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Soggetti	Education, Higher Student mobility Foreign study Knowledge management Education and globalization
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	""HIGHER EDUCATION AND INTERNATIONAL STUDENT MOBILITY IN THE GLOBAL KNOWLEDGE ECONOMY""; ""CONTENTS""; ""ILLUSTRATIONS""; ""ACKNOWLEDGMENTS""; ""ABBREVIATIONS""; ""FOREWORD""; ""PREFACE TO THE REVISED AND UPDATED SECOND EDITION""; ""1. THE GLOBAL KNOWLEDGE ECONOMY AND HIGHER EDUCATION""; ""1.1. INTRODUCTION""; ""1.2. GLOBALIZATION AND THE KNOWLEDGE ECONOMY""; ""1.2.1. The Industrial Society""; ""1.2.2. Transformation to the Knowledge Society and theGlobal Knowledge Economy""; ""1.3. THE GLOBAL HIGHER EDUCATION AGENDA""; ""2. ENROLLMENT AND INCREASING DEMAND""; ""2.1. INCREASING DEMAND"" ""2.2. DEMOGRAPHIC SHIFT AND NONTRADITIONAL STUDENTS"" ""2.3. INCREASING DEMAND AND INTERNATIONAL STUDENT MOBILITY""; ""3. THE RISE OF MARKET FORCES""; ""3.1. HISTORICAL BACKGROUND""; ""3.2. PUBLIC SPENDING AND TUITION FEES""; ""3.3. PRIVATE INSTITUTIONS""; ""3.4. CHANGING PATTERNS OF GOVERNANCE""; ""3.4.1. Historical Background""; ""3.4.2. The State, the Academia, and

the Society as Actors in Governance"; "3.4.3. Transformation from the Regulatory to the Evaluative State"; "3.4.4. Spread of Lay Governance, Strengthened Institutional Leadership, and a Redefinition of Autonomy"

"3.5. THE RISE OF MARKET FORCES IN RELATION TO INTERNATIONAL STUDENT MOBILITY"

"4. NEW PROVIDERS OF HIGHER EDUCATION"; "4.1. INTRODUCTION"; "4.2. IMPACT OF TECHNOLOGY"; "4.3. IMPACT OF TECHNOLOGY ON TRADITIONAL INSTITUTIONS"; "4.3.1. Distributed Learning"; "4.3.2. Virtual Arms and Unbundling of Services in Traditional Institutions"; "4.4. TYPES OF NEW PROVIDERS"; "4.4.1. Consortia and Networks"; "4.4.2. For-Profit Higher Education"; "4.4.3. Virtual Universities"; "4.4.4. Corporate Universities"; "4.4.5. Certificate Programs"; "4.4.6. Museums, Libraries, Publishers, and Media Enterprises"; "4.4.7. Academic Brokers"; "4.4.8. Branch Campuses, Franchises, and Twinning Arrangements"; "4.5. THE GLOBAL HIGHER EDUCATION MARKET"; "5. GLOBALIZATION AND INTERNATIONALIZATION OF HIGHER EDUCATION"; "5.1. HISTORICAL ANTECEDENTS"; "5.1.1. International Academic Mobility in the Greco-Roman and the Muslim Worlds"; "5.1.2. International Academic Mobility in Medieval Times"; "5.1.3. International Academic Mobility: 1500-1800"; "5.1.4. The Birth of the Napoleonic University and the German Research University"; "5.1.5. International Academic Mobility in the Nineteenth and Early Twentieth Centuries"; "5.1.6. The Emergence of the Modern American University"; "5.2 GLOBALIZATION AND INTERNATIONALIZATION OF HIGHER EDUCATION SINCE 1950"; "5.3. DEFINITION OF TERMS"; "5.3.1. Globalization and Internationalization"; "5.3.2. Rationales for Internationalization of Higher Education"; "5.4 THE EUROPEAN RESPONSE: THE BOLOGNA PROCESS"; "5.4.1 Chronological Background"; "5.4.2. An Evaluation of the Bologna Process"; "5.5. GATS: A COMMERCIAL/ANGLO-SAXON RESPONSE"; "5.6. QUALITY ASSURANCE IN TRANSNATIONAL HIGHER EDUCATION: A MULTINATIONAL ORGANIZATIONAL RESPONSE?"

Sommario/riassunto

Second, updated edition of a landmark study of how the international mobility of students, scholars, programs and institutions of higher education has evolved over time, and the ways in which it is occurring in today's global knowledge economy.

2. Record Nr.	UNINA9910864199203321
Autore	Mandal Soumen
Titolo	Novel Aspects of Diamond II : Science and Technology // edited by Soumen Mandal, Nianjun Yang
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Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (530 pages)
Collana	Topics in Applied Physics, , 1437-0859 ; ; 149
Altri autori (Persone)	YangNianjun
Disciplina	666.88
Soggetti	Physics Optical materials Nanotechnology Materials Nanoscience Semiconductors Applied and Technical Physics Optical Materials Materials Engineering Nanophysics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Insights into Nanodiamond from Machine Learning -- Tuning surface properties of detonation and milled nanodiamonds by gas phase modifications -- Early Stages of Polycrystalline Diamond Film Deposition on Seeded Substrates -- Polycrystalline diamond: recent advances in CVD synthesis and applications -- Growth of diamond on high-power electronic material -- Bonding, thermal and ambient stability of nitrogen-terminated diamond (100) surfaces by plasma exposure studied by ex-situ XPS, HREELS, and DFT modeling -- Solid State Surface Transfer Doping of Diamond: Advanced Photoemission Characterisation -- Direct Bonding of Diamond and Dissimilar Materials for Fabricating High Performance Power Devices -- Ion-implantation of Ultrananocrystalline Diamond Films for Field Electron Emission Applications -- Advances in Water Treatment Using Boron Doped

Diamond Electrodes -- Electro-analysis using unmodified boron doped diamond electrodes -- Hydrogen-Terminated Diamond MOS Capacitors, MOSFETs, and MOSFET Logic Circuits -- Gallenol/Single-Crystal Diamond MEMS Magnetic Sensor -- Diamond-Graphene Nanohybrid (DGN) Films: Preparation, Characterization and Application -- Research Progress of Isotope Battery Devices Based on Radiation Voltaic Effect in Diamond.

Sommario/riassunto

This edited book covers a wide range of novel scientific and engineering aspects of diamond films produced from chemical vapor deposition. It focuses on the most recent developments and achievements in this rapidly growing field from scientists and engineers across the domains of chemistry, biology, medicine, physics, and semiconductor engineering. The latest volume of this consistently well-cited book brings an updated, systematic review of the latest developments in diamond research and application. Featuring contributed chapters from a mix of highly-active international researchers, this new edition presents recent research focusing on topics such as diamond for thermal management in high-power electronics, diamond MOSFETs, water treatment, application of machine learning for nanodiamonds, theoretical aspects of diamond growth, current trends in emerging diamond technologies, and the growth of doped single-crystal diamond. This book is especially appealing to interdisciplinary researchers and industry professionals working on advanced diamond devices and applications, as well as theoretical and computational methods for predicting and designing new diamond materials.
