

## List of Publications by Citations

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**Version:** 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

1,417  
citations

19  
h-index

37  
g-index

58  
ext. papers

1,650  
ext. citations

4.4  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
54	Recent advances in black phosphorus-based photonics, electronics, sensors and energy devices. <i>Materials Horizons</i> , <b>2017</b> , 4, 997-1019	14.4	250
53	Broadband and enhanced nonlinear optical response of MoS <sub>2</sub> /graphene nanocomposites for ultrafast photonics applications. <i>Scientific Reports</i> , <b>2015</b> , 5, 16372	4.9	147
52	Wide spectral and wavelength-tunable dissipative soliton fiber laser with topological insulator nano-sheets self-assembly films sandwiched by PMMA polymer. <i>Optics Express</i> , <b>2015</b> , 23, 7681-93	3.3	96
51	Few-Layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1769-1778	8.1	76
50	Broadband ultrafast nonlinear optical response of few-layers graphene: toward the mid-infrared regime. <i>Photonics Research</i> , <b>2015</b> , 3, 214	6	74
49	Highly stable femtosecond pulse generation from a MXene Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (T = F, O, or OH) mode-locked fiber laser. <i>Photonics Research</i> , <b>2019</b> , 7, 260	6	70
48	Broadband ultrafast spatial self-phase modulation for topological insulator Bi <sub>2</sub> Te <sub>3</sub> dispersions. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 151101	3.4	64
47	2.8- $\mu\text{m}$ Pulsed Er <sup>3+</sup> : ZBLAN Fiber Laser Modulated by Topological Insulator. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 1573-1576	2.2	55
46	Unleashing the potential of Ti <sub>2</sub> CT <sub>x</sub> MXene as a pulse modulator for mid-infrared fiber lasers. <i>2D Materials</i> , <b>2019</b> , 6, 045038	5.9	54
45	Tunable Schottky barrier width and enormously enhanced photoresponsivity in Sb doped SnS <sub>2</sub> monolayer. <i>Nano Research</i> , <b>2019</b> , 12, 463-468	10	50
44	Third-order nonlinear optical response of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite in the mid-infrared regime. <i>Optical Materials Express</i> , <b>2017</b> , 7, 3894	2.6	44
43	Broadband third order nonlinear optical responses of bismuth telluride nanosheets. <i>Optical Materials Express</i> , <b>2016</b> , 6, 2244	2.6	40
42	Few-layer rhenium diselenide: an ambient-stable nonlinear optical modulator. <i>Optical Materials Express</i> , <b>2018</b> , 8, 926	2.6	32
41	Ti <sub>2</sub> CT <sub>x</sub> MXene-based all-optical modulator. <i>Information Materials</i> , <b>2020</b> , 2, 601-609	23.1	28
40	Bulk-structured PtSe for femtosecond fiber laser mode-locking. <i>Optics Express</i> , <b>2019</b> , 27, 2604-2611	3.3	25
39	High-performance asymmetric electrodes photodiode based on Sb/WSe <sub>2</sub> heterostructure. <i>Nano Research</i> , <b>2019</b> , 12, 339-344	10	25
38	Ultrafast pulse generation from erbium-doped fiber laser modulated by hybrid organic-inorganic halide perovskites. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 161111	3.4	23

