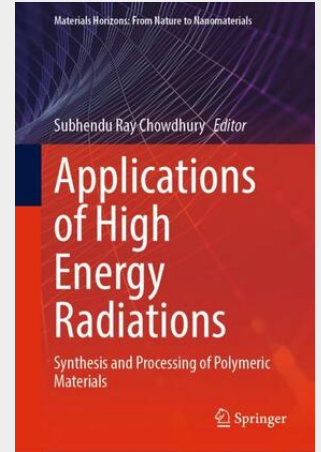


Chowdhury

Applications of High Energy Radiations

Synthesis and Processing of Polymeric Materials

This book presents the applications of high-energy beam radiation for synthesis and processing of polymeric materials. It addresses fundamental nature of high energy i.e., ionizing radiations and interaction with monomers and polymers leading to a wide variety of products such as tyres, textiles, shape memory polymers, polymers for aviation and space applications, polymeric biomaterials and natural rubber latex. It discusses general principles and techniques of preparation of polymeric materials including polymer blends, composites and nanocomposites. It also includes the topic of radiation-assisted recycling of polymers through breaking of covalent bonds. This book will be useful for students, researchers and professionals in the areas of polymers science and technology, radiation technology, electron beam technology, gamma radiation technology, advanced materials technology, biomaterials technology, nanotechnology, membrane science technology and environmental science.



171,19 €

159,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789811990472

Medium: Buch

ISBN: 978-981-19-9047-2

Verlag: Springer Nature Singapore

Erscheinungstermin: 16.05.2023

Sprache(n): Englisch

Auflage: 2023

Serie: Materials Horizons: From Nature to Nanomaterials

Produktform: Gebunden

Gewicht: 1014 g

Seiten: 494

Format (B x H): 160 x 241 mm

