

# 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	Hybrid Chalcogenide-Germanosilicate Waveguides for High Performance Stimulated Brillouin Scattering Applications. <i>Advanced Functional Materials</i> , 2022, 32, 2105230.	14.9	10
2	Ti3C2 MXene as an optical modulator in a Thulium/Holmium-doped fiber laser. <i>Optics and Laser Technology</i> , 2022, 149, 107802.	4.6	7
3	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
4	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
5	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
6	Methodology for Fabrication-Tolerant Planar Directional Couplers. <i>IEEE Photonics Journal</i> , 2022, 14, 1-9.	2.0	1
7	Optical phase transition of Ge2Sb2Se4Te1 thin film using low absorption wavelength in the 1550Ånm window. <i>Optical Materials</i> , 2021, 120, 111450.	3.6	8
8	Entropy analysis of the discrete-time quantum walk under bit-flip noise channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 584, 126371.	2.6	0
9	All-Optical Humidity Sensor Using SnO2 Nanoparticle Drop Coated on Straight Channel Optical Waveguide. <i>Photonic Sensors</i> , 2020, 10, 123-133.	5.0	8
10	Q-Switched Fiber Laser at 1.5-µm Region Using Ti3AlC2 MAX Phase-Based Saturable Absorber. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-6.	1.9	17
11	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
12	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
13	Configurable TE- and TM-Pass Graphene Oxide-Coated Waveguide Polarizer. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 627-630.	2.5	14
14	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
15	Graphene Oxide Functionalized Optical Planar Waveguide for Water Content Measurement in Alcohol. <i>Photonic Sensors</i> , 2020, 10, 215-222.	5.0	1
16	56 nm Wide-Band Tunable Q-Switched Erbium Doped Fiber Laser with Tungsten Ditelluride (WTe2) Saturable Absorber. <i>Scientific Reports</i> , 2020, 10, 9860.	3.3	16
17	Tunable passively Q-switched erbium-doped fiber laser based on Ti3C2Tx MXene as saturable absorber. <i>Optical Fiber Technology</i> , 2020, 58, 102287.	2.7	21
18	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

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19	Surface ablation of poly allyl diglycol carbonate polymer using high-repetition-rate femtosecond laser. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	0
20	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
21	Green synthesised gold nanoparticles in photothermal therapy of breast cancer. <i>Micro and Nano Letters</i> , 2019, 14, 470-474.	1.3	11
22	Fabrication tolerant planar directional couplers. , 2019, , .		0
23	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
24	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
25	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
26	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
27	Characterization of light-control-light system using graphene oxide coated optical waveguide. <i>Laser Physics</i> , 2018, 28, 076001.	1.2	5
28	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
29	Enhanced Photoresponsivity From Hybrid-ZnO Nanowires With White LED 400-700-nm Illumination. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-6.	1.9	2
30	Sub-terahertz frequency generation in non-resonant Fabry-Pérot cavity. , 2017, , .		1
31	Graphene Oxide Doped SU-8 Waveguide and Its Application as Saturable Absorber. <i>IEEE Photonics Journal</i> , 2017, 9, 1-7.	2.0	2
32	Nano-Anatase TiO <sub>2</sub> for High Performance Optical Humidity Sensing on Chip. <i>Sensors</i> , 2016, 16, 39.	3.8	27
33	New device structures for graphene nanoribbon field effect transistors. <i>Materials Express</i> , 2016, 6, 265-270.	0.5	3
34	Third-order optical nonlinearity studies of bilayer Au/Ag metallic films. <i>Laser Physics</i> , 2016, 26, 055401.	1.2	2
35	Photo-induced reduction of graphene oxide coating on optical waveguide and consequent optical intermodulation. <i>Scientific Reports</i> , 2016, 6, 23813.	3.3	22
36	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

