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Autore	Eastwood Peter <1963->
Titolo	Particulate emissions from vehicles [[electronic resource] /] / by Peter Eastwood
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley & Sons, c2008
ISBN	1-281-31988-0 9786611319885 0-470-98651-4 0-470-98650-6
Descrizione fisica	1 online resource (513 p.)
Collana	Wiley-professional engineering publishing series
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Soggetti	Automobiles - Motors - Exhaust gas Air - Pollution 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 (p. [399]-400) and index.
Nota di contenuto	Particulate Emissions from Vehicles; Contents; Preface; Acronyms and Abbreviations; About the Author; 1 Introduction; 1.1 Air Traffic; 1.2 Motor Vehicles; 1.3 The Legislative Framework; 2 Fundamentals; 2.1 Introduction; 2.2 Properties of Aerosol Particles; 2.2.1 Diameter and Shape; 2.2.2 Size Distribution; 2.2.3 Transport and Deposition; 2.2.4 Transformation and Mutation; 2.3 Particles in the Atmosphere; 2.3.1 Character and Behaviour; 2.3.2 Aerosols in Nature; 2.3.3 Anthropogenic Aerosols; 2.3.4 Environmental Implications; 2.4 Motor Vehicle Particulate; 2.4.1 Some Typical Particles Dissected 2.4.2 What Happens Within the Engine 2.4.3 What Happens Within the Exhaust; 2.4.4 Number Versus Mass; 2.5 Closure; 2.5.1 Properties of Aerosol Particles; 2.5.2 Particles in the Atmosphere; 2.5.3 Motor Vehicle Particulate; 3 Formation I: Composition; 3.1 Introduction; 3.2 Carbonaceous Fraction: I. Classical Models; 3.2.1 Empiricisms; 3.2.2 Inception; 3.2.3 Surface Growth; 3.2.4 Agglomeration; 3.2.5 Oxidation; 3.3 Carbonaceous Fraction: II. The Combusting Plume; 3.3.1 Historical Overview; 3.3.2 Premixed Burn; 3.3.3 Mixing-controlled Burn; 3.3.4

Late Burn

3.4 Carbonaceous Fraction: III. Wall Interactions3.4.1 Theoretical; 3.4.2 Experimental; 3.5 Ash Fraction; 3.5.1 Chemical Reactions; 3.5.2 Gas-to-Particle Conversion; 3.6 Organic Fraction; 3.6.1 Preparatory Chemical Reactions; 3.6.2 Chemical Reactions in the Exhaust; 3.6.3 Gas-to-Particle Conversion: Models; 3.6.4 Gas-to-Particle Conversion: Measurements; 3.6.5 White Smoke; 3.7 Sulphate Fraction; 3.7.1 Chemical Reactions; 3.7.2 Gas-to-Particle Conversion; 3.8 Closure; 3.8.1 Carbonaceous Fraction I. Classical Models; 3.8.2 Carbonaceous Fraction II. The Combusting Plume
3.8.3 Carbonaceous Fraction III. Wall Interactions3.8.4 Ash Fraction; 3.8.5 Organic Fraction; 3.8.6 Sulphate Fraction; 4 Formation II: Location; 4.1 Introduction; 4.2 Within the Exhaust System; 4.2.1 Storage and Release; 4.2.2 Deposition Within Catalysts; 4.3 Within the Exhaust Plume; 4.3.1 Long-term Ageing in the Atmosphere; 4.4 Within the Transfer Line; 4.5 Within the Dilution Tunnel; 4.6 On the Filter; 4.7 Closure; 4.7.1 Within the Exhaust System; 4.7.2 Within the Exhaust Plume; 4.7.3 Within the Transfer Line; 4.7.4 Within the Dilution Tunnel; 4.7.5 On the Filter; 4.7.6 General Remarks
5 Measurement5.1 Introduction; 5.2 Particulate Measured Conventionally; 5.2.1 Drawing a Sample of Exhaust Gas; 5.2.2 Diluting the Exhaust; 5.2.3 Collection onto a Filter; 5.2.4 Fractionation by Gasification; 5.2.5 Fractionation by Dissolution; 5.2.6 Chemically Assaying the Organic Fraction; 5.2.7 Biologically Assaying the Organic Fraction; 5.3 Particulate Measured Individually; 5.3.1 Inertial Mobility; 5.3.2 Electrical Mobility; 5.3.3 Laser-induced Incandescence; 5.3.4 Light Scattering; 5.4 Particulate Measured Collectively; 5.4.1 Photoacousticity; 5.4.2 Photoelectric and Diffusion Charging
5.4.3 Electrical Charge

Sommario/riassunto

The public health risks posed by automotive particulate emissions are well known. Such particles are sufficiently small to reach the deepest regions of the lungs; and moreover act as carriers for many potentially toxic substances. Historically, diesel engines have been singled out in this regard, but recent research shows the need to consider particulate emissions from gasoline engines as well. Already implicated in more than one respiratory disease, the strongest evidence in recent times points to particle-mediated cardiovascular disorders (strokes and heart attacks). Accordingly, legislation

