

1. Record Nr.	UNINA9910457850803321
Titolo	Nanofabrication using focused ion and electron beams [[electronic resource]] : principles and applications / / edited by Ivo Utke, Stanislav Moshkalev, Phillip Russell
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2011
ISBN	1-280-59350-4 9786613623331 0-19-992099-0
Descrizione fisica	1 online resource (830 p.)
Collana	Nanomanufacturing series ; ; v. 1
Altri autori (Persone)	Utkelvo MoshkalevStanislav RussellPhillip <1955->
Disciplina	620.1/15
Soggetti	Nanostructured materials Nanotechnology Electron beams - Industrial applications Ion bombardment - Industrial applications Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; Contents; Foreword; Preface; Contributors; INTRODUCTION; I-1. The Historical Development of Electron Beam Induced Deposition and Etching: From Carbonaceous to Functional Materials; I-2. Historical Evolution of FIB Instrumentation and Technology: From Circuit Editing to Nanoprototyping; PART I: FUNDAMENTALS AND MODELS; 1.The Theory of Bright Field Electron and Field Ion Emission Sources; 2. How to Select Compounds for Focused Charged Particle Beam Assisted Etching and Deposition; 3. Gas Injection Systems for FEB and FIB Processing Theory and Experiment 4. Fundamentals of Interactions of Electrons with Molecules5. Simulation of Focused Ion Beam Milling; 6. FEB and FIB Continuum Models for One Adsorbate Species; 7. Continuum Modeling of Electron Beam Induced Processes; 8. Monte Carlo Method in FEBID Process Simulations; PART II: APPLICATIONS; 9. Focused Electron Beam Induced

Processing (FEBIP) for Industrial Applications; 10. Focused Ion Beam and DualBeamTM Technology Applied to Nanoprototyping; 11. Review of FIB Tomography; 12. In situ Monitoring of Gas-Assisted Focused Ion Beam and Focused Electron Beam Induced Processing
 13. Cluster Beam Deposition of Metal, Insulator, and Semiconductor Nanoparticles
 14. Electron- and Ion-Assisted Metal Deposition for the Fabrication of Nanodevices Based on Individual Nanowires; 15. Focused Ion Beam Fabrication of Carbon Nanotube and ZnO Nanodevices; 16. Focused Ion and Electron Beam Induced Deposition of Magnetic Nanostructures; 17. Metal Films and Nanowires Deposited by FIB and FEB for Nanofabrication and Nanocontacting; 18. FIB Etching for Photonic Device Applications; 19. FIB etching of InP for Rapid Prototyping of Photonic Crystals
 20. Applications of FIB for Rapid Prototyping of Photonic Devices, Fabrication of Nanosieves, Nanowires, and Nanoantennas
 21. Focused Particle Beam Induced Deposition of Silicon Dioxide; 22. Growth and Characterization of FEB-Deposited Suspended Nanostructures; 23. Electrical Transport Properties of Metallic Nanowires and Nanoconstrictions Created with FIB; 24. Structure-Property Relationship of Electronic Transport in FEBID Structures; 25. Characterization and Modification of Nanostructured Carbon Materials Using FIB and FEB
 26. Electron Beam Controlled Patterning of Molecular Layers: Functional Surfaces and Nanomembranes
 27. Nanofabrication Using Electron Beam Lithography Processes; PART III: PROSPECTIVES; F-1. Focused Beam Processing-New Beam Technologies-New Challenges in Process Development and Nanofabrication; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; X; Y; Z

Sommario/riassunto

Nanofabrication Using Focused Ion and Electron Beams presents fundamentals of the interaction of focused ion and electron beams (FIB/FEB) with surfaces, as well as numerous applications of these techniques for nanofabrication involving different materials and devices. The book begins by describing the historical evolution of FIB and FEB systems, applied first for micro- and more recently for nanofabrication and prototyping, practical solutions available in the market for different applications, and current trends in development of tools and their integration in a fast growing field of nanofabr

2. Record Nr.	UNISA996395600603316
Autore	Jones D (David), <fl. 1676-1720.>
Titolo	The life of James II [[electronic resource]] : late King of England. Containing an account of his birth, education, religion, and enterprizes, both at home and abroad, in peace and war, while in a private and publick capacity, till his dethronement. With the various struggles made since for his restoration; the state of his court at St. Germain's; and the particulars of his death. The whole intermix'd with divers original papers, debates, letters, declarations, &c. As the debates and speeches about the Bill of Exclusion; for and against a standing army in his time; about the abdication, &c. Illustrated with several cuts and medals. To which is added, a a [sic] supplement of several curious memoirs; containing the Earl of Peterborough's negotiations in several courts, for a second match for him, when D. of York; and at last effecting it by the interposition of the French King, with the Princess of Modena; the dowry articles of marriage, &c. writ by the said Earl. A particular account of the Irish alarm, in a letter to a friend: a letter to a member of the convention, by Dr. Sh---k, &c
Pubbl/distr/stampa	London : , : Printed for J. Knapton, in St. Paul's Church-yard; and J. Nicholson, J. Sprint, and T. Ballard, in Little-Britain., 1705
Edizione	[The third edition, corrected and amended.]
Descrizione fisica	[1]+ p.
Soggetti	Title pages18th century.England
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Attributed to David Jones. A reissue of the second edition (1703), with a cancel titlepage. Fragment: title page only. Reproduction of original in the British Library.
Sommario/riassunto	eebo-0018

