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Die Tesla-Revolution-Willem Middelkoop 2018-10-30

"Die Tesla-Revolution" zeigt uns die Zukunft der Energieversorgung. Lesen Sie, wie der rasante technologische Fortschritt bei Batterien und der Solartechnologie bereits heute große Veränderungen vorantreibt und was dies für die Wirtschaft, die Politik und unseren Alltag bedeutet.

Electric and Hybrid Vehicles-Iqbal Husain 2021-02-22

A thoroughly revised third edition of this widely

praised, bestselling textbook presents a comprehensive systems-level perspective of electric and hybrid vehicles with emphasis on technical aspects, mathematical relationships and basic design guidelines. The emerging technologies of electric vehicles require the dedication of current and future engineers, so the target audience for the book is the young professionals and students in engineering eager to learn about the area. The book is concise and clear, its mathematics are kept to a necessary minimum and it contains a well-balanced set of contents of the complex technology. Engineers of multiple disciplines can either get a broader overview or explore in depth a particular aspect of electric or hybrid vehicles. Additions in the third edition include simulation-based design analysis of electric and hybrid vehicles and their powertrain components, particularly that of traction inverters, electric machines and motor drives. The technology trends to incorporate wide bandgap power electronics and reduced rare-earth permanent magnet electric machines in the powertrain components have been highlighted. Charging stations are a critical component for the electric vehicle infrastructure, and hence, a chapter on vehicle interactions with the power grid has been added. Autonomous driving is another emerging technology, and a chapter is included describing the autonomous driving system architecture and the hardware and software needs for such systems. The platform has been set in this book for system-level simulations to develop models using various softwares used in academia and industry, such as MATLAB®/Simulink,

PLECS, PSIM, Motor-CAD and Altair Flux. Examples and simulation results are provided in this edition using these software tools. The third edition is a timely revision and contribution to the field of electric vehicles that has reached recently notable markets in a more and more environmentally sensitive world.

Behaviour of Lithium-Ion Batteries in Electric Vehicles-Gianfranco Pistoia 2018-02-10

This book surveys state-of-the-art research on and developments in lithium-ion batteries for hybrid and electric vehicles. It summarizes their features in terms of performance, cost, service life, management, charging facilities, and safety. Vehicle electrification is now commonly accepted as a means of reducing fossil-fuels consumption and air pollution. At present, every electric vehicle on the road is powered by a lithium-ion battery. Currently, batteries based on lithium-ion technology are ranked first in terms of performance, reliability and safety. Though other systems, e.g., metal-air, lithium-sulphur, solid state, and aluminium-ion, are now being investigated, the lithium-ion system is likely to dominate for at least the next decade – which is why several manufacturers, e.g., Toyota, Nissan and Tesla, are chiefly focusing on this technology. Providing comprehensive information on lithium-ion batteries, the book includes contributions by the world's leading experts on Li-ion batteries and vehicles.

Bulletin of the Chemical Society of Japan-Nihon Kagakkai 1985

Mapping of lithium-ion batteries for vehicles: A study of their fate in the Nordic countries-Dahllöf, Lisbeth 2019-10-24

The number of electric vehicles (cars, buses, e-bikes, electric scooters and electric motorcycles) sold in the Nordic countries is currently increasing quickly. That means that more electricity is used for driving, and also that more of some important metals are being used than earlier. This report regards the fate of the lithium-ion batteries used in vehicles in the Nordic countries. Currently the “Battery Directive” (EC, 2006) which is a producer’s responsibility directive, is under revision and this study is a knowledge base intended for use by the Nordic Environmental Protection Agencies for their referral response in the revision process. This report focuses on the aspect of metal resources, but it does not elaborate on a broader range of environmental impacts, as these were outside the scope of this study.

