

Fang Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	One-Step Exfoliation and Hydroxylation of Boron Nitride Nanosheets with Enhanced Optical Limiting Performance. <i>Advanced Optical Materials</i> , 2016, 4, 141-146.	7.3	99
2	Dependence of the saturable absorption of graphene upon excitation photon energy. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	63
3	Strong optical limiting behavior discovered in black phosphorus. <i>RSC Advances</i> , 2016, 6, 20027-20033.	3.6	44
4	Passively Q-switched and mode-locked erbium-doped fiber lasers based on tellurene nanosheets as saturable absorber. <i>Optics Express</i> , 2020, 28, 14729.	3.4	44
5	Excellent nonlinear absorption properties of \hat{I}^2 -antimonene nanosheets. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2848-2853.	5.5	42
6	Broadband nonlinear absorption properties of two-dimensional hexagonal tellurene nanosheets. <i>Nanoscale</i> , 2019, 11, 17058-17064.	5.6	42
7	2D graphdiyne: an excellent ultraviolet nonlinear absorption material. <i>Nanoscale</i> , 2020, 12, 6243-6249.	5.6	40
8	Passively Q-switched Nd ³⁺ solid-state lasers with antimonene as saturable absorber. <i>Optics Express</i> , 2018, 26, 4085.	3.4	38
9	Nonlinear optical effects in nitrogen-doped graphene. <i>RSC Advances</i> , 2016, 6, 3526-3531.	3.6	28
10	Effects of interlayer coupling on the electronic structures of antimonene/graphene van der Waals heterostructures. <i>Superlattices and Microstructures</i> , 2016, 100, 826-832.	3.1	27
11	Q-Switched Erbium-doped Fiber Laser Based on Silicon Nanosheets as Saturable Absorber. <i>Optik</i> , 2020, 202, 163692.	2.9	23
12	Ultrathin 2D Nonlayered Tellurene Nanosheets as Saturable Absorber for Picosecond Pulse Generation in All-Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-6.	2.9	18
13	Single- and Dual-Wavelength Passively Mode-Locked Erbium-Doped Fiber Laser Based on Antimonene Saturable Absorber. <i>IEEE Photonics Journal</i> , 2019, 11, 1-11.	2.0	17
14	Passively Q-switched modulation based on antimonene in erbium-doped fiber laser with a long term stability. <i>Optical Materials</i> , 2021, 118, 111256.	3.6	17
15	Nonlinear absorption properties of silicene nanosheets. <i>Nanotechnology</i> , 2018, 29, 225701.	2.6	12
16	Liquid-Phase Exfoliated Silicon Nanosheets: Saturable Absorber for Solid-State Lasers. <i>Materials</i> , 2019, 12, 201.	2.9	12
17	Review of pulse compression gratings for chirped pulse amplification system. <i>Optical Engineering</i> , 2021, 60, .	1.0	11
18	Excellent nonlinear absorption properties of 2D germanium nanosheets in the infrared band. <i>Optical Materials</i> , 2022, 125, 112115.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Starting monomer of graphdiyneâ€“hexakis[(trimethylsilyl)ethynyl]benzene: a superior nonlinear absorption material. <i>Journal of Materials Science</i> , 2021, 56, 3653-3662.	3.7	8
20	2D tungsten nanosheets: ascendant nonlinear absorption properties in the ultraviolet band. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6682-6686.	5.5	8
21	Excellent ultraviolet optical limiting properties of 2D chromium nanosheets. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13432-13438.	5.5	7
22	2D Manganese Nanosheets with Optical-Limiting Behavior for Precision Instrument and Eye Protection. <i>ACS Applied Nano Materials</i> , 2022, 5, 8080-8088.	5.0	6
23	An intelligent method to design laser resonator with particle swarm optimization algorithm. <i>Optoelectronics Letters</i> , 2018, 14, 425-428.	0.8	5
24	Broadband saturated absorption properties of bismuthene nanosheets. <i>RSC Advances</i> , 2021, 11, 35046-35050.	3.6	1
25	Enhanced optical limiting effect in fluorine-functionalized graphene oxide. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	0
26	Synthetic 2D tellurium nanosheets with intense TE wave polarization absorption by employing the PVD method. <i>Journal of Nanoparticle Research</i> , 2022, 24, .	1.9	0