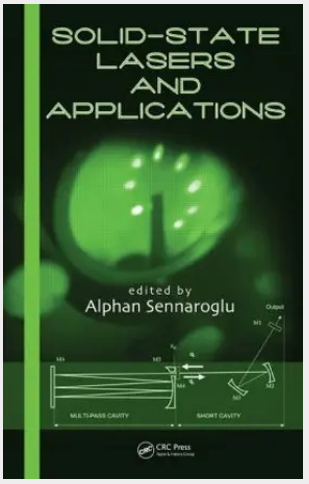
Sennaroglu

Solid-State Lasers and Applications

Because of the favorable characteristics of solid-state lasers, they have become the preferred candidates for a wide range of applications in science and technology, including spectroscopy, atmospheric monitoring, micromachining, and precision metrology. Presenting the most recent developments in the field, Solid-State Lasers and Applications focuses on the design and applications of solid-state laser systems. With contributions from leading international experts, the book explores the latest research results and applications of solid-state lasers as well as various laser systems. The beginning chapters discuss current developments and applications of new solid-state gain media in different wavelength regions, including cerium-doped lasers in the ultraviolet range, ytterbium lasers near 1µm, rare-earth ion-doped lasers in the eye-safe region, and tunable Cr2+:ZnSe lasers in the mid-infrared range. The remaining chapters study specific modes of operation of solid-state laser systems, such as pulsed microchip lasers, high-power neodymium lasers, ultrafast solid-state lasers, amplification of femtosecond pulses with optical parametric amplifiers, and noise characteristics of solid-state lasers. Solid-State Lasers and Applications covers the most important aspects of the field to provide current, comprehensive coverage of solid-state lasers.



195,50 €
182,71 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9780849335891
Medium: Buch
ISBN: 978-0-8493-3589-1
Verlag: Taylor & Francis Inc
Erscheinungstermin: 16.11.2006
Sprache(n): Englisch
Auflage: 1. Auflage 2006
Serie: Optical Science and Engineering
Produktform: Gebunden
Gewicht: 885 g
Seiten: 548
Format (B x H): 156 x 235 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)