

2001 Am General Hummer Battery

Membranes play an enormous role in our life. Biological cell membranes control the fluxes of substances in and out of cells. Artificial membranes are widely used in numerous applications including "green" separation processes in chemistry, agroindustry, biology, medicine; they are used as well in energy generation from renewable sources. They largely mimic the structure and functions of biological membranes. The similarity in the structure leads to the similarity in the properties and the approaches to study the laws governing the behavior of both biological and artificial membranes. In this book, some physico-chemical and chemico-physical aspects of the structure and behavior of biological and artificial membranes are investigated.

For a century, almost all light-duty vehicles (LDVs) have been powered by internal combustion engines operating on petroleum fuels. Energy security concerns about petroleum imports and the effect of greenhouse gas (GHG) emissions on global climate are driving interest in alternatives. Transitions to Alternative Vehicles and Fuels assesses the potential for reducing petroleum consumption and GHG emissions by 80 percent across the U.S. LDV fleet by 2050, relative to 2005. This report examines the current capability and estimated future performance and costs for each vehicle type and non-petroleum-based fuel technology as options that could significantly contribute to these goals. By analyzing scenarios that combine various fuel and vehicle pathways, the report also identifies barriers to implementation of these technologies and suggests policies to achieve the desired reductions. Several scenarios are promising, but strong, and effective policies such as research and development, subsidies, energy taxes, or regulations will be necessary to overcome barriers, such as cost and consumer choice.

Identification & values of over 20,000 collectible toys.

Small Business Sourcebook

Recycling of Lithium-Ion Batteries

F&S Index Europe Annual

The Brandweek Directory

Schroeder's Collectible Toys Antique to Modern Price Guide

Advertising expenditure data across ten media: consumer magazines, Sunday magazines, newspapers, outdoor, network television, spot television, syndicated television, cable television, network radio, and national spot radio. Lists brands alphabetically and shows total ten media expenditures, media used, parent company and PIB classification for each brand.

Also included in this report are industry class totals and rankings of the top 100 companies of the ten media.

This book seeks to involve recognized researchers in the social scientific study of health, medicine and religion, which has burgeoned across the past twenty years, toward more general theoretical development within the field, particularly with respect to the elderly and disadvantaged.

Presents technologies and key concepts to produce suitable smart materials and intelligent structures for sensing, information and communication technology, biomedical applications (drug delivery, hyperthermia therapy), self-healing, flexible memories and construction technologies. Novel developments of environmental friendly, cost-effective and scalable production processes are discussed by experts in the field.

Volume 5

Ion and Molecule Transport in Membrane Systems

Religion, Families, and Health

Car PC Hacks

Directory of Corporate Affiliations

The US-backed Kurdish YPG/SDF fought on the front line of the war against Islamic State for five years. This study reveals how they developed their own armored force using captured tanks, homebuilt armor and "technicals" and the role they played in the defeat of "Daesh". The emergence of the armored force of the YPG (People's Protection Units), later renamed the Syrian Democratic Forces during the Syrian Civil War is one of the major developments of this conflict. The YPG/SDF employed a range of vehicles against "Daesh" during 2014-19 and this study identifies, as far as possible which vehicles took part in major battles, such as Kobane, Manbij and Raqqa. While the YPG was frequently outgunned by the so-called Islamic State (ISIS), it was able to rely on United States air support after 2015. Nonetheless, AFVs formed part of the fighting units and were important in both the fighting and propaganda war. The title covers the original sources of Kurdish tanks and other armored vehicles: the T-55 tanks which the YPG employed were of Syrian Army origin, left behind in the early chaotic days of the civil war; other AFVs were captured from ISIS, and often of US Army origin, lost by the Iraqi Army following the fall of Mosul in 2014; others were constructed by the YPG themselves in workshops. These home-made tanks or infantry transporters were constructed from a variety of vehicles, including rubbish disposal lorries, diggers and other agricultural vehicles. While the tanks and homemade armor attracted Western media attention, the most useful fighting vehicles were the Kurds' technicals, or dushkas (pick-up trucks mounted with heavy-calibre weapons), fast vehicles used for fire support on a large scale.