The Journal of Analytical Chemistry of the USSR.- 1968-07

Solid Fuel Chemistry- 1983

REWAS 2016-Randolph Kirchain 2016-11-22

Topics covered in this collection include the following: •Enabling & Understanding Sustainability - Ferrous & Non-ferrous Metals Processing •Understanding & Enabling Sustainability - (Rechargeable) Batteries •Enabling & Understanding Sustainability - Rare Earth Element Applications •Enabling & Understanding Sustainability - Building Materials & Slag Valorisation •Designing Materials and Systems for Sustainability •Understanding & Enabling Sustainability - Light Metals Recycling & Waste Valorisation

•Understanding & Enabling Sustainability - Education Research Innovation I
•Understanding & Enabling Sustainability - Education Research Innovation II + Electronic Equipment

Russian Journal of Inorganic Chemistry- 1990

The Handbook of Lithium-Ion Battery Pack Design-John T Warner 2015-05-23

The Handbook of Lithium-Ion Battery Pack Design: Chemistry, Components, Types and Terminology offers to the reader a clear and concise explanation of how Li-ion batteries are designed from the perspective of a manager, sales person, product manager or entry level engineer who is not already an expert in Li-ion battery design. It will offer a layman's explanation of the history of vehicle electrification, what the various terminology means, and how to do some simple calculations that can be used in determining basic battery sizing, capacity, voltage and energy. By the end of this book the reader has a solid understanding of all of the terminology around Li-ion batteries and is able to do some simple battery calculations. The book is immensely useful to beginning and experienced engineer alike who are moving into the battery field. Li-ion batteries are one of the most unique systems in automobiles today in that they combine multiple engineering disciplines, yet most engineering programs focus on only a single engineering field. This book provides you with a reference to the history, terminology and design criteria needed to understand the Li-ion battery and to successfully lay out a new battery concept. Whether you are an electrical engineer, a

mechanical engineer or a chemist this book helps you better appreciate the inter-relationships between the various battery engineering fields that are required to understand the battery as an Energy Storage System. Offers an easy explanation of battery terminology and enables better understanding of batteries, their components and the market place. Demonstrates simple battery scaling calculations in an easy to understand description of the formulas Describes clearly the various components of a Li-ion battery and their importance Explains the differences between various Li-ion cell types and chemistries and enables the determination which chemistry and cell type is appropriate for which application Outlines the differences between battery types, e.g., power vs energy battery Presents graphically different vehicle configurations: BEV, PHEV, HEV Includes brief history of vehicle electrification and its future

Handbook on Battery Energy Storage System-Asian Development Bank 2018-12-01

This handbook serves as a guide to deploying battery energy storage technologies, specifically for distributed energy resources and flexibility resources. Battery energy storage technology is the most promising, rapidly developed technology as it provides higher efficiency and ease of control. With energy transition through decarbonization and decentralization, energy storage plays a significant role to enhance grid efficiency by alleviating volatility from demand and supply. Energy storage also contributes to the grid integration of renewable energy and promotion of microgrid.

Grid-Scale Energy Storage Systems and Applications-Fu-Bao Wu 2019-06-11

Grid-Scale Energy Storage Systems and Applications provides a timely introduction to state-of-the-art technologies and important demonstration projects in this rapidly developing field. Written with a view to real-world applications, the authors describe storage technologies and then cover operation and control, system integration and battery management, and other topics important in the design of these storage systems. The rapidly-developing area of electrochemical energy storage technology and its implementation in the power grid is covered in particular detail. Examples of Chinese pilot projects in new energy grids and micro grips are also included. Drawing on significant Chinese results in this area, but also including data from abroad, this will be a valuable reference on the development of grid-scale energy storage for engineers and scientists in power and energy transmission and researchers in academia. Addresses not only the available energy storage technologies, but also topics significant for storage system designers, such as technology management, operation and control, system integration and economic assessment Draws on the wealth of Chinese research into energy storage and describes important Chinese energy storage demonstration projects Provides practical examples of the application of energy storage technologies that can be used by engineers as references when designing new systems

Cotman in the North-David Hill 2005-01-01

"Every major painting, related studies, and the author's own photographs of the locations in which Cotman worked are included in this book, as well as a wealth of new documentary evidence of his time with the Cholmeleys."--BOOK JACKET.

