

Yu Chen

List of Publications by Year in descending order

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docs citations

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8489
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroluminescence and Photocurrent Generation from Atomically Sharp WSe ₂ /MoS ₂ Heterojunction <i>in-plane</i> Diodes. Nano Letters, 2014, 14, 5590-5597.	4.5	937
2	Mechanically exfoliated black phosphorus as a new saturable absorber for both Q-switching and Mode-locking laser operation. Optics Express, 2015, 23, 12823.	1.7	866
3	Vertically stacked multi-heterostructures of layered materials for logic transistors and complementary inverters. Nature Materials, 2013, 12, 246-252.	13.3	812
4	Core/Shell Structured Hollow Mesoporous Nanocapsules: A Potential Platform for Simultaneous Cell Imaging and Anticancer Drug Delivery. ACS Nano, 2010, 4, 6001-6013.	7.3	592
5	Ultra-short pulse generation by a topological insulator based saturable absorber. Applied Physics Letters, 2012, 101, 211106.	1.5	551
6	Ytterbium-doped fiber laser passively mode locked by few-layer Molybdenum Disulfide (MoS ₂) saturable absorber functioned with evanescent field interaction. Scientific Reports, 2014, 4, 6346.	1.6	407
7	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi ₂ Se ₃ as a mode locker. Optics Express, 2012, 20, 27888.	1.7	406
8	Third order nonlinear optical property of Bi ₂ Se ₃ . Optics Express, 2013, 21, 2072.	1.7	271
9	Microwave and optical saturable absorption in graphene. Optics Express, 2012, 20, 23201.	1.7	220
10	Van der Waals stacked 2D layered materials for optoelectronics. 2D Materials, 2016, 3, 022001.	2.0	213
11	Graphene-Bi ₂ Te ₃ Heterostructure as Saturable Absorber for Short Pulse Generation. ACS Photonics, 2015, 2, 832-841.	3.2	208
12	Large Energy, Wavelength Widely Tunable, Topological Insulator Q-Switched Erbium-Doped Fiber Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 315-322.	1.9	201
13	Switchable Dual-Wavelength Synchronously Q-Switched Erbium-Doped Fiber Laser Based on Graphene Saturable Absorber. IEEE Photonics Journal, 2012, 4, 869-876.	1.0	177
14	Broadband and enhanced nonlinear optical response of MoS ₂ /graphene nanocomposites for ultrafast photonics applications. Scientific Reports, 2015, 5, 16372.	1.6	174
15	Self-Assembled Topological Insulator: Bi ₂ Se ₃ Membrane as a Passive Q-Switcher in an Erbium-Doped Fiber Laser. Journal of Lightwave Technology, 2013, 31, 2857-2863.	2.7	147
16	Generation and evolution of mode-locked noise-like square-wave pulses in a large-anomalous-dispersion Er-doped ring fiber laser. Optics Express, 2015, 23, 6418.	1.7	133
17	The formation of various multi-soliton patterns and noise-like pulse in a fiber laser passively mode-locked by a topological insulator based saturable absorber. Laser Physics Letters, 2014, 11, 055101.	0.6	129
18	Wide spectral and wavelength-tunable dissipative soliton fiber laser with topological insulator nano-sheets self-assembly films sandwiched by PMMA polymer. Optics Express, 2015, 23, 7681.	1.7	108

