1. Record Nr. UNINA9910140644703321

Titolo	Advanced functional materials / / edited by Ashutosh Tiwari and Lokman Uzun
Pubbl/distr/stampa	Hoboken, New Jersey : , : Scrivener Publishing : , : Wiley, , 2015 ©2015
ISBN	1-118-99898-7 1-118-99897-9
Descrizione fisica	1 online resource (1000 p.)
Collana	Advanced Materials Series
Disciplina	620.11
Soggetti	Molecular electronics - Materials Nanostructured materials Metallic oxides
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Part 1. Functional metal oxides : architecture, design, and applications -- Development of toxic chemicals sensitive chemiresistors based on metal oxides, conducting polymers and nanocomposites thin films -- The synthetic strategy for developing mesoporous materials through nanocasting route -- Spray pyrolysis of nano-structured optical and electronic materials -- Multifunctional spinel ferrite nanoparticles for biomedical application -- Heterostructures based on TiO2 and silicon for solar hydrogen generation -- Studies on electrochemical properties of MnO2 and CuO decorated multi-walled carbon nanotubes as high-performance electrode materials -- Part 2. Multifunctional hybrid materials : fundamentals and frontiers -- Discotic liquid crystalline dimers : chemistry and applications -- Supramolecular nanoassembly and its potential -- Carbon-based hybrid composites as advanced electrodes for supercapacitors -- Synthesis, characterization, and uses of novel-architecture copolymers through gamma radiation technique -- Advanced composite adsorbents : chitosan versus graphene -- Antimicrobial biopolymers -- Organometal halide perovskites for photovoltaic applications.

		Part 1. Functional metal oxides : architecture, design, and applications -- Part 2. Multifunctional hybrid materials : fundamentals and frontiers.
2.	Record Nr.	UNINA9910156308903321
	Autore	Barone Caterina
	Titolo	Chemical Profiles of Industrial Cow's Milk Curds / / by Caterina Barone, Marcella Barbera, Michele Barone, Salvatore Parisi, Izabela Steinka
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (VI, 46 p. 11 illus.)
	Collana	Chemistry of Foods, , 2199-689X
	Disciplina	540
	Soggetti	Food—Biotechnology Proteins Nutrition Food Science Protein Science
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Optimizing Lactic Acid Cheese Packaging Systems -- Evolutive Profiles of Caseins and Degraded Proteins in Industrial Cow's Milk Curds -- The Production of Industrial Cow's Milk Curds -- Chemical Correlations between Industrial Curds and Final Cheeses. Can Cheese Makers Standardize Productions?
	Sommario/riassunto	This Brief explores the chemistry and production technology of a cheese precursor: the cow's milk curd. It explains how different coagulation and treatment methods can be used to obtain various types of cheeses. Parameters such as the type of used milk, the coagulation method, pH value, color, and microbial fermentation have a profound impact on the resulting curd properties, and hence on the cheese. The authors discuss some of the most important parameters, and how their modification can lead to a variety of cheese and dairy products. This Brief also addresses the question, if cheese makers can standardize their production procedures, and what role chemistry may play in that. Another important point addressed here are the sources of failures in

the curd production, e.g. in packaging systems. Readers will find selected examples of helpful analytical techniques for studying and evaluating curd quality, and for monitoring the chemical evolution of selected chemical substances or protein aggregation. .