37	Two-dimensional plumbum-doped tin diselenide monolayer transistor with high on/off ratio. <i>Nanotechnology</i> , <b>2018</b> , 29, 474002	3.4	22
36	Bilayer Bismuth Selenide nanoplatelets based saturable absorber for ultra-short pulse generation (Invited). <i>Optics Communications</i> , <b>2017</b> , 395, 55-60	2	21
35	Ultrafast nonlinear optical response in solution dispersions of black phosphorus. <i>Scientific Reports</i> , <b>2017</b> , 7, 3352	4.9	19
34	Gold nanostars as a Q-switcher for the mid-infrared erbium-doped fluoride fiber laser. <i>Optics Letters</i> , <b>2018</b> , 43, 5459-5462	3	17
33	Graphene Q-Switched Vectorial Fiber Laser With Switchable Polarized Output. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 26-32	3.8	14
32	Broadband spatial self-phase modulation and ultrafast response of MXene Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (T=O, OH or F). <i>Nanophotonics</i> , <b>2020</b> , 9, 2415-2424	6.3	14
31	Enhancing the saturable absorption and carrier dynamics of graphene with plasmonic nanowires. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2159-2166	1.3	14
30	Erbium-Doped Fiber Laser Mode-Locked by Halide Perovskite via Evanescent Field Interaction. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 577-580	2.2	13
29	Bismuth Telluride nanocrystal: broadband nonlinear response and its application in ultrafast photonics. <i>Scientific Reports</i> , <b>2018</b> , 8, 2355	4.9	12
28	Broadband mid-infrared nonlinear optical modulator enabled by gold nanorods: towards the mid-infrared regime. <i>Photonics Research</i> , <b>2019</b> , 7, 699	6	12
27	Nonlinear Optical Response in Natural van der Waals Heterostructures. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000382	8.1	11
26	Broadband Nonlinear Optical Response of Single-Crystalline Bismuth Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35863-35870	9.5	11
25	Passively Q-switched vectorial fiber laser modulated by hybrid organic/inorganic perovskites. <i>Optical Materials Express</i> , <b>2017</b> , 7, 1220	2.6	11
24	Understanding the enhancement of responsivity in perovskite/organic semiconductor bilayer-structured photodetectors. <i>Organic Electronics</i> , <b>2019</b> , 75, 105372	3.5	10
23	Tunable Gold Nanorods Q-Switcher for Pulsed Er-Doped Fiber Laser. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-9	1.8	10
22	Drop-Casted Self-Assembled Topological Insulator Membrane as an Effective Saturable Absorber for Ultrafast Laser Photonics. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-11	1.8	7
21	Antimony Thin Film as a Robust Broadband Saturable Absorber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2021</b> , 27, 1-7	3.8	6
20	Modeling the Broadband Mid-Infrared Dispersion Compensator Based on ZBLAN Microfiber. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 728-731	2.2	5

19	Robust hybrid mode-locking operation with bulk-like transition metal pentatellurides. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 6445-6451	7.1	5
18	Stable Dissipative Soliton Generation From Yb-Doped Fiber Laser Modulated via Evanescent Field Interaction With Gold Nanorods. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-8	1.8	4
17	All-Optical Signal Processing: Few-Layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect (Advanced Optical Materials 12/2015). <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1768-1768	8.1	3
16	Broadband optical response of layered nickel ditelluride towards the mid-infrared regime. <i>Optical Materials Express</i> , <b>2020</b> , 10, 1335	2.6	3
15	Passive photonic diodes based on natural van der Waals heterostructures. <i>Nanophotonics</i> , <b>2020</b> , 10, 927-935	3.5	3
14	Duration Switchable High-Energy Passively Mode-Locked Raman Fiber Laser Based on Nonlinear Polarization Evolution. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-7	1.8	2
13	Tailoring the dispersion behavior of optical nanowires with intercore-cladding lithium niobate thin film. <i>Optics Express</i> , <b>2015</b> , 23, 27085-93	3.3	2
12	Highly stable soliton and bound soliton generation from a fiber laser mode-locked by VSe nanosheets.. <i>Optics Express</i> , <b>2022</b> , 30, 6838-6845	3.3	2
11	Self-Defocusing of Light in Ethanol Around 1550 nm. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-8	1.8	2
10	Broadband Passive Photonic Diodes With the Saturable Absorption in Antimony Thin Film. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-7	1.8	1
9	Third-order nonlinear optical response of Yb:YAG ceramics under femtosecond laser irradiation. <i>Optical Materials</i> , <b>2019</b> , 98, 109435	3.3	1
8	Robust nanosecond laser passively Q-switched by tin selenide nanoflowers. <i>Optics Express</i> , <b>2021</b> , 29, 41388	3.3	1
7	Watt-level superfluorescent fiber source near 3 $\mu$ m. <i>Optics Letters</i> , <b>2021</b> , 46, 2778-2781	3	1
6	Nonlinear optical responses of erbium-doped YAG ceramics. <i>Optical Materials</i> , <b>2016</b> , 57, 231-235	3.3	1
5	Dual-Wavelength Nanosecond Nd:YVO <sub>4</sub> Laser With Switchable Inhomogeneous Polarization Output. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-5	3.8	0
4	Enhancement of Optical Nonlinearity in the Triangular Gold Nanoplates on Indium Tin Oxide. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-8	1.8	0
3	Layered Ta <sub>2</sub> NiS <sub>5</sub> Q-Switcher for Mid-Infrared Fluoride Fiber Laser. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-4	1.8	0
2	Modelling the broadband mid-infrared dispersion compensator with hybrid silicon and lithium niobate nanowire. <i>OSA Continuum</i> , <b>2018</b> , 1, 736	1.4	0

- 1 Propagation Characteristics of Anisotropic a-Axis Hollow Lithium Niobate Nanowire. *Journal of Lightwave Technology*, **2016**, 34, 4028-4035