Yu-Feng Song

List of Publications by Year
in descending order

101	4,620	117625	102487
papers	citations	34 h-index	66 g-index

103	103	103	2834
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wavelength tunable Q-switched Er-doped fiber laser based on ZrSe2. Optics and Laser Technology, 2022, 147, 107598.	4.6	8
2	Chemistry, Functionalization, and Applications of Recent Monoelemental Two-Dimensional Materials and Their Heterostructures. Chemical Reviews, 2022, 122, 1127-1207.	47.7	103
3	Graphene-enhanced polarization-insensitive all-optical wavelength conversion based on four-wave mixing. Optics Express, 2022, 30, 10168.	3.4	5
4	Real-time dynamics of noise-like vector pulses in a figure-eight fiber laser. Optics Express, 2022, 30, 9137.	3.4	12
5	Gigahertz femtosecond laser-by a novel asymmetric one-dimensional photonic crystal saturable absorber device with defect layer. Nanophotonics, 2022, 11, 2939-2951.	6.0	11
6	Facile Synthesis of Monodispersed Titanium Nitride Quantum Dots for Harmonic Mode-Locking Generation in an Ultrafast Fiber Laser. Nanomaterials, 2022, 12, 2280.	4.1	10
7	MXene (Ti2NTx): Synthesis, characteristics and application as a thermo-optical switcher for all-optical wavelength tuning laser. Science China Materials, 2021, 64, 259-265.	6.3	40
8	Fast solution method to prepare hexagonal tellurium nanosheets for optoelectronic and ultrafast photonic applications. Journal of Materials Chemistry C, 2021, 9, 508-516.	5.5	17
9	Vector soliton and noise-like pulse generation using a Ti3C2 MXene material in a fiber laser. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 318-324.	2.6	16
10	Boron quantum dots all-optical modulator based on efficient photothermal effect. Opto-Electronic Advances, 2021, 4, 200032-200032.	13.3	13
11	Editorial: Ultrafast Photonics of Low-Dimensional Materials. Frontiers in Physics, 2021, 8, .	2.1	2
12	Broadband Nonlinear Photonics in Fewâ€Layer Borophene. Small, 2021, 17, e2006891.	10.0	42
13	Gold Nanoclusterâ€Modified Titanium Nitride for Ultrafast Photonics Applications. Advanced Electronic Materials, 2021, 7, 2000954.	5.1	11
14	Rogue wave light bullets of the three-dimensional inhomogeneous nonlinear SchrÃ¶dinger equation. Photonics Research, 2021, 9, 643.	7.0	10
15	Broadband and ultrafast all-optical switching based on transition metal carbide. Nanophotonics, 2021, 10, 2617-2623.	6.0	9
16	Wavelength tunable passive-mode locked Er-doped fiber laser based on graphene oxide nano-platelet. Optics and Laser Technology, 2021, 140, 106932.	4.6	16
17	Discrete light bullets in coupled optical resonators. Optics Letters, 2021, 46, 4072.	3.3	6
18	Tin selenide: A promising black-phosphorus-analogue nonlinear optical material and its application as all-optical switcher and all-optical logic gate. Materials Today Physics, 2021, 21, 100500.	6.0	6

