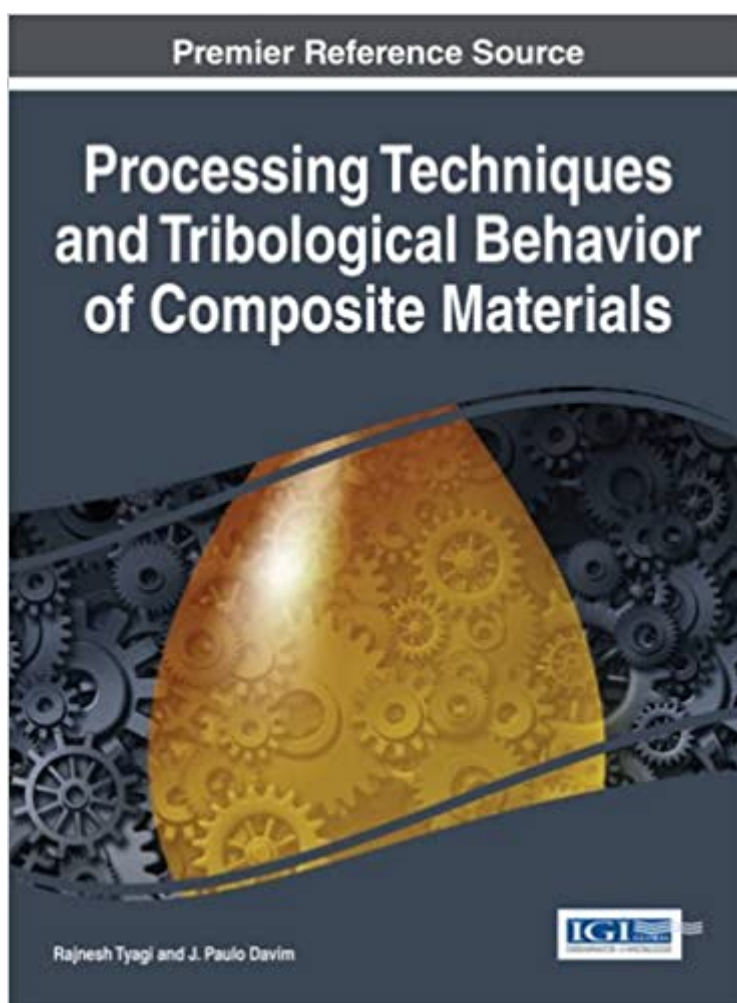


The book was found

Processing Techniques And Tribological Behavior Of Composite Materials (Advances In Chemical And Materials Engineering)



Synopsis

An understanding of friction and wear behavior of materials is crucial in order to improve their performance and durability. New research is providing the opportunity to solve common problems relating to the development of materials, surface modification, coatings, and processing methods across industries. *Processing Techniques and Tribological Behavior of Composite Materials* provides relevant theoretical frameworks and the latest empirical research findings on the strategic role of composite tribology in a variety of settings. This book is intended for students, researchers, academicians, and professionals working in industries where wear reduction and performance enhancement of machines and machine elements is essential to success.

Book Information

Series: Advances in Chemical and Materials Engineering

Hardcover: 464 pages

Publisher: IGI Global; 1 edition (January 31, 2015)

Language: English

ISBN-10: 1466675306

ISBN-13: 978-1466675308

Product Dimensions: 8.5 x 1.1 x 11 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,816,904 in Books (See Top 100 in Books) #95 in [Books > Engineering & Transportation > Engineering > Mechanical > Tribology](#) #713 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing](#) #2197 in [Books > Engineering & Transportation > Engineering > Mechanical > Machinery](#)

Customer Reviews

Rajnish Tyagi is currently an Associate Professor in the Department of Mechanical Engineering at the Indian Institute of Technology (Banaras Hindu University) IIT (BHU) India. He obtained his Bachelors Degree in Mechanical Engineering in 1992, and his Ph.D. in 2001 from Indian Institute of Technology Roorkee. Dr. Tyagi also worked as a Postdoctoral Researcher at Department of Materials Science and Engineering, Nanjing University of Science and Technology, Nanjing PR China from Dec 2008 to Sept 2010. His research interests include Materials Development and Tribology, Composite materials and High Temperature wear and Solid Lubrication, Surface Engineering etc. Recently, he is diversifying in Wear Protective coatings and texturing,

Nano-tribology etc. He is a life member of Tribology Society of India and reviewer to various international journals like Wear, Tribology International and Tribology Letters, to name a few. Paulo Davim received his PhD degree in Mechanical Engineering from the University of Porto in 1997 and the Aggregation from the University of Coimbra in 2005. Currently, he is an Aggregate Professor at the Department of Mechanical Engineering of the University of Aveiro. He has more 25 years of teaching and research experience in manufacturing, materials and mechanical engineering with special emphasis in machining and tribology. Recently, he has also interest in sustainable manufacturing and industrial engineering. He is the Editor-in-Chief of six international journals, guest editor of journals, books editor, book series editor and scientific advisory for many international journals and conferences. Presently, he is an editorial board member of 20 international journals and acts as reviewer for than 70 prestigious ISI Web of Science journals. In addition, he has also published in his field of research as author and co-author more than 40 book chapters and 350 articles in journals and conferences (more 180 articles in ISI Web of Science, h-index 25+).

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

Processing Techniques and Tribological Behavior of Composite Materials (Advances in Chemical and Materials Engineering) Damage Mechanics of Composite Materials, Volume 9 (Composite Materials Series) Perspectives in Total Hip Arthroplasty: Advances in Biomaterials and their Tribological Interactions (Woodhead Publishing Series in Biomaterials) Composite Construction for Homebuilt Aircraft: The Basic Handbook of Composite Aircraft Aerodynamics, Construction, Maintenance and Repair Plus, How-To and Design Information Microelectronic Processing: Chemical Engineering Aspects (ACS Advances in Chemistry) Mechanics Of Composite Materials (Materials Science & Engineering Series) Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Feature Detectors and Motion Detection in Video Processing (Advances in Multimedia and Interactive Technologies) (Advances in Multimedia and Interactive Technologies (Amit)) Basic Principles and Calculations in Chemical Engineering (8th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Fundamental Concepts and Computations in Chemical Engineering (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Fundamentals of Chemical Engineering Thermodynamics (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Elements of Chemical Reaction Engineering (5th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Essentials of Chemical Reaction Engineering (Prentice Hall International

Series in Physical and Chemical Engineering) Unit Operations of Chemical Engineering (7th edition)(McGraw Hill Chemical Engineering Series) Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Introduction to Chemical Engineering Thermodynamics (The McGraw-Hill Chemical Engineering Series) Numerical Methods with Chemical Engineering Applications (Cambridge Series in Chemical Engineering) Mechanics of Composite Materials, Second Edition (Mechanical and Aerospace Engineering Series) Engineering Mechanics of Composite Materials Advances in Chemical Physics, Volume 15: Stochastic Processes in Chemical Physics (v. 15)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)