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Titolo	Air pollution and health [[electronic resource] /] / Jon Ayres, Robert Maynard, Roy Richards [editors]
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Collana	Air pollution reviews ; ; 3
Altri autori (Persone)	AyresJ. G MaynardRob RichardsRoy
Disciplina	615.902
Soggetti	Air - Pollution - Physiological effect Particles - Physiological effect Aerosols - Physiological effect Electronic books.
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>CONTENTS ; CONTRIBUTORS ; Preface ; 1</p> <p>The Role of the Nose in Health and Disease</p> <p>; 1 Introduction ; 2 The Nose as a Defender of the Airway</p> <p>; 2.1 Filtration of Suspended Particulate Matter</p> <p>; 2.2 Humidincation of Inspired Air ; 2.3 The</p> <p>Nose as a Heat Exchanger</p> <p>2.4 Mucociliary Clearance 2.5 Innervation of the</p> <p>Nose and Nasal Reflexes ; 3 Effects of</p> <p>Pollutants on the Nose ; 3.1 Effects on</p> <p>Sensory Nerves ; 3.2 Effects on Mucociliary</p> <p>Clearance ; 3.3 Effects on Epithelial Cells</p> <p>; 3.4 Effects on Immune System ; 3.5 Rhinitis and</p> <p>Air Pollution</p> <p>4 Summary References ; 2 Cardiovascular Effects of</p> <p>Particles ; 1 Introduction ; 2</p>

Epidemiology ; 2.1 Air Pollution and Mortality
 ; 2.2 Air Pollution and Cardiovascular Mortality and Morbidity
 ; 2.3 Pollutants Implicated in Cardiovascular Health Effects
 ; 3 Potential Mechanisms
 3.1 The Inflammatory Hypothesis 3.2 The
 Autonomic Hypothesis ; 3.3 Air Pollution and
 Coronary Vasoconstriction ; 4 Future
 Experimental Research and Considerations in Exposure Studies
 ; References ; 3 Point Sources of Air Pollution - Investigation
 of Possible Health Effects Using Small Area Methods ; 1 Introduction
 ; 2 Data Sources
 2.1 Health Data 2.2 Population Data ; 2.3
 Exposure Assessment ; 2.4 Socioeconomic
 Confounding ; 3 Assessing Effects of Factory
 Emissions on the Health of Local Populations
 ; 3.1 Example of a Point Source Investigation
 ; 3.2 Cluster Investigation ; 4 Conclusions
 ; References
 4 Characterisation of Airborne Particulate Matter and Related
 Mechanisms of Toxicity: An Experimental Approach

Sommario/riassunto

This invaluable volume, the third in the series *Air Pollution Reviews*, addresses particular questions relating to air pollution and its effect on health. It deals with the impact of nasal disease on lung exposure, how pollutants are distributed within the lung, and the uncertainties with regard to defining the dose to the lung. It takes a tangential look at the lung dose by exploring the possibility of obtaining clues from occupational medicine. Toxicologically, the book examines the possible methodology for exploring how particles and their toxicity can be investigated, and looks int

2. Record Nr.	UNINA9910164029303321
Autore	Bergen Doris.
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Descrizione fisica	1 online resource (147 pages) : illustrations, tables
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Understanding the brain -- 2. Prenatal brain development as a foundation for learning -- 3. Brain development and learning in the infant and toddler years -- 4. Brain development and learning in the preschool years -- 5. Brain development and learning in the elementary years -- 6. Brain development and learning in the middle childhood years -- 7. Brain development and learning in the adolescent years -- 8. Evaluating educational practices from a brain research perspective.
Sommario/riassunto	Brain Research and Childhood Education provides teacher educators, education students (both in regular and special education programs), school psychologists, practicing teachers, and school leaders with a brief, readable distillation of the most up-to-date research on brain development and how it relates to optimum teaching practice in childhood and adolescence. This accessible reference uses cases to further illustrate how studies on brain development and various learning processes have implications for educators and psychologists as they strive to enhance children's cognitive, social, emotional, and academic learning opportunities.