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37	Investigation of nonlinear optical properties on structures of silver micro-flowers. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
38	Thermal activation of regenerated fiber Bragg grating in few mode fibers. Optical Fiber Technology, 2016, 28, 7-10.	2.7	2
39	405 nm laser processing of thin SU-8 polymer film. Optik, 2016, 127, 1651-1655.	2.9	2
40	Microwave-assisted hydrolysis preparation of highly crystalline ZnO nanorod array for room temperature photoluminescence-based CO gas sensor. Sensors and Actuators B: Chemical, 2016, 227, 304-312.	7.8	75
41	Ultra-Sensitive Humidity Sensor Based on Optical Properties of Graphene Oxide and Nano-Anatase TiO <sub>2</sub> . PLoS ONE, 2016, 11, e0153949.	2.5	32
42	A New Hybrid Highly Sensitive Optical Humidity Sensor. Sensor Letters, 2016, 14, 583-587.	0.4	0
43	Evolution of the Polarizing Effect of $\text{MoS}_2$ . IEEE Photonics Journal, 2015, 7, 1-10.	2.0	21
44	Stable Dual-Wavelength Coherent Source With Tunable Wavelength Spacing Generated By Spectral Slicing a Mode-Locked Laser Using Microring Resonator. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	12
45	Z-scan studies of the nonlinear optical properties of gold nanoparticles prepared by electron beam deposition. Applied Optics, 2015, 54, 9703.	1.8	19
46	Thermal stress modification in regenerated fiber Bragg grating via manipulation of glass transition temperature based on CO <sub>2</sub> -laser annealing. Optics Letters, 2015, 40, 748.	3.3	20
47	All-Optical Graphene Oxide Humidity Sensors. Sensors, 2014, 14, 24329-24337.	3.8	61
48	Observation of mode-coupling in few mode fiber Bragg gratings. , 2014, , .		2
49	A review of recent developed and applications of plastic fiber optic displacement sensors. Measurement: Journal of the International Measurement Confederation, 2014, 48, 333-345.	5.0	74
50	Graphene oxide-based waveguide polariser: From thin film to quasi-bulk. Optics Express, 2014, 22, 11090.	3.4	42
51	Optical Fiber Sensing of Salinity and Liquid Level. IEEE Photonics Technology Letters, 2014, 26, 1742-1745.	2.5	34
52	1.3 and 1.55 $\mu\text{m}$ Thermally Regenerated Gratings in Hydrogenated Boron/Germanium Co-Doped Photosensitivity Fiber. IEEE Sensors Journal, 2014, 14, 1352-1356.	4.7	16
53	Regenerated Type-IIa Fibre Bragg Grating from a Ge/B codoped fibre via thermal activation. Optics and Laser Technology, 2014, 62, 69-72.	4.6	14
54	Extraction of a single Stokes line from a Brillouin fibre laser using a silicon oxynitride microring filter. Laser Physics, 2013, 23, 095102.	1.2	3

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55	Instantaneous Response of Wide Area Intrusion Sensor With Long Haul Monitoring Capability. IEEE Photonics Technology Letters, 2013, 25, 2255-2258.	2.5	8
56	A Polyaniline-Coated Integrated Microfiber Resonator for UV Detection. IEEE Sensors Journal, 2013, 13, 2020-2025.	4.7	9
57	Thermal Regeneration in Etched-Core Fiber Bragg Grating. IEEE Sensors Journal, 2013, 13, 2581-2585.	4.7	15
58	Direct period measurement for fiber Bragg grating using an optical imaging technique. Applied Optics, 2013, 52, 5393.	1.8	7
59	Axial contraction in etched optical fiber due to internal stress reduction. Optics Express, 2013, 21, 2551.	3.4	25
60	Reflection spectra of etched FBGs under the influence of axial contraction and stress-induced index change. Optics Express, 2013, 21, 14808.	3.4	12
61	Integrated Microfibre Device for Refractive Index and Temperature Sensing. Sensors, 2012, 12, 11782-11789.	3.8	61
62	Thermal response of chalcogenide microsphere resonators. Quantum Electronics, 2012, 42, 462-464.	1.0	5
63	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
64	Spreading profile of evaporative liquid drops in thin porous layer. Physical Review E, 2012, 85, 016314.	2.1	1
65	Add-Drop Filter Based on Microfiber Mach-Zehnder/Sagnac Interferometer. IEEE Journal of Quantum Electronics, 2012, 48, 1411-1414.	1.9	11
66	Direct UV Written Optical Waveguides in Flexible Glass Flat Fiber Chips. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1534-1539.	2.9	26
67	Synchronous tunable wavelength spacing dual-wavelength SOA fiber ring laser using Fiber Bragg grating pair in a hybrid tuning package. Optics Communications, 2012, 285, 1326-1330.	2.1	4
68	Regenerated fibre Bragg grating fabricated on high germanium concentration photosensitive fibre for sensing at high temperature. Optics and Laser Technology, 2012, 44, 821-824.	4.6	16
69	Note: Fabrication of tapered fibre tip using mechanical polishing method. Review of Scientific Instruments, 2011, 82, 086115.	1.3	14
70	S-Band Bismuth-Doped Fiber Amplifier With Double-Pass Configuration. IEEE Photonics Technology Letters, 2011, 23, 1860-1862.	2.5	10
71	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. Materials Chemistry and Physics, 2010, 124, 1077-1082.	4.0	0
72	Selective area rare-earth doping of planar glass samples for monolithic integration of optically passive and active waveguides. Optik, 2010, 121, 722-725.	2.9	1

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73	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
74	High Sensitivity Fiber Bragg Grating Pressure Sensor Using Thin Metal Diaphragm. <i>IEEE Sensors Journal</i> , 2009, 9, 1654-1659.	4.7	39
75	High sensitivity pressure sensor using a polymer embedded FBG. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 60-61.	1.4	38
76	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
77	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