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19	Few-layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect. <i>Advanced Optical Materials</i> , 2015, 3, 1769-1778.	3.6	87
20	Sub-300 femtosecond soliton tunable fiber laser with all-anomalous dispersion passively mode locked by black phosphorus. <i>Optics Express</i> , 2016, 24, 13316.	1.7	76
21	All-inorganic CsPbBr ₃ perovskite quantum dots embedded in dual-mesoporous silica with moisture resistance for two-photon-pumped plasmonic nanoLasers. <i>Nanoscale</i> , 2018, 10, 6704-6711.	2.8	74
22	Soliton fiber laser mode locked with two types of film-based Bi ₂ Te ₃ saturable absorbers. <i>Photonics Research</i> , 2015, 3, A43.	3.4	73
23	Switchable dual-wavelength Q-switched fiber laser using multilayer black phosphorus as a saturable absorber. <i>Photonics Research</i> , 2018, 6, 198.	3.4	70
24	Improved Transfer Quality of CVD-Grown Graphene by Ultrasonic Processing of Target Substrates: Applications for Ultra-fast Laser Photonics. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10288-10293.	4.0	57
25	Stable Q -Switched Erbium-Doped Fiber Laser Based on Topological Insulator Covered Microfiber. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 987-990.	1.3	41
26	Microfiber-Based Highly Nonlinear Topological Insulator Photonic Device for the Formation of Versatile Multi-Soliton Patterns in a Fiber Laser. <i>Journal of Lightwave Technology</i> , 2015, 33, 2056-2061.	2.7	41
27	Serine-arginine protein kinase 1 promotes a cancer stem cell-like phenotype through activation of Wnt/ β -catenin signalling in NSCLC. <i>Journal of Pathology</i> , 2016, 240, 184-196.	2.1	41
28	Analysis of Attraction Features of Tourism Destinations in a Mega-City Based on Check-in Data Mining—A Case Study of Shenzhen, China. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 210.	1.4	35
29	Nanosecond Q -Switched Erbium-Doped Fiber Laser With Wide Pulse-Repetition-Rate Range Based on Topological Insulator. <i>IEEE Journal of Quantum Electronics</i> , 2014, 50, 393-396.	1.0	33
30	Ultra-high light confinement and ultra-long propagation distance design for integratable optical chips based on plasmonic technology. <i>Nanoscale</i> , 2019, 11, 4601-4613.	2.8	32
31	Actively manipulating asymmetric photonic spin Hall effect with graphene. <i>Carbon</i> , 2020, 166, 396-404.	5.4	32
32	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic-Imaging-Guided Synergistic Photothermal/Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2100039.	11.1	32
33	Large-energy, narrow-bandwidth laser pulse at 1645 nm in a diode-pumped Er:YAG solid-state laser passively Q-switched by a monolayer graphene saturable absorber. <i>Applied Optics</i> , 2014, 53, 254.	0.9	31
34	Switchable phase and polarization singular beams generation using dielectric metasurfaces. <i>Scientific Reports</i> , 2017, 7, 6814.	1.6	31
35	Short-pulsed Raman fiber laser and its dynamics. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	30
36	Black phosphorus: broadband nonlinear optical absorption and application. <i>Laser Physics Letters</i> , 2018, 15, 025301.	0.6	27

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37	Ultra-compact, low-loss terahertz waveguide based on graphene plasmonic technology. 2D Materials, 2020, 7, 015016.	2.0	24
38	Enhanced spin Hall effect due to the redshift gaps of photonic hypercrystals. Optics Express, 2021, 29, 12160.	1.7	24
39	Chiral Ligand-Induced Structural Transformation of Low-Dimensional Hybrid Perovskite for Circularly Polarized Photodetection. Chemistry of Materials, 2022, 34, 2955-2962.	3.2	24
40	Highly efficient tunable mid-infrared optical parametric oscillator pumped by a wavelength locked, Q-switched Er:YAG laser. Optics Express, 2015, 23, 20812.	1.7	23
41	Sub-hundred nanosecond pulse generation from a black phosphorus Q-switched Er-doped fiber laser. Optics Express, 2020, 28, 4708.	1.7	23
42	Is eye-level greening associated with the use of dockless shared bicycles?. Urban Forestry and Urban Greening, 2020, 51, 126690.	2.3	21
43	Multilayer graphene for Q-switched mode-locking operation in an erbium-doped fiber laser. Optics Communications, 2013, 300, 17-21.	1.0	19
44	Graphene sheet stacks for Q-switching operation of an erbium-doped fiber laser. Laser Physics Letters, 2013, 10, 075102.	0.6	19
45	Recognizing fractional orbital angular momentum using feed forward neural network. Results in Physics, 2021, 28, 104619.	2.0	18
46	A Simple Line Clustering Method for Spatial Analysis with Origin-Destination Data and Its Application to Bike-Sharing Movement Data. ISPRS International Journal of Geo-Information, 2018, 7, 203.	1.4	17
47	Degradable mesoporous semimetal antimony nanospheres for near-infrared II multimodal theranostics. Nature Communications, 2022, 13, 539.	5.8	17
48	Identification of genetically modified cotton seeds by terahertz spectroscopy with MPGA-SVM. Optik, 2017, 142, 576-582.	1.4	14
49	Influence of the Organic Chain on the Optical Properties of Two-Dimensional Organic-Inorganic Hybrid Lead Iodide Perovskites. ACS Applied Electronic Materials, 2019, 1, 2253-2259.	2.0	13
50	Gas sensing near exceptional points. Journal Physics D: Applied Physics, 2021, 54, 254001.	1.3	11
51	Graded-index breathing solitons from Airy pulses in multimode fibers. Optics Express, 2019, 27, 483.	1.7	11
52	Pulse dynamics controlled by saturable absorber in a dispersion-managed normal dispersion Tm-doped mode-locked fiber laser. Chinese Optics Letters, 2014, 12, 031405-31408.	1.3	11
53	Coherent Separation Detection for Orbital Angular Momentum Multiplexing in Free-Space Optical Communications. IEEE Photonics Journal, 2017, 9, 1-11.	1.0	10
54	Virus-Inspired Deformable Mesoporous Nanocomposites for High Efficiency Drug Delivery. Small, 2020, 16, 1906028.	5.2	10

