

Shenggui Fu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9408009/publications.pdf>

Version: 2024-02-01

40
papers

873
citations

516710

16
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	Tellurene-based saturable absorber to demonstrate large-energy dissipative soliton and noise-like pulse generations. <i>Nanophotonics</i> , 2020, 9, 2783-2795.	6.0	149
2	Palladium selenide as a broadband saturable absorber for ultra-fast photonics. <i>Nanophotonics</i> , 2020, 9, 2557-2567.	6.0	91
3	Recent Progress of Fiber-Optic Sensors for the Structural Health Monitoring of Civil Infrastructure. <i>Sensors</i> , 2020, 20, 4517.	3.8	87
4	Ultrafast photonics applications of emerging 2D-Xenes beyond graphene. <i>Nanophotonics</i> , 2022, 11, 1261-1284.	6.0	65
5	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
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	Large-energy mode-locked Er-doped fiber laser based on indium selenide as a modulator. <i>Optical Materials Express</i> , 2019, 9, 2662.	3.0	29
9	Redistributing the energy flow of a tightly focused radially polarized optical field by designing phase masks. <i>Optics Express</i> , 2018, 26, 23935.	3.4	27
10	Polymer-based microfluidic devices: A comprehensive review on preparation and applications. <i>Polymer Engineering and Science</i> , 2022, 62, 3-24.	3.1	26
11	Q-Switched Erbium-doped Fiber Laser Based on Silicon Nanosheets as Saturable Absorber. <i>Optik</i> , 2020, 202, 163692.	2.9	23
12	Ferromagnetic insulator Cr ₂ Ge ₂ Te ₆ as a modulator for generating near-infrared bright-dark soliton pairs. <i>Applied Optics</i> , 2019, 58, 9217.	1.8	23
13	Focus engineering based on analytical formulae for tightly focused polarized beams with arbitrary geometric configurations of linear polarization. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 1384.	1.5	18
14	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
15	Pancharatnam-Berry phase shaping for control of the transverse enhancement of focusing. <i>Optics Letters</i> , 2019, 44, 427.	3.3	18
16	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
17	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
18	Fully controlled photonic spin in highly confined optical field. <i>Optics Express</i> , 2019, 27, 33621.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Creation of complex nano-interferometric field structures. <i>Optics Letters</i> , 2020, 45, 37.	3.3	16
20	Graphene-based ultrasensitive optical microfluidic sensor for the real-time and label-free monitoring of simulated arterial blood flow. <i>Optics Express</i> , 2020, 28, 16594.	3.4	15
21	Passively mode-locked Er-doped fiber laser based on a ferromagnetic insulator Cr ₂ Si ₂ Te ₆ as a saturable absorber. <i>Applied Optics</i> , 2022, 61, 898.	1.8	12
22	Demonstration of passively Q-switched and mode-locked operations through dispersion control in Er-doped fiber lasers with a cylindrite-based saturable absorber. <i>Journal of Luminescence</i> , 2022, 250, 119064.	3.1	9
23	Hybrid polarization induced transverse energy flow. <i>Optics Communications</i> , 2021, 485, 126704.	2.1	8
24	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
25	Passively Q-switched Nd-doped fiber laser based on PbS/CdS core/shell quantum dots as a saturable absorber. <i>Applied Optics</i> , 2019, 58, 3036.	1.8	8
26	Metallic particle manipulation with adjustable trapping range through customized field. <i>Optics Communications</i> , 2020, 473, 126045.	2.1	7
27	Large-energy mode-locked Er-doped fiber laser based Cr ₂ Si ₂ Te ₆ as a modulator. <i>Infrared Physics and Technology</i> , 2021, 119, 103941.	2.9	7
28	Review of passive polarimetric dehazing methods. <i>Optical Engineering</i> , 2021, 60, .	1.0	6
29	Q-switched dissipative soliton resonance operation in GeTe based fiber laser. <i>Infrared Physics and Technology</i> , 2021, 116, 103806.	2.9	6
30	Tin monoselenide based saturable absorbers for the generation of ultrashort pulses. <i>Infrared Physics and Technology</i> , 2020, 108, 103349.	2.9	4
31	Superconductivity in ThMo ₂ Si ₂ C with Mo ₂ C square net. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	4
32	Demonstration of high-stable self-mode-locking pulses based on self-focusing in fiber lasers. <i>Infrared Physics and Technology</i> , 2022, 125, 104244.	2.9	4
33	Subwavelength spinning of particles in vector cosine-Gaussian field with radial polarization. <i>Optics Communications</i> , 2022, 508, 127829.	2.1	3
34	Polarimetric imaging method for target enhancement in haze based on polarimetric retrieval. <i>Journal of Modern Optics</i> , 2019, 66, 1235-1243.	1.3	2
35	Broadband saturated absorption properties of bismuthene nanosheets. <i>RSC Advances</i> , 2021, 11, 35046-35050.	3.6	1
36	Generation of bright-dark soliton pairs based on a ferromagnetic insulator Cr ₂ Si ₂ Te ₆ as a modulator in an Er-doped fiber laser. <i>Applied Optics</i> , 2022, 61, 3254.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Evolving electromagnetic chirality of a focused field from the Poincaré sphere perspective. <i>Optik</i> , 2022, 262, 169278.	2.9	1
38	Mode-locked fiber laser based on Pb ₃ Sn ₄ FeSb ₂ S ₁₄ saturable absorber. <i>Optical Fiber Technology</i> , 2022, 72, 102951.	2.7	1
39	Passively erbium-doped mode-locked fiber laser based on SnSe ₂ nanosheets. , 2018, , .		0
40	Multi-element two-dimensional compounds Pb ₃ Sn ₄ FeSb ₂ S ₁₄ as saturable absorber to demonstrate large-energy mode-locked pulse generations. <i>Optik</i> , 2022, , 169411.	2.9	0