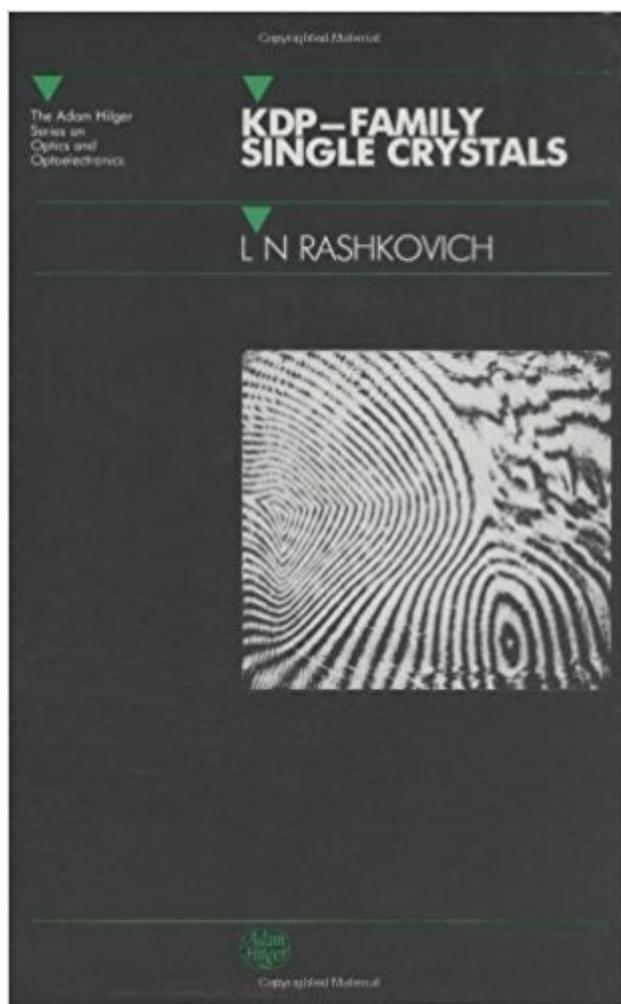


The book was found

KDP - Family Single Crystals (Series In Optics And Optoelectronics)



Synopsis

The KDP family of single crystals is composed of compounds of alkali metals with light or heavy (hydro, deutero) water and oxides of phosphate or arsenate, including ammonium, potassium, rubidium and caesium dihydro- and dideutero-phosphates, and similar arsenates. While not occurring in nature, their production exceeds that of any other water-soluble crystals and the demand for bigger and more optically pure crystals is ever increasing. KDP-Family Single Crystals is a comprehensive investigation of the crystallization mechanism for these systems. The first part of the book collects the majority of the available data on the physico-chemical analysis of these systems. This is complemented by a review of contemporary concepts related to the crystal growth dislocation mechanism under the influence of impurities, changing supersaturation, and temperature. This is not only relevant to the growth of KDP single crystals but to the majority of crystals grown from low- and high-temperature solutions. Finally, attention is given to the important problem of speeding up the production processes for the growth of these crystals while maintaining the quality of the crystals. The in-depth coverage that KDP-Family Single Crystals provides to the art of crystal growth techniques makes it an essential reference work for all those working in the field of crystal growth and to those using KDP-family crystals in quantum electronics devices.

Book Information

Series: Series in Optics and Optoelectronics

Hardcover: 202 pages

Publisher: CRC Press; 1 edition (January 1, 1991)

Language: English

ISBN-10: 0750301058

ISBN-13: 978-0750301053

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,044,211 in Books (See Top 100 in Books) #90 in Books > Science & Math > Chemistry > Crystallography #169 in Books > Science & Math > Physics > Light #400 in Books > Science & Math > Physics > Optics

Customer Reviews

..."the book can be regarded as a reference for growth of KDP-family crystals." Optik ..."an important reference source..." Laser Magazine book can be regarded as a reference for growth of KDP-family

crystals." Optik ..."an important reference source..." Laser Magazine

Text: English (translation) Original Language: Russian

[Download to continue reading...](#)

KDP - Family Single Crystals (Series in Optics and Optoelectronics) Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics Optical Applications of Liquid Crystals (Series in Optics and Optoelectronics) Molded Optics: Design and Manufacture (Series in Optics and Optoelectronics) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Handbook of Optics, Third Edition Volume IV: Optical Properties of Materials, Nonlinear Optics, Quantum Optics (set) Prism and Lens Making, Second Edition: A Textbook for Optical Glassworkers (Series in Optics and Optoelectronics) Polarized Light and the Mueller Matrix Approach (Series in Optics and Optoelectronics) Thin-Film Optical Filters, Fourth Edition (Series in Optics and Optoelectronics) Handbook of Silicon Photonics (Series in Optics and Optoelectronics) Thin-Film Optical Filters, Third Edition (Series in Optics and Optoelectronics) Crystals and Stones: A Complete Guide to Their Healing Properties (The Group of 5 Crystals Series) The Essential Guide to Crystals: All the Crystals You Will Ever Need for Health, Healing, and Happiness (Essential Guides Series) 101 Power Crystals: The Ultimate Guide to Magical Crystals, Gems, and Stones for Healing and Transformation Crystals: Crystal Healing For Beginners, Discover The Healing Power Of Crystals And Healing Stones To Heal The Human Energy Field, Relieve Stress and Experience Instant Relaxation !-THIRD EDITION- Crystal Healing: Charge Up Your Mind, Body And Soul - Beginner's Journey (Crystal Healing For Beginners, Chakras, Meditating With Crystals, Healing Stones, Crystal Magic, Power of Crystals Book 1) Crystal Healing: Charge Up Your Mind, Body And Soul - Beginner's Journey (Crystal Healing For Beginners, Chakras, Meditating With Crystals, Healing Stones, Crystal Magic, Power of Crystals) (Volume 1) X-Ray Diffraction: In Crystals, Imperfect Crystals, and Amorphous Bodies (Dover Books on Physics) Crystals for Energy Healing: A Practical Sourcebook of 100 Crystals Crystals for Beginners: A Guide to Collecting & Using Stones & Crystals (For Beginners (Llewellyn's))

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)