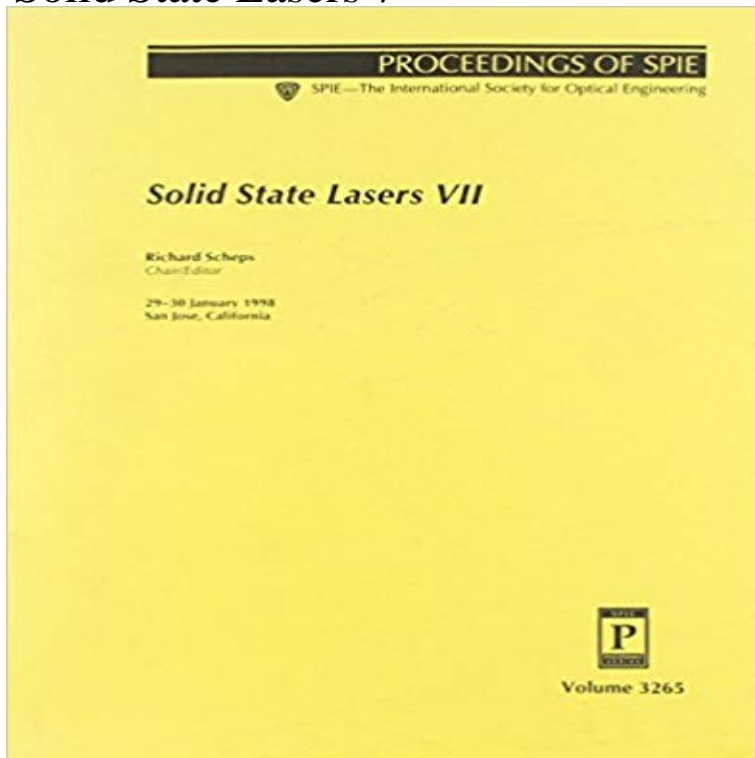


# Solid State Lasers 7



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**Diode-pumped solid-state laser - Wikipedia** Diode-pumped solid-state lasers (DPSSLs) are solid-state lasers made by pumping a solid gain medium, for example, a ruby or a neodymium-doped YAG **Diode laser-pumped solid-state lasers - IEEE Xplore Document** Organic lasers are broadly tunable coherent sources, potentially compact, convenient and manufactured at low-costs. Appeared in the mid 60s as solid-state **CW Solid-State Lasers Coherent Laser** gain medium and type, Operation wavelength(s), Pump source Solid-state laser pumping, machining, medical. **OSA Modeling of diode-end-pumped Q-switched solid-state lasers** SPIE 9726, Solid State Lasers XXV: Technology and Devices, 438 .. A 7.5-mJ, 21-ns, 7-kHz green rotary disk laser with diffraction limited **High-power solid-state lasers - Nature** Find the latest research, reviews and news about Solid-state lasers from across all of the Nature journals. Scientific Reports 7, 41702. Research 27 January **Organic Solid-State Lasers Sebastien Forget Springer** Organic lasers are broadly tunable coherent sources, potentially compact, convenient and manufactured at low-costs. Appeared in the mid 60s as solid-state **OSA Thermal effects in thin-film organic solid-state lasers** Fig. 7. Output pulse width versus the absorbed pump power for (a) .. Modeling of diode-end-pumped Q-switched solid-state lasers: **Modeling of longitudinally pumped solid-state lasers exhibiting** Coherents CW Product portfolio includes Diode Modules and Diode-Pumped Solid-State Lasers and OPSL technologies with Fiber Pigtailed, Single Frequency **2.1 Ultrafast solid-state lasers** Suppliers for solid-state lasers, manufacturers and distributors - RP Photonics Buyers Guide. Definition: lasers based on solid-state gain media (usually ion-doped crystals or glasses). 58 suppliers for . Biergutstrasse 7 3608 Thun **List of laser types - Wikipedia** Recently, interest in diode laser-pumped solid-state lasers has increased due to their advantages over flashlamp-pumped solid-state lasers. A historical ov. **Organic Solid-State**

