

Wei Shi

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 220â€‰mJ monolithic single-frequency Q-switched fiber laser at 2â€‰mby using highly Tm-doped germanate fibers. Optics Letters, 2011, 36, 3575. | 3.3 | 64 |
| 2 | Optically pumped terahertz sources. Science China Technological Sciences, 2017, 60, 1801-1818. | 4.0 | 44 |
| 3 | 5 kW Near-Diffraction-Limited and 8 kW High-Brightness Monolithic Continuous Wave Fiber Lasers Directly Pumped by Laser Diodes. IEEE Photonics Journal, 2017, 9, 1-7. | 2.0 | 43 |
| 4 | A fast response, self-powered and room temperature near infrared-terahertz photodetector based on a MAPbI ₃ /PEDOT:PSS composite. Journal of Materials Chemistry C, 2020, 8, 12148-12154. | 5.5 | 41 |
| 5 | Single-frequency distributed Bragg reflector Nd doped silica fiber laser at 930â€‰nm. Optics Letters, 2016, 41, 1829. | 3.3 | 39 |
| 6 | Single-frequency fiber laser at 1950â€‰nm based on thulium-doped silica fiber. Optics Letters, 2015, 40, 5283. | 3.3 | 35 |
| 7 | Green laser induced terahertz tuning range expanding in KTiOPO ₄ terahertz parametric oscillator. Applied Physics Letters, 2016, 108, . | 3.3 | 32 |
| 8 | High-Resolution Temperature Sensor Based on Single-Frequency Ring Fiber Laser via Optical Heterodyne Spectroscopy Technology. Sensors, 2018, 18, 3245. | 3.8 | 22 |
| 9 | Power scaling and spectral linewidth suppression of hybrid Brillouin/thulium fiber laser. Optics Express, 2020, 28, 2948. | 3.4 | 21 |
| 10 | High-Repetition-Rate Terahertz Generation in QPM GaAs With a Compact Efficient 2- μm KTP OPO. IEEE Photonics Technology Letters, 2016, 28, 1501-1504. | 2.5 | 17 |
| 11 | Compact High-Repetition-Rate Monochromatic Terahertz Source Based on Difference Frequency Generation from a Dual-Wavelength Nd:YAG Laser and DAST Crystal. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 87-95. | 2.2 | 16 |
| 12 | 978 nm Single Frequency Actively Q-Switched All Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 874-876. | 2.5 | 13 |
| 13 | High-Power All-Fiber Single-Frequency Erbium-Ytterbium Co-Doped Fiber Master Oscillator Power Amplifier. IEEE Photonics Journal, 2015, 7, 1-6. | 2.0 | 12 |
| 14 | Compact Hundred-mW 2- μm Single-Frequency Thulium-Doped Silica Fiber Laser. IEEE Photonics Technology Letters, 2017, 29, 853-856. | 2.5 | 12 |
| 15 | General description and understanding of the nonlinear dynamics of mode-locked fiber lasers. Scientific Reports, 2017, 7, 1292. | 3.3 | 12 |
| 16 | 2.56â€‰W Single-Frequency All-Fiber Oscillator at 1720â€‰nm. Advanced Photonics Research, 2022, 3, . | 3.6 | 12 |
| 17 | 700-kW-Peak-Power Monolithic Nanosecond Pulsed Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 1676-1678. | 2.5 | 10 |
| 18 | Compact and Flexible Dual-Wavelength Laser Generation in Coaxial Diode-End-Pumped Configuration. IEEE Photonics Journal, 2017, 9, 1-10. | 2.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Theoretical Study of Organic Crystal-Based Terahertz-Wave Difference Frequency Generation and Up-Conversion Detection. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 1005-1014. | 2.2 | 9 |
| 20 | A Simulation of Non-Simultaneous Ice Crushing Force for Wind Turbine Towers with Large Slopes. <i>Energies</i> , 2019, 12, 2608. | 3.1 | 8 |
| 21 | Intracavity Tandemly-Pumped and Gain-Switched Tm-doped Fiber Laser at 1.7 μ m. <i>Journal of Lightwave Technology</i> , 2022, 40, 4373-4378. | 4.6 | 7 |
| 22 | Widely Tunable High-Repetition-Rate Terahertz Generation Based on an Efficient Doubly Resonant Type-II PPLN OPO. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7. | 2.0 | 6 |
| 23 | Slowing and trapping THz waves system based on plasmonic graded period grating. <i>Journal of Optics (India)</i> , 2016, 45, 50-57. | 1.7 | 6 |
| 24 | Optical coefficients extraction from terahertz time-domain transmission spectra based on multibeam interference principle. <i>Optical Engineering</i> , 2017, 56, 044101. | 1.0 | 6 |
| 25 | Theoretical and Experimental Investigation of Intracavity Displacement-Sensor Based on All-Single-Mode Fiber. <i>Journal of Lightwave Technology</i> , 2022, 40, 2585-2593. | 4.6 | 6 |
| 26 | High-Power High-Brightness Terahertz Source Based on Nonlinear Optical Crystal Fiber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 360-364. | 2.9 | 5 |
| 27 | Enhanced Terahertz Wave Generation via Stokes Wave Recycling in Non-Synchronously Picosecond Pulse Pumped Terahertz Source. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8. | 2.0 | 5 |
| 28 | Theoretical Modeling of Multi-Channel Intracavity Spectroscopy Technology Based on Mode Competition in Er-Doped Fiber Ring Laser Cavity. <i>Sensors</i> , 2020, 20, 2539. | 3.8 | 5 |
| 29 | Hundred-watts-level monolithic narrow linewidth linearly-polarized fiber laser at 1018 nm. <i>Optical Engineering</i> , 2019, 58, 1. | 1.0 | 5 |
| 30 | Polarization-Maintaining Performance of Solid-Core Anti-Resonant Fiber With Nested Circular Tubes in 3 μ m Wavelength. <i>Journal of Lightwave Technology</i> , 2022, 40, 1137-1143. | 4.6 | 5 |
| 31 | ASE Suppression in Backward-Pumped Er/Yb Double-Cladding Fiber Amplifier via Cladding Feedback. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7. | 2.0 | 4 |
| 32 | Real propagation speed of the ultraslow plasmonic THz waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2014, 114, 503-507. | 2.2 | 3 |
| 33 | Efficient Terahertz Generation Via GaAs Hybrid Ridge Waveguides. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1666-1669. | 2.5 | 3 |
| 34 | High power monolithic pulsed fiber lasers in nanosecond regime for nonlinear frequency applications. , 2012, , . | | 0 |
| 35 | The research of THz enhancement transmittance based on metamaterials. , 2013, , . | | 0 |
| 36 | Cherenkov phase-matched monochromatic THz difference frequency generation in LiNbO ₃ crystal. , 2013, , . | | 0 |

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|----|--|----|-----------|
| 37 | Broadband enhanced hyperspectral coherent anti-stokes Raman scattering by gold shell particles and gold surface. , 2015, , . | | 0 |
| 38 | Terahertz fiber laser based on a novel crystal fiber converter. , 2015, , . | | 0 |
| 39 | Efficient and widely-tunable THz-wave difference frequency generation with organic crystals DSTMS and OH1. , 2016, , . | | 0 |