Toxicology Research Projects Directory- 1978

An indexed directory of current research project abstracts in toxicology and related fields.

High Energy Density Lithium Batteries-Katerina E. Aifantis 2010-03-30

Materials Engineering for High Density Energy Storage provides first-hand knowledge about the design of safe and powerful batteries and the methods and approaches for enhancing the performance of next-generation batteries. The book explores how the innovative approaches currently employed, including thin films, nanoparticles and nanocomposites, are paving new ways to performance improvement. The topic's tremendous application potential will appeal to a broad audience, including materials scientists, physicists, electrochemists, libraries, and graduate students.

Nanostructured Materials for Next-Generation Energy Storage and Conversion-Qiang Zhen 2019-10-10

Volume 3 of a 4-volume series is a concise, authoritative and an eminently readable and enjoyable experience related to lithium ion battery design, characterization and usage for portable and stationary power. Although the major focus is on lithium metal oxides or transition metal oxide as alloys, the discussion of fossil fuels is also presented where

appropriate. This monograph is written by recognized experts in the field, and is both timely and appropriate as this decade will see application of lithium as an energy carrier, for example in the transportation sector. This Volume focuses on the fundamentals related to batteries using the latest research in the field of battery physics, chemistry, and electrochemistry. The research summarised in this book by leading experts is laid out in an easy-to-understand format to enable the layperson to grasp the essence of the technology, its pitfalls and current challenges in high-power Lithium battery research. After introductory remarks on policy and battery safety, a series of monographs are offered related to fundamentals of lithium batteries, including, theoretical modeling, simulation and experimental techniques used to characterize electrode materials, both at the material composition, and also at the device level. The different properties specific to each component of the batteries are discussed in order to offer tradeoffs between power and energy density, energy cycling, safety and where appropriate end-of-life disposal. Parameters affecting battery performance and cost, longevity using newer metal oxides, different electrolytes are also reviewed in the context of safety concerns and in relation to the solid-electrolyte interface. Separators, membranes, solid-state electrolytes, and electrolyte additives are also reviewed in light of safety, recycling, and high energy endurance issues. The book is intended for a wide audience, such as scientists who are new to the field, practitioners, as well as students in the STEM and STEP fields, as

well as students working on batteries. The sections on safety and policy would be of great interest to engineers and technologists who want to obtain a solid grounding in the fundamentals of battery science arising from the interaction of electrochemistry, solid-state materials science, surfaces, and interfaces.

Nordic Nutrition Recommendations 2012-
Nordic Council of Ministers
2014-03-06

The Nordic countries have collaborated in setting guidelines for dietary composition and recommended intakes of nutrients for several decades through the joint publication of the Nordic Nutrition Recommendations (NNR). This 5th edition, the NNR 2012, gives Dietary Reference Values (DRVs) for nutrients, and compared with earlier editions more emphasis has been put on evaluating the scientific evidence for the role of food and food patterns contributing to the prevention of the major diet-related chronic diseases. Recommendations on physical activity are included and interaction with physical activity has been taken into account for the individual nutrient recommendations wherever appropriate. A chapter on sustainable food consumption has been added. A Nordic perspective has been accounted for in setting the reference values.The NNR 2012 has used an evidence-based and transparent approach in assessing associations between nutrients and foods and certain health outcomes. Systematic reviews form the basis for the recommendations of several nutrients and topics, while a less stringent update has been done for others. The

systematic reviews and individual chapters have been peer reviewed and the systematic reviews are published in the Food & Nutrition Research journal. The draft chapters were subject to an open public consultation. Recommendations have been changed only when sufficient scientific evidence has evolved since the 4th edition. The primary aim of the NNR 2012 is to present the scientific background of the recommendations and their application. A secondary aim is for the NNR 2012 to function as a basis for the national recommendations that are adopted by the individual

Russian Journal of Physical Chemistry- 1984

John Sell Cotman, 1782-1842- John Sell Cotman 1979

In silico Modeling and Experimental Validation for Improving Methanogenesis from CO2 via M. maripaludis- Nishu Goyal 2016-09-28