A car PC or carputer is a car tricked-out with electronics for playing radio, music and DVD movies, connecting to the Internet, navigating and tracking with satellite, taking photos, and any electronic gadget a person wants in a car. All these devices are managed and controlled through a single screen or interface. The only place car PC enthusiasts can go for advice, tips and tools is a handful of hard-to-find Web sites--until now. Car PC Hacks is your guide into the car PC revolution. Packing MP3 players, handheld devices, computers and video-on-demand systems gives you a pile too heavy to carry. But add a car and put them together, you've got a powerful and mobile multimedia center requiring no lifting. The next time you give kids a lift, you won't hear, "Are we there yet?" Instead, expect "We're there already!" as they won't want to leave the car while playing video games from multiple consoles. Car PC Hacks is the first book available to introduce and entrench you into this hot new market. You can count on the book because it hails from O'Reilly, a trusted resource for technical books. Expect innovation, useful tools, and fun experiments that you've come to expect from O'Reilly's Hacks Series. Maybe you've hacked computers and gadgets, and now you're ready to take it to your car. If hacking is new and you would like to mix cars and computers, this book gets you started with its introduction to the basics of car electrical systems. Even when you're unclear on the difference between amps and watts, expect a clear explanation along with real-life examples to get on track. Whether you're venturing into car PC for the first time or an experienced hobbyist, hop in the book for a joy ride.

YPG/SDF Tanks, Technicals and AFVs in the Syrian Civil War, 2014-19

IQ Interactive Resources Directory 2001

Congressional Record

NLS News

Religion is a major social institution in the United States. While the scientific community has experienced a resurgence in the idea that there are important linkages between religion and family life and religion and health outcomes, this area of study is still in its early stages of development, scattered across multiple disciplines, and of uneven quality. To date, no book has featured both reviews of the literature and new empirical findings that define this area for the present and set the agenda for the twenty-first century. Religion, Families, and Health fills this void by bringing together leading social scientists who provide a theoretically rich, methodologically rigorous, and exciting glimpse into a fascinating social institution that continues to be extremely important in the lives of Americans. This second edition of the Handbook of the Sociology of Mental Health features theory-driven reviews of recent research with a comprehensive approach to the investigation of the ways in which society shapes the mental health of its members and the lives of those who have been diagnosed as having a mental illness. The award-winning Handbook is distinctive in its focus on how the organization and functioning of society influences the occurrence of mental disorder and its consequences. A core issue that runs throughout the text concerns the differential distribution of mental illness across various social strata, defined by status characteristics such as gender, race/ethnicity, socioeconomic status, and age. The contributions to this volume shed light on the social, cultural, and economic factors that explain why some social groups have an elevated risk of disorder. They also address the social repercussions of mental disorder for individuals, including stigmatization within the larger society, and for their families and social networks. The second edition of this seminal volume includes substantial updates to previous chapters, as well as seven new chapters on: -The Individual's Experience of Mental Illness.--The Medicalization of Mental Illness.--Age, Aging, and Mental Health.--Religion and Mental Health.--Mental Health and the Law--and Public Beliefs about Mental Illness.

Hummer H2Popular Science

Official Gazette of the United States Patent and Trademark Office

Popular Science

Automotive News

Electric and Hybrid Cars

Business Week

Described as "Who owns whom, the family tree of every major corporation in America," the directory is indexed by name (parent and subsidiary), geographic location, Standard Industrial Classification (SIC) Code, and corporate responsibility.

Provides an overview of the sustainable energy crisis that is threatening the world's natural resources, explaining how energy consumption is estimated and how those numbers have been skewed by various factors and discussing alternate forms of energy that can and should be used.

This report aims to assist the Air Force in its continued efforts to combat sexual assault perpetration within its ranks by examining the existing empirical literature on adult perpetrators who commit sexual assault against other adults, with a particular focus on research published in 2000 or later. The literature search focused on the current state of scientific knowledge and was not limited to studies focusing on military populations.

The Directory of U.S. Brand-name Products and Services and Their Marketing Companies

A Review of the Literature on Sexual Assault Perpetrator Characteristics and Behaviors