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55	Weak measurements of the waist of an arbitrarily polarized beam via in-plane spin splitting. <i>Optics Express</i> , 2021, 29, 8777.	1.7	10
56	3.46- μm Q-switched Er ³⁺ :ZBLAN fiber laser based on a semiconductor saturable absorber mirror. <i>Optics and Laser Technology</i> , 2021, 141, 107131.	2.2	10
57	Two-dimensional tin diselenide nanosheets pretreated with an alkaloid for near- and mid-infrared ultrafast photonics. <i>Photonics Research</i> , 2020, 8, 1687.	3.4	10
58	Optimal weak measurement in the photonic spin Hall effect for arbitrary linear polarization incidence. <i>Optics Express</i> , 2022, 30, 4096.	1.7	10
59	Drop-Casted Self-Assembled Topological Insulator Membrane as an Effective Saturable Absorber for Ultrafast Laser Photonics. <i>IEEE Photonics Journal</i> , 2015, 7, 1-11.	1.0	9
60	H-shaped pulse generation with tunable leading edge from a Tm-doped mode-locked fiber laser. <i>Applied Physics Express</i> , 2020, 13, 012011.	1.1	9
61	Controllable nonlinear optical properties of different-sized iron phosphorus trichalcogenide (FePS ₃) nanosheets. <i>Nanophotonics</i> , 2020, 9, 4555-4564.	2.9	9
62	Tunable in-plane and transverse spin angular shifts in layered dielectric structure. <i>Optics Express</i> , 2019, 27, 32722.	1.7	9
63	Wavelength switchable graphene Q-switched fiber laser with cascaded fiber Bragg gratings. <i>Optics Communications</i> , 2016, 368, 81-85.	1.0	8
64	Orbital angular momentum modes identification of optical vortices using binaural circular aperture. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 065603.	1.0	8
65	Low-threshold stimulated emission in perovskite quantum dots: single-exciton optical gain induced by surface plasmon polaritons at room temperature. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5847-5855.	2.7	8
66	Experimental study on the multisoliton pattern formation in an erbium-doped fiber laser passively mode-locked by graphene saturable absorber. <i>Optical Engineering</i> , 2013, 52, 044201.	0.5	7
67	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi ₂ Se ₃ as a mode locker: erratum. <i>Optics Express</i> , 2013, 21, 444.	1.7	7
68	Enhanced photonic spin Hall effect via singularity induced by destructive interference. <i>Optics Letters</i> , 2021, 46, 4883.	1.7	7
69	Dye-Sensitized Lanthanide-Doped Upconversion Nanoparticles for Water Detection in Organic Solvents. <i>ACS Applied Nano Materials</i> , 2021, 4, 14069-14076.	2.4	7
70	Erbium-doped fiber laser passively mode-locked by a position-adjustable graphene saturable absorber. <i>Optical Engineering</i> , 2012, 51, 084203.	0.5	5
71	Duration Switchable High-Energy Passively Mode-Locked Raman Fiber Laser Based on Nonlinear Polarization Evolution. <i>IEEE Photonics Journal</i> , 2015, 7, 1-7.	1.0	5
72	Ultra-high order harmonic mode-locking of a Raman fiber laser. <i>Applied Physics Express</i> , 2019, 12, 092002.	1.1	5

