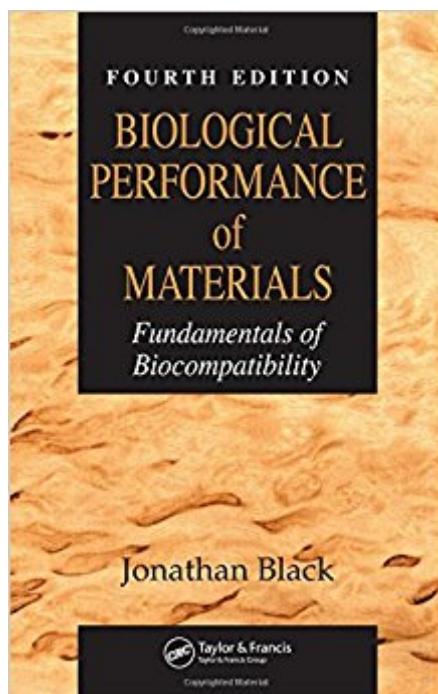


The book was found

# Biological Performance Of Materials: Fundamentals Of Biocompatibility, Fourth Edition



## **Synopsis**

Bioengineers need a thorough grounding in biocompatibility - the biological performance of materials. Until now, there were no publications suitable for a neophyte in the field; prior publications were either not comprehensive or focused on rather narrow interests. Drawing on the author's 35 years of experience as a teacher, researcher, and consultant in biomaterials science and engineering (BSE), *Biological Performance of Materials: Fundamentals of Biocompatibility*, Fourth Edition focuses primarily on principles of biological performance at a relatively fundamental level, analyzing interactions between living organisms and nonliving materials used in medical devices - the subject that sets BSE apart as a distinct field of investigation. Following an introductory section, the book is divided into three sections: the material response to biological systems, host response to biomaterials, and test methods for determining biological response *in vitro* as well as in animal models and clinical settings. Supplemental "Interparts" summarize the physical properties of commonly used metallic, polymeric, and ceramic biomaterials. They also provide a guide to understanding the clinical performance of implanted biomaterials.

## **Book Information**

Hardcover: 520 pages

Publisher: CRC Press; 4 edition (December 20, 2005)

Language: English

ISBN-10: 0849339596

ISBN-13: 978-0849339592

Product Dimensions: 1 x 6.2 x 9.2 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 2 customer reviews

Best Sellers Rank: #1,890,957 in Books (See Top 100 in Books) #71 in Books > Engineering & Transportation > Engineering > Chemical > Cosmetics #138 in Books > Engineering & Transportation > Engineering > Chemical > Plastics #178 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing

## **Customer Reviews**

".. this book is the result of the 30-year career of the author....highly recommended ..." -- Iasi Polytechnic Magazine, 2000 "...the result of the 30year career of the author as student, researcher, and teacher, in the field...highly recommended..." -- Iasi Polytechnic Magazine, 2000"comprehensive; "should grace the shelves of students, engineers, and

clinicians who are interested in the evolving art of biomaterials." -- The Journal of Bone & Joint Surgery" easily read; "...should grace the shelves of students, engineers, and clinicians who are interested in the evolving art of biomaterials. -- The Journal of Bone & Joint Surgery" extremely useful to those in the medical device area; helpful to students and others new to this field." -- Journal of Controlled Release -- This text refers to an out of print or unavailable edition of this title.

Should be on the shelf of everyone involved with medical device development and evaluation. It is an indispensable reference work.

OK

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

Biological Performance of Materials: Fundamentals of Biocompatibility, Fourth Edition  
Biocompatibility and Performance of Medical Devices (Woodhead Publishing Series in Biomaterials)  
Biocompatibility of Dental Materials Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology)  
Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Measuring and Monitoring Biological Diversity. Standard Methods for Amphibians (Biological Diversity Handbook) Plastic Injection Molding: Product Design & Material Selection Fundamentals (Vol II: Fundamentals of Injection Molding) (Fundamentals of injection molding series) Plastic Injection Molding: Mold Design and Construction Fundamentals (Fundamentals of Injection Molding) (2673) (Fundamentals of injection molding series) Fundamentals of General, Organic, and Biological Chemistry (6th Edition)  
Fundamentals Of Microbiology: Body Systems Edition (Jones & Bartlett Learning Title in Biological Science) Fundamentals of General, Organic, and Biological Chemistry (8th Edition) Fundamentals of General, Organic, and Biological Chemistry (7th Edition) Materials North American Edition w/Online Testing: Materials - North American Edition, Second Edition: engineering, science, processing and design Introduction to Soft Matter: Synthetic and Biological Self-Assembling Materials Titanium in Medicine: Material Science, Surface Science, Engineering, Biological Responses and Medical Applications (Engineering Materials) Jeep Cherokee Performance Upgrades: 1984-2001 - Revised Edition (Performance How-to) Laser-Tissue Interactions: Fundamentals and Applications (Biological and Medical Physics, Biomedical Engineering)  
Stress-Corrosion Cracking: Materials Performance and Evaluation, Second Edition David Vizard's

How to Build Max Performance Chevy Small Blocks on a Budget (Performance How-To) Queering  
Mestizaje: Transculturation and Performance (Triangulations: Lesbian/Gay/Queer  
Theater/Drama/Performance)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)