1. Record Nr. UNINA9910727284403321

Titolo	Rare earth elements : emerging advances, technology utilization, and resource procurement / / edited by Michael Aide
Pubbl/distr/stampa	London : , : IntechOpen, , 2023
ISBN	1-83768-075-2
Descrizione fisica	1 online resource (164 pages)
Disciplina	669
Soggetti	Metallurgy Metals
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Coordination Compounds of Lanthanides as Materials for Luminescent Turn Off Sensors -- 2. Perspective Chapter: History and Classification of Gold Mineralization in Egypt -- 3. Concentrated Hydrochloric Acid Leaching of Greenland Steenstrupine to Obviate Silica Gel Formation -- 4. Luminescent Materials with Turn-on and Ratiometric Sensory Response Based on Coordination Compounds of Lanthanides -- 5. Prediction of Solubility and Miscibility Parameters of Bismuth-Arsenic Complex and Amorphous Mineral Compounds Using Molecular Dynamics Simulation -- 6. Rare Earth Elements in New Advanced Engineering Applications -- 7. An Overview of Radon Emanation Measurement System for South African Communities -- 8. Evaluation of Rare Earth Element Mine Sites for Environmental Impact.
Sommario/riassunto	Rare Earth Elements - Emerging Advances, Technology Utilization, and Resource Procurement illustrates the global interest in rare earth elements. The section on "Emerging Advances and Technology" presents research on the usage of rare earth elements in emerging technologies involving medicine, digital technology, mineral processing, and chemistry. The section on "Utilization and Resource Procurement" focuses on the global issues of pollution because of rare earth mining. The research presented underlies the rapid development of emerging technologies that require rare earth elements and the social issues that arise because of these technologies.