

Yizhong Huang

List of Publications by Year in descending order

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32
papers

2,103
citations

430874

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552781

26
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33
all docs

33
docs citations

33
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
1	1064-nm Q-switched ytterbium-doped fiber laser using few-layer topological insulator Bi ₂ Se ₃ as a saturable absorber. Optics Express, 2013, 21, 29516.	3.4	319
2	1-, 1.5-, and 2-μm Fiber Lasers Q-Switched by a Broadband Few-Layer MoS ₂ Saturable Absorber. Journal of Lightwave Technology, 2014, 32, 4679-4686.	4.6	318
3	Nonlinear optical absorption of few-layer molybdenum diselenide (MoSe ₂) for passively mode-locked soliton fiber laser [Invited]. Photonics Research, 2015, 3, A79.	7.0	227
4	Chalcogenide glass-on-graphene photonics. Nature Photonics, 2017, 11, 798-805.	31.4	190
5	Widely-tunable, passively Q-switched erbium-doped fiber laser with few-layer MoS ₂ saturable absorber. Optics Express, 2014, 22, 25258.	3.4	183
6	Passively Q-switched Nd:YAlO ₃ nanosecond laser using MoS ₂ as saturable absorber. Optics Express, 2014, 22, 28934.	3.4	123
7	Preparation of Few-Layer Bismuth Selenide by Liquid-Phase-Exfoliation and Its Optical Absorption Properties. Scientific Reports, 2014, 4, 4794.	3.3	112
8	Topological-Insulator Passively Q-Switched Double-Clad Fiber Laser at 2 μm Wavelength. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 1-8.	2.9	86
9	Chip-scale broadband spectroscopic chemical sensing using an integrated supercontinuum source in a chalcogenide glass waveguide. Photonics Research, 2018, 6, 506.	7.0	78
10	Low-loss photonic device in GeSbS chalcogenide glass. Optics Letters, 2016, 41, 3090.	3.3	65
11	12-W average-power, 700-W peak-power, 100-ps dissipative soliton resonance in a compact Er:Yb co-doped double-clad fiber laser. Optics Letters, 2017, 42, 462.	3.3	59
12	Multiwavelength Dissipative-Soliton Generation in Yb-Fiber Laser Using Graphene-Deposited Fiber-Taper. IEEE Photonics Technology Letters, 2012, 24, 1539-1542.	2.5	56
13	High-performance flexible waveguide-integrated photodetectors. Optica, 2018, 5, 44.	9.3	54
14	Gamma radiation effects in amorphous silicon and silicon nitride photonic devices. Optics Letters, 2017, 42, 587.	3.3	29
15	212-kHz-linewidth, transform-limited pulses from a single-frequency Q-switched fiber laser based on a few-layer Bi ₂ Se ₃ saturable absorber. Photonics Research, 2018, 6, C29.	7.0	29
16	Direct generation of 2-W average-power and 232-ps picosecond pulses from an ultra-simple Yb-doped double-clad fiber laser. Optics Letters, 2015, 40, 1097.	3.3	28
17	A new twist on glass: A brittle material enabling flexible integrated photonics. International Journal of Applied Glass Science, 2017, 8, 61-68.	2.0	27
18	Broadband Transparent Optical Phase Change Materials. , 2017, , .		25

#	ARTICLE	IF	CITATIONS
19	Passive Synchronization of 1.06- and 1.53- μ m Fiber Lasers Q-switched by a Common Graphene SA. IEEE Photonics Technology Letters, 2014, 26, 1474-1477.	2.5	23
20	Graphene mode-locked and Q-switched 2 - $\frac{1}{4}$ m Tm/Ho codoped fiber lasers using 1212-nm high-efficient pumping. Optical Engineering, 2016, 55, 081310. Nanosecond-Pulsed, Dual-Wavelength Passively Q-Switched λ -Cut	1.0	16
21	Nd:YVO ₄ Laser Using a Few-Layer Bi ₂ Se ₃ Saturable Absorber. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 369-374.	2.9	14
22	High-performance graphene-integrated thermo-optic switch: design and experimental validation [Invited]. Optical Materials Express, 2020, 10, 387.	3.0	13
23	Gradient Polymer Nanofoams for Encrypted Recording of Chemical Events. ACS Nano, 2016, 10, 10716-10725.	14.6	11
24	Ultrafast Raman Fiber Laser Based on Cavity Matching Scheme and Heavily Germania-Core Fiber. Journal of Lightwave Technology, 2019, 37, 2914-2919.	4.6	5
25	Passively Q-switched linear-cavity erbium-doped fiber laser with few-layer TI: Bi ₂ Se ₃ saturable absorber. , 2014, , .		4
26	Tunable, Continuous-Wave, Deep-Ultraviolet Laser Generation by Intracavity Frequency Doubling of Visible Fiber Lasers. Journal of Lightwave Technology, 2022, 40, 3900-3906.	4.6	4
27	2- $\frac{1}{4}$ m wavelength all-fiber Q-switched double-clad fiber laser using monopiece single-layer chemical-vapor-deposition graphene. Optical Engineering, 2014, 53, 106103.	1.0	3
28	1484-nm two-cascaded Raman fiber laser mode-locked by an intermode-beating mode-locking technique. Optical Engineering, 2015, 54, 046102.	1.0	1
29	Stretchable Integrated Microphotonics. , 2018, , .		1
30	1212 nm high-efficiently-pumped 2 \times 0.05 m Tm/Ho-co-doped fiber laser Q-switched by graphene. , 2015, , .		0
31	Chalcogenide Glass-on-Graphene Photonics. , 2017, , .		0
32	Integrated photonics put at full stretch: flexible and stretchable photonic devices enabled by optical and mechanical co-design. , 2019, , .		0