3. Record Nr.	UNINA9910920443703321
Autore	Wong Nathan D
Titolo	ASPC Self-Assessment Program in Preventive Cardiology / / edited by Nathan D. Wong, Ezra A. Amsterdam, Peter P. Toth
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Humana, , 2024
ISBN	9783031562389 3031562380
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (269 pages)
Collana	Contemporary Cardiology, , 2196-8977
Altri autori (Persone)	AmsterdamEzra A TothPeter P
Disciplina	616.105
Soggetti	Cardiology Internal medicine Internal Medicine Cardiologia Medicina preventiva Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 National and Global Trends of Cardiovascular Disease Mortality, Morbidity, and Risk -- Chapter 2 Cardiovascular Risk Assessment: From Global Risk Scoring to Risk Enhancing Factors -- Chapter 3 Assessment and Management of Psychosocial Risk Factors Within Preventive Cardiology Practice -- Chapter 4 Dietary Strategies for Atherosclerotic Cardiovascular Risk Reduction -- Chapter 5 Physical Activity Strategies -- Chapter 6 Obesity Management and Prevention of Cardiovascular Disease -- Chapter 7 Smoking and Vaping -- Chapter 8 Alcohol and Cardiovascular Diseases -- Chapter 9 The 2018 AHA/ACC/Multisociety Cholesterol Guidelines: A Personalized Approach to Risk Reduction -- Chapter 10 Blood Pressure and Hypertension Management -- Chapter 11 Cardiometabolism Reducing Risks to Optimize -- Chapter 12 Cardiovascular Disease Outcomes -- Chapter 13 Antiplatelet Therapy -- Chapter 14 Inflammation and Atherosclerotic Cardiovascular Disease -- Chapter 15 The Role of Genetics in Preventive Cardiology: Utility of Clinically Available Genetic

Tests -- Chapter 16 Exercise Electrocardiographic Stress Testing -- Chapter 17 Ultrasound and MRI Assessment of Cardiovascular Risk -- Chapter 18 Role of CT Coronary Calcium Scanning and Angiography in Evaluation of Cardiovascular Risk -- Chapter 19 Cardiovascular Disease Prevention in Women -- Chapter 20 Racial/Ethnic Considerations in the Prevention of Cardiovascular Disease -- Chapter 21 Prevention of Heart Failure -- Chapter 22 Prevention of Peripheral Arterial Disease -- Chapter 23 Prevention of Atrial Fibrillation -- Chapter 24 Prevention of Ischemic Stroke -- Chapter 25 Prevention of Cardiovascular Disease in Patients with Chronic Kidney Disease -- Chapter 26 Primary Prevention of Cardiovascular Disease Guidelines -- Chapter 27 Secondary Prevention and Cardiac Rehabilitation -- Chapter 28 Integrative Approaches for Cardiovascular Disease Prevention -- Chapter 29 Lipoprotein -- Chapter 30 Safety of Ultra-Low Low-density Lipoprotein Cholesterol -- Chapter 31 COVID-19 Infection and Cardiovascular Complications -- Chapter 32 Insulin Resistance -- Chapter 33 Epicardial Steatosis -- Chapter 34 Endothelial Cell Dysfunction.

Sommario/riassunto

This book is a unique, comprehensive board review dedicated solely to preventive cardiology. This volume is a companion work to the ASPC Manual of Preventive Cardiology. The book is comprised of a series of questions, each which addresses a core issue in preventive cardiology. Each question is accompanied with a correct answer key as well as a discussion of why the chosen response is correct, and the others are incorrect. Answers are supported by illustrations and discussion of contemporary literature when applicable. The book also provides references for additional study. This book contains questions written by many of the original authors who contributed to the ASPC Manual of Preventive Cardiology. This book, along with the ASPC Manual of Preventive Cardiology, accompanies the ASPC Experts Course in Preventive Cardiology. The ASPC Self-Assessment Program in Preventive Cardiology is a valuable resource for cardiologists and other specialists, as well as primary care clinicians (including internists, family physicians, nurse practitioners, and physician assistants) who seek additional training and expertise in cardiovascular disease prevention.