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73	Real-time observation of Q-switched mode-locking in a tin selenide modulated ultrafast fiber laser. Applied Physics Express, 2021, 14, 042009.	1.1	5
74	Emission of multiple resonant radiations by spatiotemporal oscillation of multimode dark pulses. Optics Express, 2019, 27, 36022.	1.7	5
75	Optical event horizon-based complete transformation and control of dark solitons. Optics Letters, 2018, 43, 5327.	1.7	5
76	High energy switchable pulsed High-order Mode beams in a mode-locking Raman all-fiber laser with high efficiency. Optics Express, 2021, 29, 40538.	1.7	5
77	Nonlinear-dependent h-shaped pulse generation in a Raman fiber laser. Optics and Laser Technology, 2022, 151, 108055.	2.2	3
78	Correlation between geometric parametric instability sidebands in graded-index multimode fibers. Chaos, 2021, 31, 013109.	1.0	2
79	Two-Dimensional Materials Based Optoelectronics. Advances in Condensed Matter Physics, 2017, 2017, 1-2.	0.4	1
80	Thermotunable Terahertz Negative-Index Metamaterials with Dielectric Spheres Embedded in Semiconductor Host. Advances in Condensed Matter Physics, 2018, 2018, 1-6.	0.4	1
81	Short-cavity random distributed feedback fiber laser with ultra-low threshold. Applied Physics Express, 2020, 13, 012008.	1.1	1
82	Passively Graphene Mode-Locked Soliton Erbium-Doped Fiber Lasers. Zhongguo Jiguang/Chinese Journal of Lasers, 2012, 39, 0602003.	0.2	1
83	Passive Harmonic Mode-Locking in Er-Doped Fiber Laser Based on Mechanical Exfoliated Graphene Saturable Absorber. Zhongguo Jiguang/Chinese Journal of Lasers, 2015, 42, 0802013.	0.2	1
84	~3.5 μ m self-Q-switched Er ³⁺ :ZBLAN fiber laser stabilized by an ASE seeded pump source. , 2019, , .		1
85	Large normal group velocity dispersion of micro/nano optical fiber near 2- μ m wavelength. Optical Engineering, 2013, 52, 025003.	0.5	0
86	Visual saliency detection by DCT coefficient dissimilarity. , 2014, , .		0
87	Narrow Linewidth Q-switched Er-doped All Fiber Laser based on Topological Insulator. , 2014, , .		0
88	Comprehensive study on the concept of spectral-domain reflection and refraction. Applied Physics Express, 2019, 12, 102013.	1.1	0
89	Wavelength-tunable passively Q-switched erbium-doped fiber laser with graphene-based saturable absorber. Qiangjiguang Yu Lizishu/High Power Laser and Particle Beams, 2012, 24, 2807-2810.	0.0	0
90	Large-Mode-Area Double-Cladding Yb-Doped Photonic Crystal Fiber Q-Switched Mode-Locked Laser with Graphene-Based Saturable Absorber Mirror. Zhongguo Jiguang/Chinese Journal of Lasers, 2014, 41, 0402001.	0.2	0

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91	Passively Q-switched Er ³⁺ -doped ZBLAN fiber laser at $\sim 3.5 \mu\text{m}$ based on a semiconductor saturable absorber mirror. , 2020, , .		0
92	Spatio-temporal control of dispersive waves trapping by solitons in graded-index multimode fibers. Applied Physics Express, 2020, 13, 112003.	1.1	0