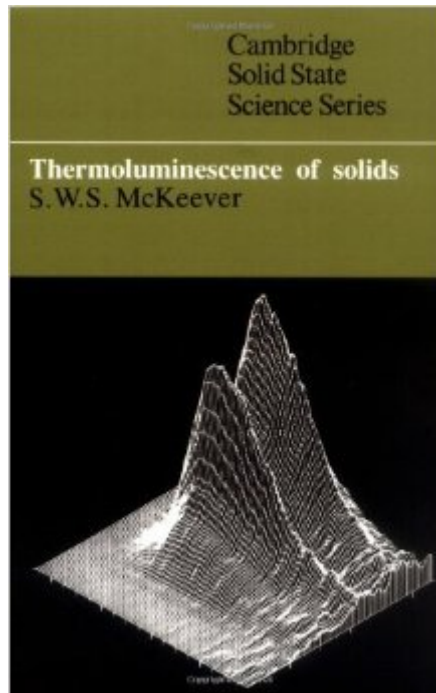


The book was found

Thermoluminescence Of Solids (Cambridge Solid State Science Series)



Synopsis

McKeever gives us a comprehensive survey of thermoluminescence, an important, versatile, and widely-used experimental technique. Bringing together previously isolated specialized approaches, he stresses the importance of the solid state aspects of the phenomenon and links these to applications in dating, dosimetry, and geology. The book contains chapters on analysis and special properties, on instrumentation, and on the variety of defect reaction--using the alkali halides and SiO₂ as examples--that can take place within a material to yield thermoluminescence. Three chapters concerning applications discuss the features of the solid state reactions to explain some of the properties observed in practice.

Book Information

Series: Cambridge Solid State Science Series

Paperback: 392 pages

Publisher: Cambridge University Press (October 28, 1988)

Language: English

ISBN-10: 0521368111

ISBN-13: 978-0521368117

Product Dimensions: 5.4 x 0.9 x 8.5 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #492,360 in Books (See Top 100 in Books) #5 in Â Books > Science & Math > Chemistry > Photochemistry #10 in Â Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry #156 in Â Books > Science & Math > Physics > Optics

Customer Reviews

As a Ph.D. student in the field of radiation protection and dosimetry I have read a lot of papers and books dealing with the theory of thermoluminescence. Based on this knowledge I consider McKeever's work "Thermoluminescence of Solids" as "the" reference book in the respective field. The book provides an excellent overview of luminescence phenomena in general - leading the reader from the theoretical background to applications. The theoretical part is dealt with in high detail but also understandable for graduate students with a basic knowledge of radiation physics and the physics of solids. The application part covers an overview of the most common TLD-materials and their usage. The different techniques of thermoluminescence dating are reviewed and can also be used as a summary for archeologists.

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

Thermoluminescence of Solids (Cambridge Solid State Science Series) Fracture of Brittle Solids (Cambridge Solid State Science Series) Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) The Science of Polymer Molecules (Cambridge Solid State Science Series) Introducing Solids & Making Your Own Organic Baby Food: A Step-by-Step Guide to Weaning Baby off Breast & Starting Solids. Delicious, Easy-to-Make, & Healthy Homemade Baby Food Recipes Included. Fatigue of Materials (Cambridge Solid State Science Series) Second Edition Fatigue of Materials (Cambridge Solid State Science Series) The Vibrational Spectroscopy of Polymers (Cambridge Solid State Science Series) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Fundamentals of Network Analysis and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series. Prentice-Hall networks series) Optical Processes in Semiconductors (Prentice-Hall electrical engineering series. Solid state physical electronics series) The Electronic Structure and Chemistry of Solids (Oxford Science Publications) Magnetic Bubble Technology (Springer Series in Solid-State Sciences) Logic Non-Volatile Memory : The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics) Logic Non-Volatile Memory:The NVM Solutions from eMemory (International Series on Advances in Solid State Electronics and Technology) Advanced Mos Devices (Modular Series on Solid State Devices, Vol 7) The PN Junction Diode: Volume II (2nd Edition) (Modular Series on Solid State Dev., Vol 2) Semiconductor Fundamentals Volume Modular (Modular series on solid state devices) Fiber Optics and Optoelectronics (Prentice Hall Series in Solid State Physical Electronics)

[Dmca](#)