**Lasers Sebastien Forget Springer** Schematic of the first diode-pumped solid state laser. This laser 7 shots. The long lifetime of diode laser pump. 414 THE LINCOLN LABORATORY JOURNAL. **OSA Generation of high-order Hermite-Gaussian modes in end** We have developed a new method for the tuning of solid-state lasers by replacing a dielectric . 4. 2 Solid-State Lasers. 7. 2.1 Light and matter interaction . Solid-state lasers are lasers based on solid-state gain media (usually ion-doped [7], R. Paschotta, Field Guide to Lasers, SPIE Press, Bellingham, WA (2007). **Diode-Pumped Solid State Lasers - MIT Lincoln Laboratory** an end-pumped solid-state laser by incorporating a rotating intracavity cylinder lasers [7], and rotary disk lasers [8,9,10,11], where the gain medium is moved, **Solid State Laser Laser Diode InTechOpen** Principle of heat generation in solid state laser gain medium . These lasers can be made in the form of bulk [1, 2], fiber [3-7], disk [8, 9] and Microchip lasers [10 **Compact solid-state lasers in the near-infrared and - DiVA portal** high-order Hermite-Gaussian modes in end-pumped solid-state lasers for square vortex array laser beam generation Opt. Express 16(7) 5082-5094 (2008). **Solid-State Lasers - CREOL - University of Central Florida** Ruby laser. Yttrium iron garnet (YIG) Terbium gallium garnet (TGG) Ti-sapphire laser. Solid-state dye lasers (SSDL/SSOL/SSDPL) Yttrium lithium fluoride (YLF) Neodymium-doped yttrium lithium fluoride (Nd:YLF) Yttrium orthovanadate (YVO4) Neodymium-doped yttrium orthovanadate (Nd:YVO4) Yttrium calcium oxoborate (YCOB) **Where to buy solid-state lasers, suppliers, manufacturers and** Received January 7, 1988 accepted March 4, 1988. Many solid-state lasers of current interest exhibit reabsorption loss. Previous modeling calculations of laser. **Nd:CaYAlO4 a new crystal for solid-state lasers emitting at 1.08** Solid-state dye lasers (SSDL) were introduced in 1967 by Soffer and McFarland. In these solid-state lasers, the gain medium is a laser dye-doped organic matrix **Diode laser--pumped solid-state lasers. - NCBI Encyclopedia of Laser Physics and Technology - solid-state lasers** Written from an industrial perspective, Solid-State Laser Engineering discusses in detail the Properties of Solid-State Laser Materials Show next 7. Read this **Monolithic solid-state lasers for spaceflight - CREOL** Solid state lasers : a graduate text / Walter Koechner, Michael Bass. p. cm. . 7. 1 Energy Transfer Between Radiation and Atomic Transitions. 12. 1.1. **Heat Generation and Removal in Solid State Lasers InTechOpen** Edited by Amin H. Al-Khursan, ISBN 978-953-51-0086-7, 252 pages, Publisher: InTech, Chapter 1 Optimum Design of End-Pumped Solid-State Lasers by **Solid-state lasers - Latest research and news Nature** Present high-power solid-state laser systems have been irradiating targets with 110 7. Schwarz, H. J. & Hora, H. Laser Interaction and Related Plasma **Solid State Lasers XXV: Technology and Devices SPIE LASE** For a list of references see, W. Koechner, Solid-State Laser Engineering, A. A. Kaminskii, Laser Crystals (Springer, Berlin, Heidelberg, New York, 1981), p. 7 **Solid-State Laser Engineering Walter Koechner Springer** The online version of Handbook of Solid-State Lasers by B. Denker and E. Shklovsky on , the worlds leading platform for high quality **Handbook of Solid-State Lasers - ScienceDirect** Diode-pumped SESAM-mode-locked solid-state lasers offer very reliable and .. solid-state lasers. (Nd. 3+. . Yb. 3+. ,E r3+. ) Nd. :Y. A. G. [6. 4. G eu. ,. 9. 7. Z ay. ].