1. Record Nr. UNINA9910299623803321

Autore	Tan Zhongchao
Titolo	Air Pollution and Greenhouse Gases : From Basic Concepts to Engineering Applications for Air Emission Control / / by Zhongchao Tan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2014
ISBN	981-287-212-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XXVIII, 481 p. 128 illus.)
Collana	Green Energy and Technology, , 1865-3537
Disciplina	363.7392
Soggetti	Security systems Pollution Environmental engineering Biotechnology Bioremediation Security Science and Technology Environmental Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	From the Contents: Part I Fundamental Principles -- Combustion Basics -- Properties of Gaseous Pollutants -- Properties of Particles -- Separation of Gas Pollutants from Air.- Part II Engineering Designs and Applications -- Air Emissions From Actual Fuel Combustion -- Air Quality and Air Emission Monitoring -- Pre Combustion Air Emission Control -- Part III Special Topics -- Carbon Sequestration and Storage.
Sommario/riassunto	This textbook discusses engineering principles relating to air pollution and greenhouse gases (GHGs); it focuses on engineering principles and designs of related devices and equipment for air emission control for a variety of industries such as energy, chemical, and transportation industries. The book aims primarily at senior undergraduate and graduate students in mechanical, chemical and/or environmental engineering departments; it can also be used as a reference book by technical staff and design engineers who are interested in and need to have technical knowledge in air pollution and GHGs. The book is motivated by recent rapid advances in air pollution and greenhouse gas emissions and their control technologies. In addition to classic topics

	related to air pollution, this book is also featured with emerging topics related to air pollution and GHGs. It covers recent advances in engineering approaches to the reduction of GHG emissions including, but are not limited to, green energy technologies and carbon sequestration and storage. It also introduces an emerging topic in air pollution, which is referred to as Nano Air Pollution. It is a growing concern in air pollution, but largely missing in similar books, likely because of recent rapid advances in nanotechnology has outpaced the advances in nano air pollution control.

2.

Record Nr.	UNISA996678678003316
Autore	Fernandez Virginia
Titolo	Simulation and Synthesis in Medical Imaging : 10th International Workshop, SASHIMI 2025, Held in Conjunction with MICCAI 2025, Daejeon, South Korea, September 23, 2025, Proceedings
Pubbl/distr/stampa	Cham : , : Springer, , 2025 ©2026
ISBN	9783032055736
Edizione	[1st ed.]
Descrizione fisica	1 online resource (311 pages)
Collana	Lecture Notes in Computer Science Series ; ; v.16085
Altri autori (Persone)	WiesnerDavid ZuoLianrui CasamitjanaAdrià RemediosSamuel W
Disciplina	616.0754
Soggetti	COMPUTERS / Artificial Intelligence / General COMPUTERS / Business & Productivity Software / General EDUCATION / Computers & Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book constitutes the refereed proceedings of the 10th International Workshop on Simulation and Synthesis in Medical Imaging, SASHIMI 2025, held in conjunction with the 28th International conference on Medical Image Computing and Computer Assisted

Intervention, MICCAI 2025, in Daejeon, South Korea, on September 23, 2025.