This thesis explores the ability of M. maripaludis to capture and convert CO2 to methane in the presence of free nitrogen, and offers a consolidated review of the metabolic processes and applications of M. maripaludis. Further, it develops, validates and analyzes the first genome-scale metabolic model (iMM518) of M. maripaludis. Readers will discover, for the first time, the impact of nitrogen fixation on methane production. As such, the thesis will be of interest to researchers working on M. maripaludis, biofuels and bioenergy, systems biology modeling and its experimental validation, estimation of maintenance energy parameters, nitrogen fixing microbes, and bioremediation.

The American Bookseller- 1891

Atlas of Zeolite Framework Types-Ch. Baerlocher 2007-09-12

Zeolite scientists, whether they are working in synthesis, catalysis, characterization or application development, use the Atlas of Zeolite Framework Types as a reference. It describes the main features of all of the confirmed zeolite framework structures, and gives references to the relevant primary structural literature. Since the last edition 34 more framwork types have been approved and are described in this new edition. A further new feature will be that characteristic building units will be listed for each of the framework types. Zeolites and their analogs are used as desiccants, as water softeners, as shape-selective acid catalysts, as molecular sieves, as concentrators of radioactive isotopes, as blood clotting agents, and even as additives to animal feeds. Recently, their suitability as hosts for nanometer spacing of atomic clusters has also been demonstrated. These diverse applications are a reflection of the fascinating structures of these microporous materials. Each time a new zeolite framework structure is reported, it is examined by the Structure Commission of the International Zeolite Association (IZA-SC), and if it is found to be unique and to conform to the IZA-SC's definition of a zeolite, it is assigned a 3-letter framework type code. This code is part of the official IUPAC nomenclature for microporous materials. The Atlas of Zeolite Framework Types is essentially a compilation of data for each of these confirmed framework types. These data include a stereo drawing showing the framework connectivity, features that characterize the idealized framework

structure, a list of materials with this framework type, information on the type material that was used to establish the framework type, and stereo drawings of the pore openings of the type material. * Clear stereo drawings of each of the framework types * Description of the features of the framework type, allowing readers to quickly see if the framework type is suitable to their needs * References to isotypic materials, readers can quickly identify related materials and consult the appropriate reference

Soviet Physics- 1986

Measurement in Nursing and Health Research-Dr. Carolyn F. Waltz, PhD, RN, FAAN 2010-04-17

Designated a Doody's Core Title! "This is a valuable resource for readers seeking basic to advanced information on measurement. It should be on the bookshelf of all researchers, and a requirement for graduate nursing students."Score: 100, 5 stars--Doody's Medical Reviews "...this book is a wonderful shelf reference for nurse researcher mentors and investigators who may need to explore content or use content to design, test, select, and evaluate instruments and methods used in measuring nurse concepts and outcomes."--Clinical Nurse Specialist This fourth edition presents everything nurses and health researchers need to know about designing, testing, selecting, and evaluating instruments and methods for measuring in nursing. Thoroughly updated, this fourth edition now contains only the latest, most cutting-edge measurement instruments that have direct applicability for nurses and health researchers in a variety of roles, including

students, clinicians, educators, researchers, administrators, and consultants. Using clear and accessible language, the authors explain in detail, and illustrate by example, how to conduct sound measurement practices that have been adequately tested for reliability and validity. This edition is enriched with topics on the leading edge of nursing and health care research, such as measurement in the digital world, biomedical instrumentation, new clinical data collection methods, and methods for measuring quality of care. Key features: Provides new and emerging strategies for testing the validity of specific measures Discusses computer-based testing: the use of Internet research and data collection Investigates methods for measuring physiological variables using biomedical instrumentation Includes information on measurement practices in clinical research, focusing on clinical data collection methods, such as clinimetrics Identifies the challenges of measuring quality of care and how to address them

Nuclear Science Abstracts-1976-06

Energy Research Abstracts-1989

Field Book for Describing and Sampling Soils- 1998

Chemistry of Pseudohalides-Andrej M. Golub 1986

Recycling of Lithium-Ion Batteries-Arno Kwade 2017-12-12

This book addresses recycling technologies for many of the valuable and scarce materials from spent lithium-ion batteries. A successful transition to electric mobility will result

in large volumes of these. The book discusses engineering issues in the entire process chain from disassembly over mechanical conditioning to chemical treatment. A framework for environmental and economic evaluation is presented and recommendations for researchers as well as for potential operators are derived.

