Qiao Wen

List of Publications by Year
in descending order

38 papers	1,575 citations	516710 16 h-index	377865 34 g-index
38 all docs	38 docs citations	38 times ranked	1666 citing authors

#	Article	IF	Citations
1	Broadband Nonlinear Photonics in Fewâ€Layer MXene Ti₃C₂T_x (T =) Tj ETQq1 1 0.784314 rgB	8.7	550
2	Ultrathin Metalâ€“Organic Framework: An Emerging Broadband Nonlinear Optical Material for Ultrafast Photonics. Advanced Optical Materials, 2018, 6, 1800561.	7.3	268
3	Inkjet-printed MXene micro-scale devices for integrated broadband ultrafast photonics. Npj 2D Materials and Applications, 2019, 3, .	7.9	87
4	Graphene/phosphorene nano-heterojunction: facile synthesis, nonlinear optics, and ultrafast photonics applications with enhanced performance. Photonics Research, 2017, 5, 662.	7.0	85
5	Zeroâ€Dimensional MXeneâ€Based Optical Devices for Ultrafast and Ultranarrow Photonics Applications. Advanced Science, 2020, 7, 2002209.	11.2	60
6	Ultrasmall 2D NbSe₂ based quantum dots used for low threshold ultrafast lasers. Journal of Materials Chemistry C, 2018, 6, 12638-12642.	5.5	55
7	Optical limiting properties of a few-layer MoS₂/PMMA composite under excitation of ultrafast laser pulses. Journal of Materials Chemistry C, 2019, 7, 495-502.	5.5	46
8	Single frequency fiber laser based on an ultrathin metalâ€“organic framework. Journal of Materials Chemistry C, 2019, 7, 4662-4666.	5.5	42
9	Ultrafast laser pulse (115 fs) generation by using direct bandgap ultrasmall 2D GaTe quantum dots. Journal of Materials Chemistry C, 2019, 7, 5937-5944.	5.5	40
10	Ti₂CT_x (T=O, OH or F) Nanosheets as New Broadband Saturable Absorber for Ultrafast Photonics. Journal of Lightwave Technology, 2020, 38, 1975-1980.	4.6	37
11	Passively Q-Switched Nd:YVO4 Laser Using WS2 Saturable Absorber Fabricated by Radio Frequency Magnetron Sputtering Deposition. Journal of Lightwave Technology, 2017, 35, 4120-4124.	4.6	33
12	Technique and model for modifying the saturable absorption (SA) properties of 2D nanofilms by considering interband exciton recombination. Journal of Materials Chemistry C, 2018, 6, 7501-7511.	5.5	32
13	Ultrafast Yb-Doped Fiber Laser Using Few Layers of PdS2 Saturable Absorber. Nanomaterials, 2020, 10, 2441.	4.1	26
14	In₂Se₃ nanosheets with broadband saturable absorption used for near-infrared femtosecond laser mode locking. Nanotechnology, 2019, 30, 465704.	2.6	19
15	Passively Q-Switched Nd:YAG Laser With Graphene Oxide in Heavy Water. IEEE Photonics Journal, 2014, 6, 1-6.	2.0	18
16	Effect of laser illumination on the morphology and optical property of few-layer MoS₂ nanosheet in NMP and PMMA. Journal of Materials Chemistry C, 2016, 4, 678-683.	5.5	17
17	GeAs₂ Saturable Absorber for Ultrafast and Ultranarrow Photonic Applications. Advanced Functional Materials, 2022, 32, .	14.9	17
18	MXene Quantum Dot Synthesis, Optical Properties, and Ultraâ€narrow Photonics: A Comparison of Various Sizes andÂConcentrations. Laser and Photonics Reviews, 2021, 15, 2100059.	8.7	16

#	Article	IF	Citations
19	Nonlinear optical properties of two-dimensional palladium ditelluride (PdTe2) and its application as aerosol jet printed saturable absorbers for broadband ultrafast photonics. Applied Materials Today, 2022, 26, 101296.	4.3	14
20	Liquid-Phase Exfoliation of Ta2NiS5 and Its Application in Near-Infrared Mode-Locked Fiber Lasers with Evanescent Field Interactions and Passively Q-Switched Bulk Laser. Nanomaterials, 2022, 12, 695.	4.1	14
21	Ti2CTx MXene as a Saturable Absorber for Passively Q-Switched Solid-State Lasers. Polymers, 2021, 13, 247.	4.5	11
22	Ultrafast photonics applications based on evanescent field interactions with 2D molybdenum carbide (Mo₂C). Journal of Materials Chemistry C, 0, , .	5.5	11
23	Single element material sulfur quantum dots nonlinear optics and ultrafast photonic applications. Optics and Laser Technology, 2021, 138, 106858.	4.6	10
24	A simple method for astigmatic compensation of folded resonator without Brewster window. Optics Express, 2014, 22, 2309.	3.4	9
25	MXene/Graphene Oxide Heterojunction as a Saturable Absorber for Passively Q-Switched Solid-State Pulse Lasers. Nanomaterials, 2021, 11, 720.	4.1	9
26	Single frequency fiber laser base on MXene with kHz linewidth. Journal of Materials Chemistry C, 2021, 9, 2276-2281.	5.5	8
27	Linear-cavity-based single frequency fiber laser with a loop mirror and Ti2CTx quantum dots. Optical Materials, 2021, 122, 111686.	3.6	8
28	Ultrafast pulse generation based on the 2D analogue of black phosphorusâ€”GeS. OSA Continuum, 2020, 3, 658.	1.8	7
29	Preparation of ultrathin graphitic carbon nitride nanosheet and its application to a tunable multi-wavelength mode-locked fiber laser. Optical Materials, 2018, 86, 382-386.	3.6	6
30	Sub-kilohertz linewidth fiber laser by using Bragg grating filters. Applied Optics, 2021, 60, 4299.	1.8	6
31	CH3NH3PbI3 Perovskite/Silver Nanowire Complex with Higher Absorption and Stability. Journal of Electronic Materials, 2021, 50, 5177.	2.2	4
32	MXene Core-Shell Nanosheets: Facile Synthesis, Optical Properties, and Versatile Photonics Applications. Nanomaterials, 2021, 11, 1995.	4.1	4
33	Exact Analytical Solution for the Mutual Compensation of Astigmatism Using Curved Mirrors in a Folded Resonator Laser. IEEE Photonics Journal, 2014, 6, 1-13.	2.0	2
34	100â€…MHz frequency-spacing switchable single-dual-frequency laser based on MXene QDs and a phase-shifted FBG. Optics Express, 2021, 29, 43679.	3.4	2
35	Passively Q-switched Er-doped fiber laser based on NbSe<inf>2</inf> quantum dot saturable absorber. , 2018, , .		1
36	CH3NH3PbI3 Perovskite with Enhanced Absorption and Stability Using Silver Nanowires and the Anatase Structure of TiO2 Nanowires. Journal of Electronic Materials, 2022, 51, 778-784.	2.2	1

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37	Photoelectronic mechanism investigation of the structural transformation of CH₃NH₃PbI₃ perovskites from a subnanosheet to a microwire. Materials Advances, 2020, 1, 3208-3214.	5.4	0
38	Simple method for high beam quality laser resonator design. OSA Continuum, 2021, 4, 2036.	1.8	0