2. Record Nr.	UNINA9910785154603321
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ISBN	1-136-93593-2 1-136-93594-0 1-282-78133-2 9786612781339 0-203-84667-2
Descrizione fisica	1 online resource (271 p.)
Collana	Routledge contemporary Japan series ; ; 34
Altri autori (Persone)	GalanChristian HeinrichPatrick
Disciplina	418.0071/052
Soggetti	Second language acquisition - Japan Linguistics - Study and teaching - Japan English language - Japan Language and culture - Japan Japan Languages
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Nota di contenuto	Book Cover; Title; Copyright; Dedication; Contents; Illustrations; Contributors; Foreword; Preface; 1 Modern and late modern perspectives on language life in Japan; 2 Language rights in Japan: What are they good for?; 3 Difficulties of establishing heritage language education in Uchinaa; 4 The emerging borderless community on the local radio in Uchinaa; 5 Out of this world, in this world, or both?: The Japanese school at a threshold; 6 Japan's literacy myth and its social functions; 7 Standardization and de-standardization processes in spoken Japanese 8 Constraints on language use in public broadcasting 9 Technology and the writing system in Japan; 10 Modernity rewritten: Linguistic landscaping in Tokyo; 11 Language, power and politeness in business meetings in Japan; 12 Japanese as an international language; 13 Prospects and prerequisites for a third-way language policy in Japan;

Bibliography; Index

Sommario/riassunto

Despite its monolingual self-image, Japan is multilingual and growing more so due to indigenous minority language revitalization and as an effect of migration. Besides Japan's autochthonous languages such as the Ainu and Ryukyuan languages, there are more than 75,000 immigrant children in the Japanese public education system alone who came to Japan in the 1980s and who speak more than a hundred different languages. Added to this growing linguistic diversity, the importance of English as the language of international communication in business and science especially is hotly debated. T

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Ageing with Dignity in Hong Kong and Asia : Holistic and Humanistic Care // edited by Vincent Tin Sing Law, Ben Yuk Fai Fong

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Quality of Life in Asia, , 2211-0569 ; ; 16

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Soggetti

Sociology
Social groups
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Palliative treatment
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Sociology of Family, Youth and Aging
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Nota di contenuto

Section I Policies and development of aged care -- Chapter 1 Ageing and its impacts on healthcare and social issues -- Chapter 2 Moving towards integrated models of aged care across boundaries in Asia -- Chapter 3 Implementation of community care policy for older adults in Hong Kong -- Chapter 4 Needs of care and service gaps in primary care for older adults in Hong Kong -- Chapter 5 The social construction of "Dirty Work" for working in residential care homes for the elderly -- Chapter 6 Palliative care in selected economies in Asia: Taiwan, Singapore and Hong Kong -- Chapter 7 Vaccines for the elderly -- Chapter 8 Effectiveness of elderly health care voucher scheme and private healthcare providers in Hong Kong -- Chapter 9 Dignified ageing in place using electronic health records as a backbone: a Medico-Legal perspective -- Chapter 10 Age-Friendly city movement -- Section II Holistic and humanistic care for elderly -- Chapter 11 Monitoring elderly healthcare and social services -- Chapter 12 Longevity and ageing of world citizens -- Chapter 13 Social determinants of health and dignity -- Chapter 14 Cultural and spiritual needs of elderly in healthcare setting in Hong Kong -- Chapter 15 Enhanced Community-Based programmes for Elderly – Holistic home care -- Chapter 16 Optimal healthy eating for elderly.

Sommario/riassunto

This book advocates the application of holistic and humanistic approaches in elderly care and services to achieve the goal of ageing with dignity in Hong Kong and Asia. It responds to the needs of an increasing ageing population that has to deal with related health needs in long-term care, community health and social services, particularly for chronic conditions and psychosocial support. The book consists of three sections on policy and development of aged care, holistic and humanistic care for older adults, and capacity building for ageing with dignity, respectively. Topics include the latest initiatives in aged care, appropriate services and delivery models, lifestyle modification, psychosocial and environmental considerations, professional development, technologies, and social capital. The chapters review and discuss these issues within a global context, illustrated by examples from Asian countries, underpinned by locally based empirical research. Contributors include academics and practitioners from diversified professional backgrounds that include medicine, nursing, pharmacy, traditional Chinese medicine, dietetics, and allied health. The book traverses into territories in the social sciences, life sciences, and sports sciences, while also touching on areas of business and administration, hospitality, law, public policy, and information technology in connection with public health. The contents serve as a topical reference for tertiary studies in ageing and related disciplines such as well-being and are also useful to policymakers, community and public health practitioners, health executives and interns working in areas of policy and practice pertinent to care development, health delivery models, planning, quality, ethics, better health promotion, professional training, and monitoring for older adults.