1. Record Nr. UNISA996215160103316

Titolo	Fundamentals of refractory technology [[electronic resource]] : proceedings of the Refractory Ceramics Division Focused lecture series presented at the 101st and 102nd Annual Meetings held April 25-28, 1999, in Indianapolis, Indiana, and April 30-May 3, 2000, in St. Louis, Missouri, respectively / / edited by James P. Bennett, Jeffery D. Smith
Pubbl/distr/stampa	Westerville, Ohio, : American Ceramic Society, c2001
ISBN	1-280-58615-X 9786613615985 1-118-37094-5 1-118-37090-2
Descrizione fisica	1 online resource (317 p.)
Collana	Ceramic transactions, , 1042-1122 ; ; v. 125
Altri autori (Persone)	BennettJames P SmithJeffrey Dean <1951->
Disciplina	666.72
Soggetti	Refractory materials Heat resistant materials
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.
Nota di contenuto	Fundamentals of Refractory Technology; Contents; Preface; 1999 Focused Sessions-Indianapolis, Indiana, April 26, 1999; Particle Size Distribution as a Predictor of Suspension Flow Behavior; Rheology and Plasticity for Ceramic Processing; The Nature of Chemical Reactions That Occur During Castable Installation and Analytical Techniques Used to Follow These Reactions; High-Temperature Mechanical Behavior of Magnesia-Graphite Refractories; Needed Fundamental Thermomechanical Material Properties for Thermomechanical Finite Element Analysis of Refractory Structures Porous Ceramic Simulation of Reservoir Rocks Determination of Porosity by Electric Permittivity MeasurementsCorrosion of Industrial Refractories; 2000 Focused Sessions-St. Louis, Missouri, May 1, 2000; Application of Thermochemistry to Refractories; Creep Measurement and Analysis of Refractories; Corrosion of Refractories in Glass-Melting Application; Oxyfuel Firing Effects on Refractories; Cold Setting

	Cordierite Castables; Different Types of in situ Refractories; The Use of Modeling in Refractories; Bath Penetration of Barrier Refractories for Aluminum Electrolytic Cells Interfacial Phenomena
Sommario/riassunto	This updated reprint provides up-to-date information on refractories technology presented by recognized experts in the field. Produced from focused sessions of two Refractory Ceramics Division meetings, refractory scientists from around the world were invited to provide overviews of the scientific principles related to refractory manufacturing and performance. The result is this informative volume and a current view of the Fundamentals of Refractory Technology.