polished fiber as saturable absorber for soliton mode-locked fiber laser generation. <i>Optical and Quantum Electronics</i> , 2022, 54, .	3.3	2
65	Dynamic dispersing technique for PR coating process in planar lightwave circuit fabrication. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 1993-1995.	1.4	1
66	Selective area rare-earth doping of planar glass samples for monolithic integration of optically passive and active waveguides. <i>Optik</i> , 2010, 121, 722-725.	2.9	1
67	Spreading profile of evaporative liquid drops in thin porous layer. <i>Physical Review E</i> , 2012, 85, 016314.	2.1	1
68	Sub-terahertz frequency generation in non-resonant Fabry-Pérot cavity. , 2017, , .		1
69	Graphene Oxide Functionalized Optical Planar Waveguide for Water Content Measurement in Alcohol. <i>Photonic Sensors</i> , 2020, 10, 215-222.	5.0	1
70	Methodology for Fabrication-Tolerant Planar Directional Couplers. <i>IEEE Photonics Journal</i> , 2022, 14, 1-9.	2.0	1
71	Enhancement of Gain in L-Band Bismuth-Based Erbium-Doped Fibre Amplifier Using an Un-pumped EDF and Midway Isolator. <i>Chinese Physics Letters</i> , 2004, 21, 2452-2453.	3.3	0
72	Effect of using aqueous/alcohol solution during solution doping on the physical and chemical characteristics of pre-sintered silica soot and the resultant native glass species concentration. <i>Materials Chemistry and Physics</i> , 2010, 124, 1077-1082.	4.0	0

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73	Publisher's Note: Spreading profile of evaporative liquid drops in thin porous layer [Phys. Rev. E85, 016314 (2012)]. Physical Review E, 2012, 85, .	2.1	0
74	Entropy analysis of the discrete-time quantum walk under bit-flip noise channel. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126371.	2.6	0
75	A New Hybrid Highly Sensitive Optical Humidity Sensor. Sensor Letters, 2016, 14, 583-587.	0.4	0
76	Fabrication tolerant planar directional couplers. , 2019, , .		0
77	Surface ablation of poly allyl diglycol carbonate polymer using high-repetition-rate femtosecond laser. Optical Engineering, 2020, 59, 1.	1.0	0