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19	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. Nanoscale, 2021, 13, 15891-15898.	5.6	11
20	Dual-wavelength dissipative solitons in an anomalous-dispersion-cavity fiber laser. Nanophotonics, 2020, 9, 2361-2366.	6.0	9
21	Recent advances of low-dimensional materials in Mid- and Far-infrared photonics. Applied Materials Today, 2020, 21, 100800.	4.3	27
22	Band structure tuning of Î±-MoO₃ by tin intercalation for ultrafast photonic applications. Nanoscale, 2020, 12, 23140-23149.	5.6	20
23	Ti₃C₂T_x MXene Quantum Dots with Enhanced Stability for Ultrafast Photonics. ACS Applied Nano Materials, 2020, 3, 11850-11860.	5.0	38
24	Recent Advances of Spatial Selfâ€Phase Modulation in 2D Materials and Passive Photonic Device Applications. Small, 2020, 16, e2002252.	10.0	35
25	Recent developments in mid-infrared fiber lasers: Status and challenges. Optics and Laser Technology, 2020, 132, 106497.	4.6	57
26	Control of dissipative rogue waves in nonlinear cavity optics: Optical injection and time-delayed feedback. Chaos, 2020, 30, 053103.	2.5	12
27	Dissipative dark-bright vector solitons in fiber lasers. Physical Review A, 2020, 101, .	2.5	21
28	Dissipative peregrine solitons in fiber lasers. JPhys Photonics, 2020, 2, 034011.	4.6	3
29	Dark solitons embedded in a stable periodic pulse train emitted by a fiber ring laser. JPhys Photonics, 2020, 2, 034009.	4.6	1
30	All-optical modulation with 2D layered materials: status and prospects. Nanophotonics, 2020, 9, 2107-2124.	6.0	51
31	Graphdiyne as a Promising Midâ€Infrared Nonlinear Optical Material for Ultrafast Photonics. Advanced Optical Materials, 2020, 8, 2000067.	7.3	57
32	MXene Photonic Devices for Near-Infrared to Mid-Infrared Ultrashort Pulse Generation. ACS Applied Nano Materials, 2020, 3, 3513-3522.	5.0	42
33	Graphdiyneâ€Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. Laser and Photonics Reviews, 2020, 14, 1900367.	8.7	99
34	A nano-lateral heterojunction of selenium-coated tellurium for infrared-band soliton fiber lasers. Nanoscale, 2020, 12, 15252-15260.	5.6	11
35	Generation and pulsating behaviors of loosely bound solitons in a passively mode-locked fiber laser. Physical Review A, 2020, 101, .	2.5	18
36	Facile Synthesis of 2D Tin Selenide for Nearâ€and Midâ€Infrared Ultrafast Photonics Applications. Advanced Optical Materials, 2020, 8, 1902183.	7.3	23

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37	Tellurium@Selenium core-shell hetero-junction: Facile synthesis, nonlinear optics, and ultrafast photonics applications towards mid-infrared regime. Applied Materials Today, 2020, 20, 100657.	4.3	9
38	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. Reports on Progress in Physics, 2020, 83, 116401.	20.1	35
39	Recent progress on optical rogue waves in fiber lasers: status, challenges, and perspectives. Advanced Photonics, 2020, 2, 1.	11.8	71
40	Simultaneous generation and real-time observation of loosely bound solitons and noise-like pulses in a dispersion-managed fiber laser with net-normal dispersion. Optics Express, 2020, 28, 39463.	3.4	17
41	MXene saturable absorber enabled hybrid mode-locking technology: a new routine of advancing femtosecond fiber lasers performance. Nanophotonics, 2020, 9, 2451-2458.	6.0	50
42	2D GeP-based photonic device for near-infrared and mid-infrared ultrafast photonics. Nanophotonics, 2020, 9, 3645-3654.	6.0	14
43	Two-dimensional tin diselenide nanosheets pretreated with an alkaloid for near- and mid-infrared ultrafast photonics. Photonics Research, 2020, 8, 1687.	7.0	10
44	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. Laser and Photonics Reviews, 2019, 13, 1900123.	8.7	76
45	NiPS₃ nanoflakes: a nonlinear optical material for ultrafast photonics. Nanoscale, 2019, 11, 14383-14391.	5.6	34
46	Black phosphorus quantum dot based all-optical signal processing: ultrafast optical switching and wavelength converting. Nanotechnology, 2019, 30, 415202.	2.6	30
47	An Allâ€Optical, Actively Qâ€Switched Fiber Laser by an Antimoneneâ€Based Optical Modulator. Laser and Photonics Reviews, 2019, 13, 1800313.	8.7	122
48	Nonlinear Fewâ€Layer MXeneâ€Assisted Allâ€Optical Wavelength Conversion at Telecommunication Band. Advanced Optical Materials, 2019, 7, 1801777.	7.3	86
49	Recent progress of study on optical solitons in fiber lasers. Applied Physics Reviews, 2019, 6, .	11.3	295
50	Observation of vector solitons supported by third-order dispersion. Physical Review A, 2019, 99, .	2.5	9
51	Lead monoxide: a promising two-dimensional layered material for applications in nonlinear photonics in the infrared band. Nanoscale, 2019, 11, 12595-12602.	5.6	36
52	Thermal stress-induced all-optical modulation in MXene-coated polarization maintaining fiber. Laser Physics Letters, 2019, 16, 065107.	1.4	11
53	Few-layer bismuthene for robust ultrafast photonics in C-Band optical communications. Nanotechnology, 2019, 30, 354002.	2.6	37
54	MXene Ti₃C₂T_x: A Promising Photothermal Conversion Material and Application in Allâ€Optical Modulation and Allâ€Optical Information Loading. Advanced Optical Materials, 2019, 7, 1900060.	7.3	115

