1. Record Nr. UNINA9910451457603321

Autore	Fruton Joseph
Titolo	Fermentation: Vital or Chemical Process? / / Joseph Fruton
Pubbl/distr/stampa	Leiden; ; Boston : , : BRILL, , 2006
ISBN	1-281-39991-4 9786611399917 90-474-1041-6
Descrizione fisica	1 online resource (159 p.)
Collana	History of Science and Medicine Library ; ; 1
Disciplina	572/.49
Soggetti	Biochemistry - history Biochemistry Fermentation - History Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Acknowledgements -- Introduction -- 1. Aristotle to Paracelsus -- 2. Van Helmont to Black -- 3. Lavoisier to Fischer -- 4. The Buchners to the Warburg Group -- Conclusion -- Bibliography -- Index.
Sommario/riassunto	Human knowledge of the conversion of grape must into wine and of cereal dough into bread is as old as agriculture. This book is a study of the ways this phenomenon (fermentation) has been considered since Aristotle to be analogous to natural processes such as human digestion. During 1200-1600 A.D., alchemists wrote "ferments" or "elixirs" that could turn lead into gold. A century later, in Newton's time, many physicians and natural philosophers considered fermentation to be an important natural process. The 18th century was marked by Lavoisier's celebrated experiment on alcoholic fermentation. The 19th-century debate about the nature of this process was concluded by Buchner's preparation of an active cell-free yeast extract. From 1910-1940 many researchers participated in the identification of the chemical intermediates and catalysts in the multi-enzyme pathway of alcoholic fermentation.

2. Record Nr. UNINA9910141047303321

Titolo	Advanced materials for sustainable developments : a collection of papers presented at the 34th International Conference on Advanced Ceramics and Composites, January 24 -29, 2010, Daytona Beach, Florida / / edited by Hua-Tay Lin [and four others] ; The American Ceramic Society
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2010 ©2010
ISBN	1-299-18633-5 0-470-94408-0 0-470-94407-2
Descrizione fisica	1 online resource (151 p.)
Collana	Ceramic Engineering and Science Proceedings, 9 ; ; v.533
Disciplina	620.14 666
Soggetti	Ceramic materials Electric insulators and insulation - Ceramic materials Insulation (Heat) Detectors - Materials Electronic books.
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 at the end of each chapters and index.
Nota di contenuto	Advanced Materials for Sustainable Developments; Contents; Preface; Introduction; Dye-Sensitized Solar Cell Based on Anodic TiO2 Nanotubes Produced from Anodization in Fluoride-Free Electrolyte; Self-Propagating High-Temperature Synthesis of Calcium Cobaltate Thermoelectric Powders; Effect of Rare-Earth Doping on Thermoelectric Properties of Porous SiC Synthesized by Silicon Carbonization Technique; Powder Synthesis, Characterization and Sintering Behavior of Lithium Titanate Processing of Titania Nanoceramics Via Conventional Sintering, Two-Step Sintering and Two-Step Sintering Assisted by Phase TransformationStrength of N- and P-Type Skutterudites; Graphite and

Ceramic Coated Particles for the HTR; Development and Characterization of High Conductivity Graphite Foams for Thermal Management Applications; Integration of Graphite Foams to Titanium for Thermal Management Applications; Fabrication of Novel Heat Insulator using Porous Ceramics Materials; Detection and Classification of Gaseous Compounds by Solid Electrolyte Cyclic Voltammetry Sensors Wireless Chemical Sensor for Combustion Species at High Temperatures using 4H-SICHigh Temperature Acoustic Wave Gas Sensor using Langasite Crystal Resonator; Synthesis of (La,Nd):Y203 and (La,Yb):Y203 Laser Ceramics and Their Optical Properties; Metal Oxide Nanoelectrodes for Environmental Sensors-ZnO Rods and Particulate Films; Author Index

Sommario/riassunto

Contributions from three symposia that were part of the 34th International Conference on Advanced Ceramics and Composites (ICACC), in Daytona Beach, FL, January 24-29, 2010 are presented in this volume. The broad range of topics is captured by the symposia titles, which are listed as follows: International Symposium on Ceramics for Elec