Transition Metal Oxides for Electrochemical Energy Storage-Jagjit Nanda 2022-04-19

Transition Metal Oxides for Electrochemical Energy Storage Explore this authoritative handbook on transition metal oxides for energy storage Metal oxides have become one of the most important classes of materials in energy storage and conversion. They continue to have tremendous potential for research into new materials and devices in a wide variety of fields. Transition Metal Oxides for Electrochemical Energy Storage delivers an insightful, concise, and focused exploration of the science and applications of metal oxides in intercalation-based batteries, solid electrolytes for ionic conduction, pseudocapacitive charge storage, transport and 3D architectures and interfacial phenomena and defects. The book serves as a one-stop reference for materials researchers seeking foundational and applied knowledge of the titled material classes. Transition Metal Oxides offers readers in-depth information covering electrochemistry, morphology, and both in situ and in operando characterization. It also provides novel approaches to transition metal oxide-enabled energy storage, like interface engineering and three-dimensional nanoarchitectures. Readers

will also benefit from the inclusion of: A thorough introduction to the landscape and solid-state chemistry of transition metal oxides for energy storage An exploration of electrochemical energy storage mechanisms in transition metal oxides, including intercalation, pseudocapacitance, and conversion Practical discussions of the electrochemistry of transition metal oxides, including oxide/electrolyte interfaces and energy storage in aqueous electrolytes An examination of the characterization of transition metal oxides for energy storage Perfect for materials scientists, electrochemists, inorganic chemists, and applied physicists, Transition Metal Oxides for Electrochemical Energy Storage will also earn a place in the libraries of engineers in power technology and professions working in the electrotechnical industry seeking a one-stop reference on transition metal oxides for energy storage.

Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two-National Academies of Sciences, Engineering, and Medicine 2020-06-15

Medium- and heavy-duty trucks, motor coaches, and transit buses - collectively, "medium- and heavy-duty vehicles", or MHDVs - are used in every sector of the economy. The fuel consumption and greenhouse gas emissions of MHDVs have become a focus of legislative and regulatory action in the past few years. This study is a follow-on to the National Research Council's 2010 report, Technologies and Approaches to Reducing the Fuel Consumption of Medium-and Heavy-Duty Vehicles. That report

provided a series of findings and recommendations on the development of regulations for reducing fuel consumption of MHDVs. On September 15, 2011, NHTSA and EPA finalized joint Phase I rules to establish a comprehensive Heavy-Duty National Program to reduce greenhouse gas emissions and fuel consumption for on-road medium- and heavy-duty vehicles. As NHTSA and EPA began working on a second round of standards, the National Academies issued another report, Reducing the Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two: First Report, providing recommendations for the Phase II standards. This third and final report focuses on a possible third phase of regulations to be promulgated by these agencies in the next decade.

Endocrine Disrupters and Metabolism-Yann Gibert 2020-01-20

The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5)-L.R. Morss 2007-12-31

The Chemistry of the Actinide and Transactinide Elements is a contemporary and definitive compilation of chemical properties of all of the actinide elements, especially of the technologically important elements uranium and plutonium, as well as the transactinide elements. In addition to the comprehensive treatment of the chemical properties of each element, ion, and compound from atomic number 89 (actinium) through to 109 (meitnerium), this multi-volume work has specialized and definitive chapters on electronic theory, optical and laser fluorescence spectroscopy,

X-ray absorption spectroscopy, organoactinide chemistry, thermodynamics, magnetic properties, the metals, coordination chemistry, separations, and trace analysis. Several chapters deal with environmental science, safe handling, and biological interactions of the actinide elements. The Editors invited teams of authors, who are active practitioners and recognized experts in their specialty, to write each chapter and have endeavoured to provide a balanced and insightful treatment of these fascinating elements at the frontier of the periodic table. Because the field has expanded with new spectroscopic techniques and environmental focus, the work encompasses five volumes, each of which groups chapters on related topics. All chapters represent the current state of research in the chemistry of these elements and related fields.