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55	Beta-lead oxide quantum dot (Î²-PbO QD)/polystyrene (PS) composite films and their applications in ultrafast photonics. Nanoscale, 2019, 11, 6828-6837.	5.6	33
56	Two-dimensional telluriumâ€“polymer membrane for ultrafast photonics. Nanoscale, 2019, 11, 6235-6242.	5.6	104
57	Vector dark solitons in a single mode fibre laser. Laser Physics Letters, 2019, 16, 085110.	1.4	6
58	Cavity-assisted modulation instability lasing of a fiber ring laser. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	11
59	All-optical signal processing in few-layer bismuthene coated microfiber: towards applications in optical fiber systems. Optics Express, 2019, 27, 16798.	3.4	24
60	Observation of incoherently coupled dark-bright vector solitons in single-mode fibers. Optics Express, 2019, 27, 18311.	3.4	19
61	Observation of dark-bright vector solitons in fiber lasers. Optics Letters, 2019, 44, 2185.	3.3	26
62	Nonlinear Fewâ€Layer Antimoneneâ€Based Allâ€Optical Signal Processing: Ultrafast Optical Switching and Highâ€Speed Wavelength Conversion. Advanced Optical Materials, 2018, 6, 1701287.	7.3	97
63	Allâ€Optical Phosphorene Phase Modulator with Enhanced Stability Under Ambient Conditions. Laser and Photonics Reviews, 2018, 12, 1800016.	8.7	155
64	Characterization of Dark Soliton Sidebands in All-Normal-Dispersion Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7.	2.9	6
65	Broadband Nonlinear Photoresponse of 2D TiS₂ for Ultrashort Pulse Generation and Allâ€Optical Thresholding Devices. Advanced Optical Materials, 2018, 6, 1701166.	7.3	248
66	Fewâ€Layer Bismuthene: Sonochemical Exfoliation, Nonlinear Optics and Applications for Ultrafast Photonics with Enhanced Stability. Laser and Photonics Reviews, 2018, 12, 1700221.	8.7	311
67	Two-Dimensional Lead Monoxide: Facile Liquid Phase Exfoliation, Excellent Photoresponse Performance, and Theoretical Investigation. ACS Photonics, 2018, 5, 5055-5067.	6.6	47
68	Few-layer bismuthene for ultrashort pulse generation in a dissipative system based on an evanescent field. Nanoscale, 2018, 10, 17617-17622.	5.6	189
69	Passive Q-switched operation of an a-cut Tm,Ho:YAP laser with a few-layer WS₂ saturable absorber. Laser Physics Letters, 2018, 15, 085806.	1.4	10
70	PbO-based ultrafast fiber lasers. , 2018, , .		1
71	Fewâ€Layer Phosphoreneâ€Decorated Microfiber for Allâ€Optical Thresholding and Optical Modulation. Advanced Optical Materials, 2017, 5, 1700026.	7.3	125
72	Optical Modulation: Fewâ€Layer Phosphoreneâ€Decorated Microfiber for Allâ€Optical Thresholding and Optical Modulation (Advanced Optical Materials 9/2017). Advanced Optical Materials, 2017, 5, .	7.3	1

