1. Record Nr. UNINA9910693696603321

Autore	Hackley Vincent A.
Titolo	Guide to rheological nomenclature : measurements in ceramic particulate systems / / Vincent A. Hackley and Chiara F. Ferraris
Pubbl/distr/stampa	[Gaithersburg, Md.] : , : U.S. Department of Commerce, Technology Administration, National Institute of Standards and Technology, , 2001
Descrizione fisica	1 online resource (pages) : illustrations
Collana	NIST special publication ; ; 946
Soggetti	Rheology Ceramic powders Terminology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"CODEN: NSPUE2." G.P.O. sales statement incorrect in publication. "January 2001."
Nota di bibliografia	Includes bibliographical references (pages 25-27) and index.

2. Record Nr. UNINA9910822034703321

Autore	Reay David G
Titolo	Process intensification : engineering for efficiency, sustainability and flexibility / / David Reay, Colin Ramshaw, Adam Harvey
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier/BH, 2013 Oxford : , : Butterworth-Heinemann, , 2013
ISBN	0-08-098305-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xxxi, 591 pages) : illustrations (some color)
Collana	Isotopes in organic chemistry
Disciplina	660.2815
Soggetti	Chemical process control Chemical processes - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous edition: 2008.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. A Brief History of Process Intensification; 2. Process Intensification - An Overview; 3. The Mechanisms Involved in Process Intensification; 4. Compact and Micro-heat Exchangers; 5. Reactors; 6. Intensification of Separation Processes; 7. Intensified Mixing; 8. Application Areas - Petrochemicals and Fine Chemicals; 9. Application Areas - Offshore Processing; 10. Application Areas - Miscellaneous Process Industries; 11. Application Areas - the Built Environment, Electronics, and the Home; 12. Specifying, Manufacturing and Operating PI Plant; Appendix 1 - Abbreviations Used; Appendix 2 - Nomenclature; Appendix 3 - Equipment Suppliers; Appendix 4 - R&D Organisations, Consultants and Miscellaneous Groups Active in PI; Appendix 5 - A Selection of Other Useful Contact Points, Including Networks and Websites; Index.
Sommario/riassunto	Process Intensification: Engineering for Efficiency, Sustainability and Flexibility is the first book to provide a practical working guide to understanding process intensification (PI) and developing successful PI solutions and applications in chemical process, civil, environmental, energy, pharmaceutical, biological, and biochemical systems. Process intensification is a chemical and process design approach that leads to substantially smaller, cleaner, safer, and more energy efficient process technology. It improves process flexibility, product quality, speed to market and inherent safety, with a reduced environmental footprint. This book represents a valuable resource for engineers working with

	leading-edge process technologies, and those involved research and development of chemical, process, environmental, pharmaceutical, and bioscience systems.

3. Record Nr. UNINA9910742484403321

Autore	Sandeep
Titolo	Geohazards : Analysis, Modelling and Forecasting / / edited by Sandeep, Parveen Kumar, Himanshu Mittal, Roshan Kumar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9939-55-0
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (201 pages)
Collana	Advances in Natural and Technological Hazards Research, , 2213-6959 ; ; 53
Altri autori (Persone)	KumarParveen MittalHimanshu KumarRoshan
Disciplina	551 363.34
Soggetti	Natural disasters Geophysics Geology Artificial intelligence Natural Hazards Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Role of active tectonics in the estimation of seismic hazard of an area: A case study of western India -- Stress Scenario In The North-West Himalaya: What We Learnt From Post-Seismic Stress Changes -- The crust and upper mantle structure beneath the Bangladesh and its effects on seismic hazard -- Seismological data quality controls – a synthesis -- Use of Geophysical techniques in Seismic Hazard Assessment and Microzonation -- Earthquake response and its implications towards the structural design codes for Himalayan and adjoining regions of India -- Liquefaction Potential Index (LPI): A

Parameter to Assess Liquefaction Hazard -- Earthquake Precursory Studies Using Radon Time Series Data in Taiwan: An Overview -- Spatial prediction of earthquake-induced landslide susceptible zones - A case study from Indian Himalaya -- Tsunamis in the past and recent years over Indian coasts: A review -- Instrumentation of India’s First Regional Earthquake Early Warning System and Site Characterization of itsStations -- Overview of Artificial Intelligence (AI) and Machine Learning (ML) in Seismology. .

Sommario/riassunto

This book presents a comprehensive analysis of diverse aspects of geohazards. The growing vulnerability and exposure to failures in risk reduction and policy-making increases the severity of geohazard impacts by many folds. Therefore, detailed geohazard analysis, modelling and forecasting are needed to reduce the impacts of extreme events. An interdisciplinary approach to hazard mitigation provides an advanced tool for risk reduction. The book thus summarizes recent modelling and analysis techniques for hazard assessment and risk mitigation. Topics discussed in the book are hazard and risk associated with earthquakes, vulnerability assessment for landslides and avalanches, the assessment of tsunami risk in coastal regions, the implementation of early warning systems to prevent catastrophic consequences, climate change risk modelling and risk communication. The convergent approach with the aspects of natural, engineering, and social sciences attracts a vast audienceworking to advance disaster science. This book also significantly facilitates the acquisition of policy-relevant knowledge for risk reduction, which is beneficial to the general public.