

1. Record Nr.	UNINA9910149446403321
Autore	Janssen William M.
Titolo	Mastering Multiple Choice for Federal Civil Procedure MBE Bar Prep and 1L Exam Pre
Pubbl/distr/stampa	West Academic Publishing
ISBN	1-63459-210-7
Descrizione fisica	1 online resource (189 p.)
Disciplina	349.73076
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This multiple-choice exam practice book is designed for (a) bar exam takers, who are preparing to take the MBE multiple-choice bar exam (Civil Procedure is a new testing topic added to the MBE multiple-choice bar exam as of February 2015), and (b) 1L law students, who are preparing to take their course examinations. The book offers practical, easy-to-follow advice on multiple-choice exam-taking strategies, clear suggestions on effective multiple-choice practicing techniques, and a lengthy set of Civil Procedure multiple-choice practice questions with answers and explanations (designed to simulate MBE-style questions). Tables help users decode the tested-topic for each practice question.

2. Record Nr.	UNINA9910959311503321
Titolo	Titanium alloys : preparation, properties, and applications // Pedro N. Sanchez, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61122-323-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (519 p.)
Collana	Materials science and technologies
Altri autori (Persone)	SanchezPedro N
Disciplina	620.1/89322
Soggetti	Titanium alloys Alloys
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""TITANIUM ALLOYS: PREPARATION, PROPERTIES AND APPLICATIONS "";</p> <p>""TITANIUM ALLOYS: PREPARATION, PROPERTIES AND APPLICATIONS "";</p> <p>""CONTENTS ""; ""PREFACE ""; ""FUNDAMENTALS OF BIOMEDICAL APPLICATIONS OF LASER INDUCED SURFACE MODIFICATION OF TITANIUM ALLOYS ""; ""Abstract""; ""1.1. Introduction to the Lasers"";</p> <p>""1.1.1. Nature of Light ""; ""1.1.2. Basic Laser Principles""; ""Einstein Relations""; ""How a Laser Works""; ""1.1.3. Properties of Laser Light ""; ""Monochromaticity""; ""Coherence""; ""Divergence""; ""High Intensity""; ""Brightness""; ""1.2. Laser a€? Matter Interaction ""</p> <p>""1.2.1. The Structure and Properties of Matter""""Molecules: The Basic Components of Matter""; ""Atoms: The Building Blocks of Molecules""; ""Atomic Structure and Quantum Theory""; ""The Nature of the Electron ""; ""Structure of Crystalline Solids""; ""Crystal Unit Cell Structures""; ""Cubic Structures ""; ""Hexagonal Structure""; ""Example""; ""Atomic Bonds ""; ""Example ""; ""Ionic Bond""; ""Covalent Bond ""; ""Metallic Bond""; ""Other Bonds""; ""Van Der Waals Forces ""; ""Retardation Effects in Van Der Waals Forces""; ""Repulsion Forces ""; ""Potential Energy""; ""Intermolecular Forces""</p> <p>""1.2.2. Interaction of Light with Matter""""Interaction Mechanisms""; ""Heat Transport ""; ""1.3. Biomedical Applications of Nd:YAG Laser Surface Modification of Titanium Implants ""; ""1.3.1. Introductory Biological Concepts ""; ""Various Types of Cells""; ""Cellular Processes""; ""Proteins""; ""Tissue Constituents ""; ""Types of Tissues""; ""1.3.2. Cell a</p>

€? Implant Interaction"; "Introduction"; "Protein Adsorption"; "Cell  
 a€? Adhesion"; "1.3.3. Osteoblasts Adhesion to Orthopaedic  
 Implants"; "Bone Composition"; "Orthopaedic Implants"; "Bone a€?  
 Cell Adhesion"  
 "1.3.4. Surface Heat Treatment Processes""Material Parameters";  
 "Laser Parameters"; "Applied Relations"; "Heat Transfer via  
 Conduction"; "1.3.5. Studies of Pulsed Nd:YAG Laser Surface  
 Modification of Ti-6Al-4V Alloy for Orthopaedic Applications";  
 "Materials and Methods"; "Sample Preparation"; "Experimental  
 Setup"; "Surface Roughness"; "Surface Hardness"; "Corrosion Tests  
 "; "Surface Tension"; "In Vitro Test"; "In Vivo Test";  
 "Anesthetization"; "Animal Implantation"; "Cell Analysis";  
 "Histopathology"; "SEM of Adhered Cells"  
 "Statistical Analysis""Results"; "Characterization of Surface  
 Topography"; "Optical and Mechanical Effects"; "Emery Effect";  
 "Surface Roughness"; "Surface Hardness"; "EDX Analysis";  
 "Corrosion Test"; "Surface Tension"; "In Vitro"; "In Vivo"; "Cell  
 Spreading Analysis"; "Histopathology"; "Discussion"; "Conclusion";  
 "References"; "NONDESTRUCTIVE EVALUATION OF  
 MATERIAL IMPERFECTIONS IN A TITANIUM ALLOY"; "Abstract"; "1.  
 Introduction"; "2. Thermoelectric Background Signature Produced  
 by Anisotropic Materials"; "2.1. Fretting Damage"  
 "2.2. Analytical Predictions"

Sommario/riassunto

Titanium alloys are metallic materials which contain a mixture of titanium and other chemical elements. This book reviews the recent work on the synthesis of multiphase composites in titanium base alloys to develop high strength and light weight materials with metastable phases.