

1. Record Nr.	UNINA9910465603503321
Titolo	Multi-functional nanomaterials and their emerging applications // edited by Alagarsamy Pandikumar, Huang Nay Ming and Rajendran Jothilakshmi
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , 2014 Durnten-Zurich, Switzerland ; ; Enfield, New Hampshire : , : distributed worldwide by Trans Tech Publications, , [date of distribution not identified] ©2014
ISBN	3-03826-448-2
Descrizione fisica	1 online resource (171 p.)
Collana	Materials Science Forum, , 1662-9752 ; ; Volume 781
Disciplina	620.5
Soggetti	Nanotechnology Quantum electronics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Special topic volume with invited peer reviewed papers only."
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Multi-Functional Nanomaterials and their Emerging Applications; Preface; Table of Contents; Multifunctional Nanostructures: Synthesis and Applications; A Review on Application of Multifunctional Mesoporous Nanoparticles in Controlled Release of Drug Delivery; Emerging Applications of Nanoscience; Modeling and Simulation of Plasmonic Nanoparticles Using Finite-Difference Time-Domain Method: A Review; Design and Development of Ferrite Composite Film Electrode for Photoelectrochemical Energy Application Synthesis, Surface Acidity and Photocatalytic Activity of WO ₃ /TiO ₂ Nanocomposites - An Overview Chitosan Based Nanocomposite Materials as Photocatalyst - A Review; Effect of Substrate Temperature on the Structural and Electrochromic Properties of Mo Doped WO ₃ Thin Films; Electroreduction of Oxygen Using Platinum Nanoparticles Supported on Carbon/Conductive Bipolymeric Nanocomposite Film for Polymer Electrolyte Membrane Fuel Cells; Cadmium Zinc Sulphide Nanoparticles as Sensing Material for Microcontroller Based Ammonia

Sensor: Pilot Study
 Electrochemical Impedance Spectroscopic Study of Anatase TiO₂
 Nanoparticle Quenching of Silver Nanoparticles; Structural,
 Morphological, Vibrational and Electrical Studies on Zn Doped
 Nanocrystalline LiNiPO₄; Structural, Electrical and Dielectric Properties
 of DC Reactive Magnetron Sputtered ZrO₂ Films for Metal-Oxide-
 Semiconductor Devices; Keywords Index; Authors Index

Sommario/riassunto

The multi-functional properties of nanomaterials offer a wide range of opportunities for addressing several research and development challenges in the area of nanoscience and nanotechnology. Multi-functional nanomaterials find wide application in a variety of sectors including agriculture, medicine, telecommunications, disaster management and environmental conservation. The focus of this special topic volume is on multifunctional nanomaterial development and their emerging applications towards commercialization. This special topic illustrates a new pathway to achieve novel practical application

2. Record Nr.

UNINA9910962508203321

Autore

O'Brien Dennis <1931->

Titolo

All the essential half-truths about higher education // George Dennis O'Brien

Pubbl/distr/stampa

Chicago, : University of Chicago Press, c1998

ISBN

9786611223885
 9781281223883
 1281223883
 9780226616582
 0226616584

Edizione

[1st ed.]

Descrizione fisica

1 online resource (268 pages)

Disciplina

378.73

Soggetti

Education, Higher - United States
 Universities and colleges - United States

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Nota di bibliografia

Includes bibliographical references (p. [229]-247) and index.

Nota di contenuto

Front matter -- Contents -- Full-Face Preface -- 1. Anyone for Higher Education? -- 2. The Faculty Is the University -- 3. Tenure Is a Necessary Condition of Academic Freedom -- 4. Universities Are Neutral on Moral Value A Universities Teach Moral Value -- 5. The Liberal Arts Curriculum Aims at Distribution/Diversity -- 6. Teaching Is the Primary Task of Higher Education -- 7. The Problem with Higher Education Is the Administration -- 8. Low-Cost Public Education Benefits the Least Advantaged -- 9. The University Is the Axial Institution of Modern Society -- 10. Synthetic Morality -- 11. Ultimate Synthesis: Money, Mission, and Management -- References, Acknowledgments, and Afterthoughts -- Index

Sommario/riassunto

In this refreshing and original exploration, George Dennis O'Brien looks at higher education in America. O'Brien argues that to debate intelligently the future of education we must stop focusing on its ideals and look instead at its institutions. He does this by addressing nine half-truths, such as whether "low cost public education benefits the least advantaged in society," and goes on to examine how accurately they reflect the true state of higher education. The result is a thought-provoking discussion of the present challenges and future prospects of American higher education. "O'Brien's historical overview of the transition from 19th-century denominational colleges to 20th-century research-driven and largely secular ones is provocative. Cleverly written and well-focused, the book addresses the financial pressures facing higher education and asks vital questions about cutbacks and curricula." -Publishers Weekly "Lively, engaging, and richly suggestive." -Francis Oakley, Commonweal "O'Brien employs calm, powerful reason, without sensationalism. His perspective is illuminating. . . . All the Essential Half-Truths About Higher Education is one of the wisest and most useful treatments of American higher education." -John Attarian, Detroit News
