1. Record Nr. UNINA9910814587403321

Autore	OECD
Titolo	Future-Proofing Adult Learning in Berlin, Germany
Pubbl/distr/stampa	Paris : , : Organization for Economic Cooperation & Development, , 2022 ©2022
ISBN	9789264374386
Edizione	[1st ed.]
Descrizione fisica	1 online resource (103 pages)
Soggetti	Employment--Germany
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Foreword -- Acknowledgements -- Acronyms and abbreviations -- Executive summary -- 1 Assessment and recommendations -- Managing labour market uncertainty due to COVID-19 and the future of work -- What are the policy opportunities for Berlin to future-proof its adult learning system? -- Develop a long-term strategy for adult learning in Berlin -- Provide adult learning to all individuals and tailor it to the needs of vulnerable groups -- Strengthen the support for employers and bring employers on board to foster investments in adult learning and workplace training -- 2 Berlin's labour market: Positive long-term trends, but socio-economic disparities persist -- Introduction -- Berlin has experienced a recent boom in the labour market -- Social divisions characterise Berlin's population and economy -- References -- 3 The impact of the future of work on Berlin's labour market -- Introduction -- How does automation affect Berlin's labour market? -- Automation threatens almost half of all jobs in Berlin -- Labour markets in the OECD are polarising, partly reflecting a shift in labour supply -- The green transition: an opportunity for Berlin? -- Changing skills needs in Berlin -- Non-standard work is on the rise in Berlin -- Part-time work has increased in Berlin, Germany and the OECD -- COVID-19 and digitalisation lead to surging demand for digital skills -- References -- Notes -- 4 Strengthening adult learning for inclusion and social mobility -- CET participation in Berlin: a national and international

comparison -- Berlin's CET landscape: Funding and service delivery -- The main actors in continuous education and training in Berlin -- Different types of continuous education and training instruments are delivered by the national and the federal state government of Berlin -- Guidance on education and training.
Financial incentives for individuals -- Educational leave law -- Financial incentives for companies -- Increasing participation in CET among vulnerable population groups for a better labour market integration -- A better integration of Berlin's strong adult education centres as a place of CET and career guidance into the local CET ecosystem could benefit migrants in particular -- Promising innovative initiatives targeting vulnerable segments of the population involve social economy actors -- References.

Sommario/riassunto

After a long period of employment growth that led to the lowest unemployment rate since the German reunification, Berlin's labour market is now tightening. Accelerated by the COVID-19 pandemic, global labour market megatrends such as the automation of production processes and the increasingly advanced digital skills required to perform many jobs pose new challenges to Berlin's policymakers.

2.

Record Nr.	UNINA9910380724503321
Autore	Thangadurai T. Daniel
Titolo	Nanostructured Materials / / by T. Daniel Thangadurai, N. Manjubaashini, Sabu Thomas, Hanna J. Maria
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-26145-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 210 p. 88 illus., 32 illus. in color.)
Collana	Engineering Materials, , 1868-1212
Disciplina	620.115
Soggetti	Nanotechnology Microtechnology Microelectromechanical systems Nanoscience Microsystems and MEMS Nanophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Nanotechnology and Dimensions -- Nanomaterials, Properties and Applications -- Fundamentals of Nanostructures -- Physics and Chemistry of Nanostructures -- Quantum effects, CNTs, Fullerenes and Dendritic structures -- Semiconductors, Organic and Hybrid Nanostructures -- Properties of Nanostructured Materials -- Synthesis of Nanostructured Materials -- Functionalization of Nanostructures -- Characterization and Technical Analysis of Nanostructured Materials -- (N.A.) -- Nanostructured Materials for Optical and Electronic Applications -- Nanostructured Materials for Bioapplications -- Nanostructured Materials for Photonic Applications -- Nanostructured Materials for Environmental Remediation -- Miscellaneous Applications of Nanostructures -- Nanostructured Materials Life time and Toxicity Analysis -- Nanomaterials Research and Development.
Sommario/riassunto	This book discusses the early stages of the development of nanostructures, including synthesis techniques, growth mechanisms, the physics and chemistry of nanostructured materials, various innovative characterization techniques, the need for functionalization

and different functionalization methods as well as the various properties of nanostructured materials. It focuses on the applications of nanostructured materials, such as mechanical applications, nanoelectronics and microelectronic devices, nano-optics, nanophotonics and nano-optoelectronics, as well as piezoelectric, agriculture, biomedical and, environmental remediation applications, and anti-microbial and antibacterial properties. Further, it includes a chapter on nanomaterial research developments, highlighting work on the life-cycle analysis of nanostructured materials and toxicity aspects.