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	Spectral Model of High-Power Ytterbium-Raman Fiber Amplifiers. Journal of Lightwave Technology, 2022, 40, 1130-1136.	4.6	2
2	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
3	High power, narrow linewidth all-fiber amplifiers. , 2022, , .		5
4	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
5	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
6	694 W sub-GHz polarization-maintained tapered fiber amplifier based on spectral and pump wavelength optimization. Optics Express, 2022, 30, 26875.	3.4	6
7	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
8	Evolution of Relative Intensity Noise in High-Power Narrow-Linewidth Fiber Laser Systems. Journal of Lightwave Technology, 2021, 39, 6413-6419.	4.6	7
9	Compact and low-cost superfluorescent fiber source assisted narrow linewidth Yb-Raman fiber amplifier. Applied Optics, 2021, 60, 1484.	1.8	4
10	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
11	2â€‰â€‰kW narrow-linewidth Yb-Raman fiber amplifier. Optics Letters, 2021, 46, 2404.	3.3	14
12	Comparisons of kilowatt Yb-Raman fiber amplifiers employing a superfluorescent fiber source and fiber oscillator. Optics Express, 2021, 29, 22966.	3.4	6
13	Suppressing stimulated Raman scattering by adopting a composite cavity in a narrow linewidth fiber oscillator. Applied Optics, 2021, 60, 5984.	1.8	7
14	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
15	Temporally stable fiber amplifier pumped random distributed feedback Raman fiber laser with record output power. Optics Letters, 2021, 46, 5031.	3.3	10
16	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
17	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
18	Seeding High Brightness Fiber Amplifiers With Multi-Phase Coded Signal Modulation for SBS Effect Management. IEEE Access, 2020, 8, 127682-127689.	4.2	11

#	Article	IF	Citations
19	Effects of four-wave-mixing in high-power Raman fiber amplifiers. Optics Express, 2020, 28, 593.	3.4	14
20	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
21	Kilowatt-level ytterbium-Raman fiber amplifier with a narrow-linewidth and near-diffraction-limited beam quality. Optics Letters, 2020, 45, 1974.	3.3	23
22	Effects of seed filtering in a narrow line-width Yb-Raman fiber amplifier. , 2020, , .		0
23	Theoretical study of narrow-linewidth hybrid rare-earth-Raman fiber amplifiers. Optics Express, 2019, 27, 14523.	3.4	17
24	First demonstration of kilowatt-level ytterbium-Raman fiber amplifiers with narrow-linewidth and near-diffraction-limited beam quality. , 2019, , .		0
25	Spectral property optimization for a narrow-band-filtered superfluorescent fiber source. Laser Physics Letters, 2018, 15, 025103.	1.4	16
26	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
27	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
28	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
29	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
30	Theoretical analysis of the SRS-induced mode distortion in large-mode area fiber amplifiers. Optics Express, 2018, 26, 15793.	3.4	30
31	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
32	General analysis of SRS-limited high-power fiber lasers and design strategy. Optics Express, 2016, 24, 26715.	3.4	97
33	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
34	Modeling of the spectral evolution in a narrow-linewidth fiber amplifier. Laser Physics Letters, 2016, 13, 035105.	1.4	15
35	Modeling of the spectral properties of CW Yb-doped fiber amplifier and experimental validation. Laser Physics Letters, 2015, 12, 045104.	1.4	18
36	Power scaling of narrowband high-power all-fiber superfluorescent fiber source to 187â€‰â€‰kW. Optics Letters, 2015, 40, 2973.	3.3	46

#	Article	IF	Citations
37	3 kW power-level all-fiberized superfluorescent fibersource with linear polarization and near-diffractionlimited beam quality. Applied Optics, 0, , .	1.8	5