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73	Few-layer selenium-doped black phosphorus: synthesis, nonlinear optical properties and ultrafast photonics applications. Journal of Materials Chemistry C, 2017, 5, 6129-6135.	5.5	109
74	Few-layer antimonene decorated microfiber: ultra-short pulse generation and all-optical thresholding with enhanced long term stability. 2D Materials, 2017, 4, 045010.	4.4	260
75	Period-Doubling and Quadrupling Bifurcation of Vector Soliton Bunches in a Graphene Mode Locked Fiber Laser. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	29
76	Few-layer antimonene decorated microfiber as an all optical thresholder and wavelength converter for optical signal processing. , 2017, , .		2
77	Vector soliton fiber laser passively mode locked by few layer black phosphorus-based optical saturable absorber. Optics Express, 2016, 24, 25933.	3.4	200
78	Controlled Generation of Bright or Dark Solitons in a Fiber Laser by Intracavity Nonlinear Absorber. IEEE Photonics Journal, 2016, 8, 1-12.	2.0	4
79	Coexistence and interaction of vector and bound vector solitons in a dispersion-managed fiber laser mode locked by graphene. Optics Express, 2016, 24, 1814.	3.4	85
80	Vector gain-guided dissipative solitons in a net normal dispersive fiber laser. IEEE Photonics Technology Letters, 2016, , 1-1.	2.5	2
81	Temporal vector cavity solitons in a net anomalous dispersion fiber laser. Laser Physics Letters, 2016, 13, 025103.	1.4	2
82	Observation of anti-dark solitons in fiber lasers. , 2016, , .		1
83	Black-white vector solitons in a fiber ring laser. , 2016, , .		0
84	Induced dark solitary pulse in an anomalous dispersion cavity fiber laser. Optics Express, 2015, 23, 28430.	3.4	12
85	Initial conditions for dark soliton generation in normal-dispersion fiber lasers. Applied Optics, 2015, 54, 71.	1.8	15
86	Soliton-dark pulse pair formation in birefringent cavity fiber lasers through cross phase coupling. Optics Express, 2015, 23, 26252.	3.4	16
87	Cavity solitons in fiber lasers. , 2015, , .		0
88	Dark soliton fiber lasers. Optics Express, 2014, 22, 19831.	3.4	51
89	280â€‰â€‰GHz dark soliton fiber laser. Optics Letters, 2014, 39, 3484.	3.3	36
90	Temporal cavity soliton formation in an anomalous dispersion cavity fiber laser. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 3050.	2.1	24

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91	GHz pulse train generation in fiber lasers by cavity induced modulation instability. Optical Fiber Technology, 2014, 20, 610-614.	2.7	25
92	Polarization Domain Formation and Domain Dynamics in a Quasi-Isotropic Cavity Fiber Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 42-50.	2.9	33
93	Evidence of dark solitons in all-normal-dispersion-fiber lasers. Physical Review A, 2013, 88, .	2.5	52
94	Dark soliton operation fiber lasers. , 2013, , .		0
95	Vector multi-soliton operation and interaction in a graphene mode-locked fiber laser. Optics Express, 2013, 21, 10010.	3.4	135
96	Quasi-periodicity of vector solitons in a graphene mode-locked fiber laser. Laser Physics Letters, 2013, 10, 125103.	1.4	22
97	Polarization rotation vector solitons in a graphene mode-locked fiber laser. Optics Express, 2012, 20, 27283.	3.4	118
98	On the interrelations between an optical differentiator and an optical Hilbert transformer. Optics Letters, 2011, 36, 915.	3.3	16
99	Design of Hilbert transformers with tunable THz bandwidths using a reconfigurable integrated optical FIR filter. Optics Communications, 2011, 284, 787-794.	2.1	3
100	Analysis of inverse-Gaussian apodized fiber Bragg grating. Applied Optics, 2010, 49, 4715.	2.1	6
101	Investigation and demonstration of allâ€optical hybrid fiberâ€FSOâ€fiber CDMA communication system. IET Communications, 0, , .	2.2	0