1. Record Nr. UNINA9910688337003321

Titolo	Advanced applications of hydrogen and engineering systems in the automotive industry / / edited by Luigi Cocco and Muhammad Aziz
Pubbl/distr/stampa	London : , : IntechOpen, , [2021] ©2021
Descrizione fisica	1 online resource (226 pages) : illustrations
Disciplina	629.231
Soggetti	Automobiles - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	The automobile industry is tremendously peculiar due to several strict requirements regarding functional reliability, safety standards, comfort level, high-volume production, and environmental limits. In addition, the industry is experiencing a disruptive evolution of modern vehicle research and design: electrification, connectivity, and autonomous driving. This book provides a robust overview of automotive engineering, including new proposals and the latest trends in road vehicle systems and sub-systems. Each chapter presents a rigorous analysis or a new solution in a clear and concise manner, such that professional and academic readers will appreciate both the theory dissertation and the industrial application.

2. Record Nr. UNINA9910765543303321

Autore	Di Carlo Christian
Titolo	Indoor radon : sources, transport mechanisms and influencing parameters / / Christian Di Carlo, Andrea Maiorana, Francesco Bonchicchio
Pubbl/distr/stampa	London : , : IntechOpen, , 2023
ISBN	0-85014-181-8
Descrizione fisica	1 online resource : illustrations
Disciplina	628.535
Soggetti	Radon - Measurement Radon mitigation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Indoor Radon: Sources, Transport Mechanisms and Influencing Parameters.
Sommario/riassunto	Approximately half of the public exposure to radioactivity comes from radon, which is a naturally occurring radioactive noble gas. Radon and its decay products mainly enter the human body by inhalation indoors. Exposure to radon has been reported as a leading cause of lung cancer, and several studies are currently investigating its correlation with other health effects. Radon is generated mostly by rocks, either in the soil or in building materials, that contain radium-226. The resulting radon atoms enter buildings directly due to an activity concentration gradient or indirectly via a radon carrier, either air or domestic water. This book reports a systematic review of the mathematical formulations proposed to model radon generation and transport mechanisms. It presents original complements to the formulations proposed. It also examines most of the phenomena and properties influencing radon generation and transport. The result is a comprehensive theoretical treatment of the leading processes underlying radon accumulation in closed spaces.