

1. Record Nr.	UNINA9911078779203321
Titolo	Alfred F. Bosche. February 26, 1951. -- Committed to the Committee of the Whole House and ordered to be printed
Pubbl/distr/stampa	Washington, DC : , : [publisher not identified], , 1951
Descrizione fisica	1 online resource (2 pages)
Collana	House report / 82nd Congress, 1st session. House ; ; no. 154 [United States congressional serial set] ; ; [serial set no. 11495]
Altri autori (Persone)	WalterFrancis E <1894-1963> (Francis Eugene), (Democrat (PA))
Soggetti	Citizenship, Loss of Citizenship Claims Legislative materials.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Batch processed record: Metadata reviewed, not verified. Some fields updated by batch processes.

2. Record Nr.	UNINA9911113893903321
Autore	Ferreira Mário F. S
Titolo	Optical Fiber Lasers : Recent Advances and Applications / / edited by Mário F. S. Ferreira, Mukul Chandra Paul
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-04110-4 9783032041104
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (669 pages)
Collana	Springer Series in Optical Sciences, , 1556-1534 ; ; 250
Disciplina	621.366
Soggetti	Lasers Fiber optics Optical materials Optoelectronic devices Mathematical physics Differential equations Laser Fibre Optics Optical Materials Optoelectronic Devices Mathematical Physics Differential Equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introduction: Optical Fiber Lasers -- Chapter 2: Q-Switched Erbium-Doped Fiber Lasers -- Chapter 3: Dissipative Solitons in Passively Mode-Locked Lasers -- Chapter 4: Ultra-Short High Amplitude Dissipative Solitons in Fiber Lasers -- Chapter 5: Multiplexed Dissipative Soliton Fiber Lasers -- Chapter 6: All-polarization maintaining thulium-doped passively mode-locked fiber lasers -- Chapter 7: Ultrafast Raman Fiber Lasers -- Chapter 8: Gas-Filled Hollow Core Fiber Lasers -- Chapter 9: Distributed feedback fiber laser based on regular and random RI structures. -- Chapter 10: Random Fiber Lasers (RFLs): conception, demonstration and exploration

-- Chapter 11: Self-Sweeping Fiber Laser -- Chapter 12: Wavelength-tunable mode-locked polarization-maintaining fiber laser -- Chapter 13: Nonlinear frequency conversion of fiber laser -- Chapter 14: Development of pulse fiber laser based on 2D materials -- Chapter 15: Large Mode Area Fibers for High Power Lasers -- Chapter 16: High power narrow linewidth linearly polarized fiber laser -- Chapter 17: Multielements doped silica glass-based specialty optical fibers for high power optical laser and optical amplifiers -- Chapter 18: The journey, current status, and challenges of high-power fiber laser spectral beam combining technology -- Chapter 19: High-power fiber laser in the AI era -- Chapter 20: Advancement in plasmonic fiber random lasers.

Sommario/riassunto

This book provides a comprehensive overview of the latest achievements in the field of optical fiber lasers, covering the basics, technology, and numerous applications. Optical fiber lasers are key in a variety of scientific, military, medical, industrial, and commercial spheres, and therefore have undergone rapid innovation. Each chapter highlights a novel development in refining fiber laser features such as the output lasing wavelength, output power, nature of the laser beam, nature of the output laser pulse, design of lasing cavity, and design of fiber structure. These improvements are then applied to a wide variety of lasers, including Raman fiber lasers, gas-filled fiber lasers, rare-earth doped fiber lasers, and more. This book also sheds light on the rise in AI-enabled fiber laser systems in industrial manufacturing. The in-depth coverage of the latest developments in various kinds of optical fiber laser technology ensure this volume will serve as a valuable resource for graduate students, engineers, and scientists both experienced and new to the field.
