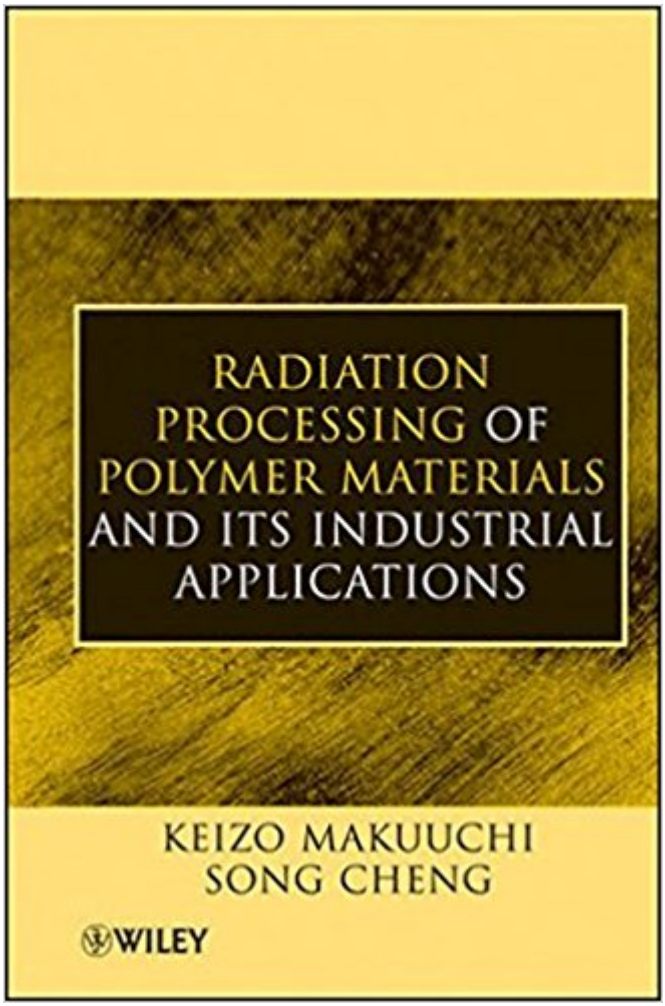
Radiation Processing Of Polymer Materials And Its Industrial Applications



Synopsis

Up-to-date, comprehensive coverage on radiation-processed polymer materials and their applications Offering a unique perspective of the industrial and commercial applications of the radiation processing of polymers, this insightful reference examines the fundamental scientific principles and cutting-edge developments advancing this diverse field. Through a variety of case studies, detailed examples, and economic feasibility analysis, Radiation Processing of Polymer Materials and Its Industrial Applications systematically explains the commercially viable ways to process and use radiation-processed polymeric materials in industrial products. In addition, this one-of-kind text: Covers important chemistry and processing fundamentals, while emphasizing their translation into practical applications of radiation-processed polymers Incorporates new applications in nanotechnology, biomaterials, and recycling Systematically discusses new developments in the field and summarizes past achievements By helping readersâ ”from students to scientists, engineers, technicians, and sales and marketing professionalsâ ”understand and solve problems associated with radiation processing of polymers, Radiation Processing of Polymer Materials and Its Industrial Applications serves as an essential reference and fills an important gap in the literature.

Book Information

Hardcover: 444 pages
Publisher: Wiley; 1 edition (February 7, 2012)
Language: English
ISBN-10: 0470587695
ISBN-13: 978-0470587690
Product Dimensions: 6.3 x 1.2 x 9.3 inches
Shipping Weight: 1.7 pounds (View shipping rates and policies)
Average Customer Review: Be the first to review this item
Best Sellers Rank: #901,174 in Books (See Top 100 in Books) #61 inÂ Books > Engineering & Transportation > Engineering > Chemical > Plastics #69 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing #225 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Polymers & Textiles

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Polymer Nanocomposites: Processing, Characterization, And Applications (McGraw-Hill Nanoscience and Technology) Industrial Fluid Power, Vol. 1: Basic Text on Hydraulics, Air & Vacuum for Industrial and Mobile Applications Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers Industrial Plasma Engineering: Applications to Nonthermal Plasma Processing, Vol. 2 Symbolism, Its Origins and Its Consequences (Art, Literature and Music in Symbolism, Its Origins and Its) Atoms, Radiation, and Radiation Protection Atoms, Radiation, and Radiation Protection, 2nd Edition Treatment Planning in the Radiation Therapy of Cancer (Frontiers of Radiation Therapy and Oncology, Vol. 21) (v. 21) Radiation Nation: Fallout of Modern Technology - Your Complete Guide to EMF Protection & Safety: The Proven Health Risks of Electromagnetic Radiation (EMF) & What to Do Protect Yourself & Family Deformation and Fracture Behaviour of Polymer Materials (Springer Series in Materials Science) Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology) Engineering Materials 2: An Introduction to Microstructures, Processing and Design (International Series on Materials Science and Technology) (v. 2) Processing Techniques and Tribological Behavior of Composite Materials (Advances in Chemical and Materials Engineering)