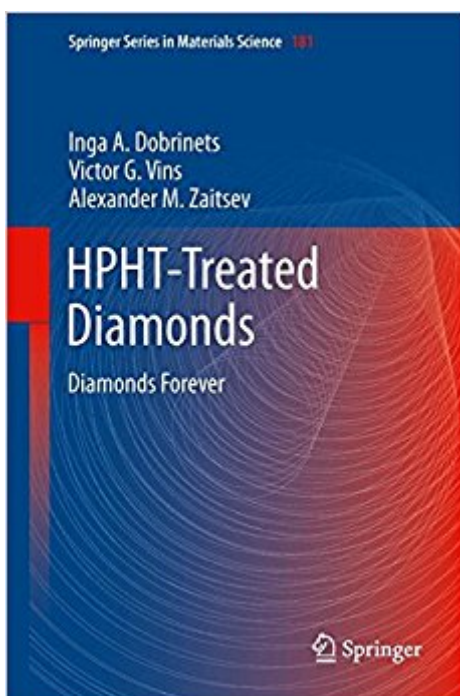


The book was found

HPHT-Treated Diamonds: Diamonds Forever (Springer Series In Materials Science)



Synopsis

High-temperature and high-pressure treatment of diamond is becoming an important technology to elaborate diamonds. This is the first book providing a comprehensive review of the properties of HPHT-treated diamonds, based on the analysis of published data and the work of the authors. The book gives a detailed analysis of the physics of transformation of internal structures of diamonds subjected to HPHT treatment and discusses how these transformations can be detected using methods of optical microscopy and spectroscopy. It also gives practical recommendations for the recognition of HPHT-treated diamonds. The book is written in a language and terms which can be understood by a broad audience of physicists, mineralogists and gemologists.

Book Information

Series: Springer Series in Materials Science (Book 181)

Hardcover: 257 pages

Publisher: Springer; 2013 edition (June 11, 2013)

Language: English

ISBN-10: 3642374891

ISBN-13: 978-3642374890

Product Dimensions: 6.4 x 0.8 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,260,491 in Books (See Top 100 in Books) #105 in Books > Science &

Math > Chemistry > Crystallography #110 in Books > Engineering & Transportation >

Engineering > Materials & Material Science > Testing #411 in Books > Science & Math > Physics

> Solid-State Physics

Customer Reviews

High-temperature and high-pressure treatment of diamond is becoming an important technology to elaborate diamonds. This is the first book providing a comprehensive review of the properties of HPHT-treated diamonds, based on the analysis of published data and the work of the authors. The book gives a detailed analysis of the physics of transformation of internal structures of diamonds subjected to HPHT treatment and discusses how these transformations can be detected using methods of optical microscopy and spectroscopy. It also gives practical recommendations for the recognition of HPHT-treated diamonds. The book is written in a language and terms which can be understood by a broad audience of physicists, mineralogists and gemologists.

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

HPHT-Treated Diamonds: Diamonds Forever (Springer Series in Materials Science) Deformation and Fracture Behaviour of Polymer Materials (Springer Series in Materials Science) Organic Electronic Materials: Conjugated Polymers and Low Molecular Weight Organic Solids (Springer Series in Materials Science) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Some Take Things To Heart, Others To Their Belly - Irritable Bowel Syndrome: What is it and how is it treated? Restoration of Root Canal-Treated Teeth: An Adhesive Dentistry Perspective Adhesive Restoration of Endodontically Treated Teeth: Endodontics 4 (Quintessentials of Dental Practice) Beating Cancer with Nutrition: Optimal Nutrition Can Improve Outcome in Medically-Treated Cancer Patients. Computational Materials Science: From Ab Initio to Monte Carlo Methods (Springer Series in Solid-State Sciences) Grain Boundaries: From Theory to Engineering: 172 (Springer Series in Materials Science) Dislocation Dynamics During Plastic Deformation (Springer Series in Materials Science) Lithium Metal Anodes and Rechargeable Lithium Metal Batteries (Springer Series in Materials Science) Electrodeposition: The Materials Science of Coatings and Substrates (Materials Science and Process Technology) Phillips' Science of Dental Materials, 12e (Anusavice Phillip's Science of Dental Materials) Phillips' Science of Dental Materials, 11e (Anusavice Phillip's Science of Dental Materials) Phillips' Science of Dental Materials - E-Book (Anusavice Phillip's Science of Dental Materials) When All Is Said and Prayed: Book One of the Forever Diva Series (Forever Divas) Forever After (The Forever Series Book 3) Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)