Lead-Acid Batteries for Future Automobiles-Jürgen Garche 2017-02-21

Lead-Acid Batteries for Future Automobiles provides an overview on the innovations that were recently introduced in automotive lead-acid batteries and other aspects of current research. Innovative concepts are presented, some of which aim to make lead-acid technology a candidate for higher levels of powertrain hybridization, namely 48-volt mild or high-volt full hybrids. Lead-acid batteries continue to dominate the market as storage devices for automotive starting and power supply systems, but are facing competition from alternative storage technologies and being challenged by new application requirements, particularly related to new electric vehicle functions and powertrain

electrification. Presents an overview of development trends for future automobiles and the demands that they place on the battery Describes how to adapt LABs for use in micro and mild hybrid EVs via collector construction and materials, via carbon additives, via new cell construction (bipolar), and via LAB hybrids with Li-ion and supercap systems System integration of LABs into vehicle power-supply and hybridization concepts Short description of competitive battery technologies

Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles-National Research Council 2015-09-28

The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas emission standards. By the end of the next decade, cars and light-duty trucks will be more fuel efficient, weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be

more effective than others? Written to inform The United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles estimates the cost, potential efficiency improvements, and barriers to commercial deployment of technologies that might be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

Government Reports Announcements & Index-1992

Production and Use of Short-lived Radioisotopes from Reactors; Proceedings-Seminar on the Practical Applications of Short-Lived Radioisotopes Produced in Small Research Reactors 1963

Microbicides for the Protection of Materials-W. Paulus 2012-12-06

This book is chiefly intended for those who are using microbicides for the protection of materials. Another purpose is to inform teachers and students working on biodeterioration and to show today's technical standard to those engaged

in R&D activities in the microbicide field. When trying to classify, or to subclassify, material-protecting microbicides according to their mode of action, e.g. as membrane-active and electrophilic active ingredients, it turned out that a clear assignment was not always possible. For that reason the author has resorted to chemistry's principle of classifying according to groups of substances (e.g. alcohols, aldehydes, ketones, acids, esters, amides, etc.), thus providing the first necessary information about the micro bicides' properties. The description of the various groups of substances includes, whenever possible, an outline of the mode and mechanism of action of the active ingredients involved. The effective use of microbicides presupposes knowledge of their character istics. That is why the microbicides' chemico-physical properties, their toxicity, ecotoxicity, effectiveness, and effective spectrum are described in greater detail. As mentioned before, the characteristics of microbicides play an important role. They have to be suited to the intended application to avoid detrimental effects on the properties and the quality of the material to be protected; also production processes in which microbicides are used to avoid disturbances by microbial action must not be disturbed by the presence of those microbicides.

Advanced Electrode Materials-Ashutosh Tiwari 2016-11-14

This book covers the recent advances in electrode materials and their novel applications at the cross-section of advanced materials. The book is divided into two sections: State-of-the-art electrode

materials; and engineering of applied electrode materials. The chapters deal with electrocatalysis for energy conversion in view of bionanotechnology; surfactant-free materials and polyoxometalates through the concepts of biosensors to renewable energy applications; mesoporous carbon, diamond, conducting polymers and tungsten oxide/conducting polymer-based electrodes and hybrid systems. Numerous approaches are reviewed for lithium batteries, fuel cells, the design and construction of anode for microbial fuel cells including phosphate polyanion electrodes, electrocatalytic materials, fuel cell reactions, conducting polymer based hybrid nanocomposites and advanced nanomaterials.

Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States-United States. Bureau of the Census 2009