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| 1. Record Nr. | UNINA9910490740803321 |
| Titolo | Electroencephalography : from basic research to clinical applications // edited by Hideki Nakano |
| Pubbl/distr/stampa | London, England : , : IntechOpen, , [2021]
©2021 |
| ISBN | 1-83968-289-2 |
| Descrizione fisica | 1 online resource (164 pages) : illustrations |
| Disciplina | 616.8047547 |
| Soggetti | Electroencephalography |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references. |
| 2. Record Nr. | UNINA9910828392203321 |
| Titolo | Nanocarbon-inorganic hybrids : next generation composites for sustainable energy applications // edited by Dominik Eder, Robert Schlogl |
| Pubbl/distr/stampa | Berlin ; ; Boston : , : Walter de Gruyter, , [2014]
©2014 |
| ISBN | 1-5231-0462-7
3-11-026987-2
3-11-037788-8 |
| Descrizione fisica | 1 online resource (556 p.) |
| Disciplina | 621.31028/4 |
| Soggetti | Renewable energy sources - Research
Nanostructured materials - Research
Composite materials - Research |
| 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>Front matter -- Preface -- Contents -- Contributing authors -- Part I: Nanocarbon building blocks -- 1. A short introduction on carbon nanotubes / Gebhardt, Paul / Eder, Dominik -- 2. Synthesis, characterisation and properties of graphene / Paton, Keith -- 3. Functionalization of carbon nanotubes / Melchionna, Michele / Prato, Maurizio -- 4. The importance of defects and dopants within carbon nanomaterials during the fabrication of polymer composites / Vega-Diaz, S.M. / López, F. Tristán / Morelos-Gómez, A. / Cruz-Silva, R. / Terrones, M. -- Part II: Synthesis and characterisation of hybrids -- 5. Synthesis strategies of nanocarbon hybrids / Shearer, Cameron J. / Eder, Dominik -- 6. Graphene and its hybrids with inorganic nanoparticles, polymers and other materials / Rao, C.N.R. / Ramakrishna Matte, H.S.S. / Maitra, Urmimala -- 7. Sustainable carbon hybrid materials made by hydrothermal carbonization and their use in energy applications / Antonietti, Markus / Zhao, Li / Titirici, Maria-Magdalena -- 8. Nanocarbon-based composites / Vilatela, Juan J. -- 9. Carbon-Carbon Composites / Schlögl, Robert -- 10. Graphite oxide-MOF hybrid materials / Bandosz, Teresa J. -- Part III: Applications of nanocarbon hybrids -- 11. Batteries/Supercapacitors: Hybrids with CNTs / Su, Dang Sheng -- 12. Graphene-metal oxide hybrids for lithium ion batteries and electrochemical capacitors / Wu, Zhong-Shuai / Feng, Xinliang / Müllen, Klaus -- 13. Nanocarbons for field emission devices / Robertson, John -- 14. Carbon, carbon hybrids and composites for polymer electrolyte fuel cells / Trogadas, Panagiotis / Strasser, Peter -- 15. Nanocarbon materials for heterogeneous catalysis / Frank, Benjamin -- 16. Advanced photocatalytic materials by nanocarbon hybrid materials / Centi, Gabriele / Perathoner, Siglinda -- 17. Electrochromic and photovoltaic applications of nanocarbon hybrids / Di, Jiangtao / Zhao, Zhigang / Li, Qingwen -- 18. Carbon nanomaterials as integrative components in dye-sensitized solar cells / Costa, Rubén D. / Guldi, Dirk M. -- 19. Importance of edge atoms / Radovic, Ljubisa R. -- Index</p>
Sommario/riassunto	<p>Nanocarbon-Inorganic Hybrids is dedicated exclusively to the new family of functional materials, covering a multidisciplinary research field that combines materials science, chemistry and physics with nanotechnology and applied energy science. It provides a concise introduction into fundamental principles of nanocarbons, defines hybrids and composites, explains the physics behind sustainability, and illustrates requirements for successful implementation in energy applications. It further reviews the current research on developing concepts for designing nanocarbon hybrids, unravels mechanistic details of interfacial electron transfer processes and highlights future challenges and perspectives associated with exploiting these exciting new materials in commercial energy applications and beyond. This comprehensively written book is indispensable for Master and PhD students seeking to become familiar with a modern field of knowledge-driven material science as well as for senior researchers and industrial staff scientists who explore the frontiers of knowledge.</p>

3. Record Nr.	UNINA9910647775903321
Autore	Hill Christopher
Titolo	Supporting and Learning from Academics : EMI Toolkit // by Christopher Hill, Chia-Yi Lin, Hsin Yuan Lai
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789811990403 9811990409
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (135 pages)
Disciplina	428.00711
Soggetti	Language and languages - Study and teaching Education, Higher Education - Curricula Language acquisition Language Education Higher Education Curriculum Studies Language Acquisition and Development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part 1. Development of EMI in Global Context -- Chapter 1. English Education in Higher Education -- Chapter 2. General Requirements to successful EMI Delivery -- Part 2. Pedagogy -- Chapter 3. Behavioural Pedagogy -- Chapter 4. Teaching EMI Online -- Part 3. Professional Development and Capacity Building -- Chapter 5. Teacher Development -- Part 4. Intercultural communication -- Chapter 6. Understanding the role of culture in teaching -- Part 5. Issues of EMI design, delivery and evaluation -- Chapter 7. Evaluation & Assessment -- Chapter 8. Quality Assurance -- Part 6. Tips and Techniques -- Chapter 9. Case Studies in the Global Context -- Chapter 10. Intercultural Teaching -- Chapter 11. English language use.
Sommario/riassunto	This book draws on real-world case studies to highlight key challenges and support the crafting of relevant and contextual responses. There is increasing pressure on academics and teaching staff to provide high-

quality teaching and delivery in English. More than an edited volume, it offers a true dialogue on emerging trends in EMI, making it of considerable value to practitioners, students and policymakers alike. By analyzing established and emerging models of EMI delivery, the book presents a review and assessment of how universities can respond to student expectations and build internal capacities so as to offer better learning experiences.
