Wei Liu

List of Publications by Year
in descending order

37	683	567281 15	580821 25
papers	citations	h-index	g-index

38	38	38	169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	General analysis of SRS-limited high-power fiber lasers and design strategy. Optics Express, 2016, 24, 26715.	3.4	97
2	550 W single frequency fiber amplifiers emitting at 1030â€…nm based on a tapered Yb-doped fiber. Optics Express, 2020, 28, 20908.	3.4	59
3	Power scaling of narrowband high-power all-fiber superfluorescent fiber source to 187â€‰â€‰kW. Optics Letters, 2015, 40, 2973.	3.3	46
4	Investigation of stimulated Raman scattering effect in high-power fiber amplifiers seeded by narrow-band filtered superfluorescent source. Optics Express, 2016, 24, 8708.	3.4	45
5	All-fiberized and narrow-linewidth 5 kW power-level fiber amplifier based on a bidirectional pumping configuration. High Power Laser Science and Engineering, 2021, 9, .	4.6	35
6	Theoretical analysis of the SRS-induced mode distortion in large-mode area fiber amplifiers. Optics Express, 2018, 26, 15793.	3.4	30
7	High power all-fiberized and narrow-bandwidth MOPA system by tandem pumping strategy for thermally induced mode instability suppression. High Power Laser Science and Engineering, 2018, 6, .	4.6	28
8	Six kilowatt record all-fiberized and narrow-linewidth fiber amplifier with near-diffraction-limited beam quality. High Power Laser Science and Engineering, 2022, 10, .	4.6	27
9	Experimental study on the impact of signal bandwidth on the transverse mode instability threshold of fiber amplifiers. Optics Express, 2022, 30, 7845.	3.4	24
10	Kilowatt-level ytterbium-Raman fiber amplifier with a narrow-linewidth and near-diffraction-limited beam quality. Optics Letters, 2020, 45, 1974.	3.3	23
11	Effects of background spectral noise in the phase-modulated single-frequency seed laser on high-power narrow-linewidth fiber amplifiers. Photonics Research, 2021, 9, 424.	7.0	19
12	Modeling of the spectral properties of CW Yb-doped fiber amplifier and experimental validation. Laser Physics Letters, 2015, 12, 045104.	1.4	18
13	Intrinsic Mechanism for Spectral Evolution in Single-Frequency Raman Fiber Amplifier. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	18
14	In-band pumping avenue based high power superfluorescent fiber source with record power andÂnear-diffraction-limited beam quality. High Power Laser Science and Engineering, 2018, 6, .	4.6	17
15	Theoretical study of narrow-linewidth hybrid rare-earth-Raman fiber amplifiers. Optics Express, 2019, 27, 14523.	3.4	17
16	Spectral property optimization for a narrow-band-filtered superfluorescent fiber source. Laser Physics Letters, 2018, 15, 025103.	1.4	16
17	Modeling of the spectral evolution in a narrow-linewidth fiber amplifier. Laser Physics Letters, 2016, 13, 035105.	1.4	15
18	Bidirectional tandem-pumped high-brightness 6â€…kW level narrow-linewidth confined-doped fiber amplifier exploiting the side-coupled technique. Optics Express, 2022, 30, 21338.	3.4	15

#	Article	IF	Citations
19	2â€‰â€‰kW narrow-linewidth Yb-Raman fiber amplifier. Optics Letters, 2021, 46, 2404.	3.3	14
20	Effects of four-wave-mixing in high-power Raman fiber amplifiers. Optics Express, 2020, 28, 593.	3.4	14
21	Unified model for spectral and temporal properties of quasi-CW fiber lasers. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3663.	2.1	12
22	Seeding High Brightness Fiber Amplifiers With Multi-Phase Coded Signal Modulation for SBS Effect Management. IEEE Access, 2020, 8, 127682-127689.	4.2	11
23	Temporally stable fiber amplifier pumped random distributed feedback Raman fiber laser with record output power. Optics Letters, 2021, 46, 5031.	3.3	10
24	Kilowatt-level, narrow linewidth, polarization-maintained all-fiber amplifiers based on multi-phase coded signal modulation and laser gain competition. Results in Physics, 2021, 31, 105050.	4.1	10
25	Higher-Order Airy Patterns and Their Application in Tailoring Orbital Angular Momentum Beams with Fiber Laser Arrays. Journal of Lightwave Technology, 2021, 39, 4758-4768.	4.6	8
26	Comprehensive Investigation on the Role of Temporal Property of Pump Laser in a Single-Frequency Raman Fiber Amplifier. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	7
27	Evolution of Relative Intensity Noise in High-Power Narrow-Linewidth Fiber Laser Systems. Journal of Lightwave Technology, 2021, 39, 6413-6419.	4.6	7
28	Suppressing stimulated Raman scattering by adopting a composite cavity in a narrow linewidth fiber oscillator. Applied Optics, 2021, 60, 5984.	1.8	7
29	First Demonstration of Co-Pumped Single- Frequency Raman Fiber Amplifier With Spectral-Broadening-Free Property Enabled by Ultra-Low Noise Pumping. IEEE Access, 2018, 6, 71988-71993.	4.2	6
30	Comparisons of kilowatt Yb-Raman fiber amplifiers employing a superfluorescent fiber source and fiber oscillator. Optics Express, 2021, 29, 22966.	3.4	6
31	694 W sub-GHz polarization-maintained tapered fiber amplifier based on spectral and pump wavelength optimization. Optics Express, 2022, 30, 26875.	3.4	6
32	High power, narrow linewidth all-fiber amplifiers. , 2022, , .		5
33	3 kW power-level all-fiberized superfluorescent fibersource with linear polarization and near-diffractionlimited beam quality. Applied Optics, 0, , .	1.8	5
34	Compact and low-cost superfluorescent fiber source assisted narrow linewidth Yb-Raman fiber amplifier. Applied Optics, 2021, 60, 1484.	1.8	4
35	Spectral Model of High-Power Ytterbium-Raman Fiber Amplifiers. Journal of Lightwave Technology, 2022, 40, 1130-1136.	4.6	2
36	First demonstration of kilowatt-level ytterbium-Raman fiber amplifiers with narrow-linewidth and near-diffraction-limited beam quality. , 2019, , .		0

#	Article	IF	Citations
37	Effects of seed filtering in a narrow line-width Yb-Raman fiber amplifier. , 2020, , .		0