



materials



Special Issue Reprint

Acousto-Optical Spectral Technologies

www.mdpi.com/books/reprint/8425

Edited by
Alexander S. Machikhin
Vitold Pozhar



ISBN 978-3-0365-9519-1 (Hardback)
ISBN 978-3-0365-9518-4 (PDF)

Acousto-optic technologies have increasingly attracted the attention of scientists and engineers. Acousto-optic interactions have become the flexible basis of compact and robust devices for the analysis of the intensity, spectrum, polarization, and other properties of light. In this book, modern trends of acousto-optical spectral technologies, including the fundamentals and optimization of existing techniques, are highlighted and discussed. This reprint provides a forum for reports on technical developments that allow the spectral analysis of various objects to take place. The goal of this reprint is to provide readers with an overview of the hot topics and the state of the art regarding the applications of acousto-optic techniques, including new materials and structures, theoretical and experimental studies of light diffraction by ultrasonic waves, spectroscopy, and spectral imaging.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/8425

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.