Principles of Project Evaluation and Programming

Proceedings and Debates of the ... Congress

Population-Based Research in the United States

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

The revised 13th edition of the essential reference for the prescribing of drugs for patients with mental health disorders. The revised and updated 13th edition of The Maudsley Prescribing Guidelines in Psychiatry provides up-to-date information, expert guidance on prescribing practice in mental health, including drug choice, treatment of adverse effects and how to augment or switch medications. The text covers a wide range of topics including pharmacological interventions for schizophrenia, bipolar disorder, depression and anxiety, and many other less common conditions. There is advice on prescribing in children and adolescents, in substance misuse and in special patient groups. This world-renowned guide has been written in concise terms by an expert team of psychiatrists and specialist pharmacists. The Guidelines help with complex prescribing problems and include information on prescribing psychotropic medications outside their licensed indications as well as potential interactions with other medications and substances such as alcohol, tobacco and caffeine. In addition, each of the book's 165 sections features a full reference list so that evidence on which guidance is based can be readily accessed. This important text: Is the world's leading clinical resource for evidence-based prescribing in day-to-day clinical practice and for formulating prescribing policy. Includes referenced information on topics such as transferring from one medication to another, prescribing psychotropic medications during pregnancy or breastfeeding, and treating patients with comorbid physical conditions, including impaired renal or hepatic function. Presents guidance on complex clinical problems that may not be encountered routinely. Written for psychiatrists, neuropharmacologists, pharmacists and clinical psychologists as well as nurses and medical trainees, The Maudsley Prescribing Guidelines in Psychiatry are the established reference source for ensuring the safe and effective use of medications for patients presenting with mental health problems.

This illustrated history chronicles electric and hybrid cars from the late 19th century to today's fuel cell and plug-in automobiles. It describes the politics, technology, marketing strategies, and environmental issues that have impacted electric and hybrid cars' research and development. The important marketing shift from a "woman's car" to "going green" is discussed. Milestone projects and technologies such as early batteries, hydrogen and bio-mass fuel cells, the upsurge of hybrid vehicles, and the various regulations and market forces that have shaped the industry are also covered.

Toward a Sociological Theory of Religion and Health

Patents

The LithoRec Way

Automobile Design Liability

The American Journal of Psychiatry

This pioneering text provides a holistic approach to decisionmaking in transportation project development and programming, which can help transportation professionals to optimize their investment choices. The authors present a proven set of methodologies for evaluating transportation projects that ensures that all costs and impacts are taken into consideration. The text's logical organization gets readers started with a solid foundation in basic principles and then progressively builds on that foundation. Topics covered include: Developing performance measures for evaluation, estimating travel demand, and costing transportation projects. Performing an economic efficiency evaluation that accounts for such factors as travel time, safety, and vehicle operating costs. Evaluating a project's impact on economic development and land use as well as its impact on society and culture. Assessing a project's environmental impact, including air quality, noise, ecology, water resources, and aesthetics. Evaluating alternative projects on the basis of multiple performance criteria. Programming transportation investments so that resources can be optimally allocated to meet facility-specific and system-wide goals. Each chapter begins with basic definitions and concepts followed by a methodology for impact assessment. Relevant legislation is discussed and available software for performing evaluations is presented. At the end of each chapter, readers are provided resources for detailed investigation of particular topics. These include Internet sites and publications of international and domestic agencies and research institutions. The authors also provide a companion Web site that offers updates, data for analysis, and case histories of project evaluation and decisionmaking. Given that billions of dollars are spent each year on transportation systems in the United States alone, and that there is a need for thorough and rational evaluation and decision making for cost-effective system preservation and improvement, this text should be on the desks of all transportation planners, engineers, and educators. With exercises in every chapter, this text is an ideal coursebook for the subject of transportation systems analysis and evaluation.

Advances in Battery Technologies for Electric Vehicles provides an in-depth look into the research being conducted on the development of more efficient batteries capable of long distance travel. The text contains an introductory section on the market for battery and hybrid electric vehicles, then thoroughly presents the latest on lithium-ion battery technology. Readers will find sections on battery pack design and management, a discussion of the infrastructure required for the creation of a battery-powered transport network, and coverage of the issues involved with end-of-life management for these types of batteries. Provides an in-depth look into new research on the development of more efficient, long distance travel batteries. Contains an introductory section on the market for battery and hybrid electric vehicles. Discusses battery pack design and management and the issues involved with end-of-life management for these types of batteries.

A guide to the information services and sources provided to 100 types of small business by associations, consultants, educational programs, franchisers, government agencies, reference works, statisticians, suppliers, trade shows, and venture capital firms.

The General radio experimenter

Sustainable Energy--without the Hot Air

Chicago Tribune Index

New Scientist

Trademarks

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.

Electric Cars - The Future is Now!

A History, 2d ed.

Tips & Tools for Geeking Your Ride

Nanoscience

Transitions to Alternative Vehicles and Fuels