

1. Record Nr.	UNINA9910830648603321
Autore	Vodopyanov Konstantin L. <1953->
Titolo	Laser-based mid-infrared sources and applications / / Konstantin L. Vodopyanov
Pubbl/distr/stampa	Hoboken, N.J. : , : John Wiley & Sons, Inc., , 2020
ISBN	1-119-07455-X
Descrizione fisica	1 online resource (xiv, 294 pages)
Collana	Forensic Science in Focus
Disciplina	621.362
Soggetti	Lasers Infrared equipment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	About the Author xi Preface xiii 1 MidIR Spectral Range 1 1.1 Definition of the MidIR 1 1.2 The World's Second Laser 3 1.3 Internal Vibrations of Molecules 4 References 5 2 Solid-state Crystalline MidIR Lasers 7 2.1 Rare-Earth-based Tm ³⁺ , Ho ³⁺ , and Er ³⁺ Lasers 7 2.1.1 Tm ³⁺ Lasers 7 2.1.2 Ho ³⁺ Lasers 10 2.1.3 Er ³⁺ Lasers 13 2.2 Transition Metal Cr ²⁺ and Fe ²⁺ Lasers 18 2.2.1 Spectroscopic Properties of Cr ²⁺ and Fe ²⁺ 18 2.2.2 Lasers Based on Chalcogenide Crystals Doped with Cr ²⁺ 21 2.2.2.1 Broadly Tunable Cr ²⁺ Lasers 21 2.2.2.2 High-power Continuous-wave Cr ²⁺ Lasers 23 2.2.2.3 High-power Cr ²⁺ CW Laser Systems Operating at 2.94 μ m 23 2.2.2.4 Gain-switched High-power Cr ²⁺ Lasers 24 2.2.2.5 Microchip Cr ²⁺ Lasers 25 2.2.2.6 Waveguide and Thin-disk Cr:ZnSe Lasers 26 2.2.2.7 Mode-locked Cr:ZnS/Cr:ZnSe Lasers 27 2.2.3 Lasers Based on Chalcogenide Crystals Doped with Fe ²⁺ 30 2.2.3.1 Free-running Pulsed Fe:ZnSe/ZnS Lasers 30 2.2.3.2 Gain-switched Regime of Fe ²⁺ Lasers at Room Temperature 32 2.2.3.3 Continuous-wave Fe ²⁺ Lasers 33 2.2.3.4 Tunable Fe ²⁺ Lasers at Room Temperature 35 2.2.3.5 Ultrafast Amplifier in the 3.8-4.8 μ m Range 35 2.3 Summary 35 References 36 3 Fiber MidIR Lasers 43 3.1 Introduction 43 3.2 Continuous-wave MidIR Fiber Lasers 44 3.2.1 Tm-based Fiber Lasers 44 3.2.2 Ho-based Fiber Lasers 47 3.2.3 Er-based Fiber Lasers 49 3.2.4 Dy-based Fiber Lasers 52 3.2.5 Raman Fiber Lasers 52 3.3 Q-switched MidIR Fiber Lasers 54 3.4 Mode-locked Mid IR Fiber Lasers 56 3.5 Summary 60 References 61 4 Semiconductor

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Sommario/riassunto

"The book describes the most advanced techniques for generating coherent light in the mid-infrared region of the spectrum. These techniques represent diverse areas of photonics and include heterojunction semiconductor lasers, quantum cascade lasers, tunable crystalline lasers, fiber lasers, Raman lasers, and optical parametric laser sources. The book provides a wealth of information on the essential principles and methods of the generation of coherent mid-infrared light and on some of its applications. The tutorial nature of the book makes it an excellent text for physicists and practicing engineers who want to use mid-infrared laser sources in spectroscopy, medicine, remote sensing and other fields, and for researchers in various disciplines requiring a broad introduction to the subject"--
