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Autore	Lu Anhuai
Titolo	Introduction to environmental mineralogy / / Anhuai Lu, Yan Li, Changqiu Wang, Hongrui Ding
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-7792-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xv, 265 pages)
Altri autori (Persone)	LiYan WangChangqiu DingHongrui
Disciplina	549
Soggetti	Mineralogy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Environmental Property of Minerals-1205 -- Chapter 2 Environmental Effects of Tunnel Structure Minerals-0113 -- Chapter 3 Photoactivity of Mn Oxides on Earth’s Surface-1230 -- Chapter 4 Redox Activity of Iron Sulfide and Mn Oxide-0106 -- Chapter 5 Interaction Between Fe & Mn-Bearing Minerals and Microbes-1230 -- Chapter 6 Photocatalytic reduction effects of sphalerite and native sulfur-1213 -- Chapter 7 Photocatalytic oxidation effects of rutile-1213 -- Chapter 8 Interactions between Semiconducting Minerals and Microbes-1209 -- Chapter 9 Human Pathological Mineral Features-1213 -- Chapter 10 Infrared Effect of Minerals-0107.
Sommario/riassunto	This book focuses on the environmental property of minerals including mineralogical record of environmental changes, mineralogical influence on the environmental quality, mineralogical evaluation of the environment, mineralogical processing of environmental pollutants and interaction between minerals and microbes. Understanding of the environmental property of minerals is a good supplementary to the traditional concept of “mineral”. By demonstrating plenty of case studies with easy-to-understand figures and tables, this book introduces the environmental effects of interaction between minerals and microbes, physiological and ecological effects of biomineralization, reductive precipitation property of iron sulfide minerals, photocatalytic reduction property of sphalerite, photocatalytic oxidation property of

	rutile, tubular structure property of chrysotile, tunnel structure property of K-feldspar tetrahedron, tunnel structure property of cryptomelane octahedron, nano property of cryptomelane, crystallization property of jarosite, interaction between semiconducting minerals and microbes, pathological mineralization of human body, mineralogical processing of inorganic pollutants, mineralogical degradation of organic pollutants, mineralogical purification of smoke-type pollutants, mineralogical evaluation of soil environmental quality, mineralogical prevention and control of waste pollutants and mineralogical processing of mine tailings. The book is written for environmental mineralogist as well as postgraduates majoring in environmental science.

2.

Record Nr.	UNINA9910865295403321
Autore	Battisti Alessandra
Titolo	Greening Our Cities: Sustainable Urbanism for a Greener Future : A Culmination of Selected Research Papers from the International Conferences on Green Urbanism (GU) – 6th edition and Urban Regeneration and Sustainability (URS) – 2022 / / edited by Alessandra Battisti, Cristina Piselli, Eric J Strauss, Etleva Dobjani, Saimir Kristo
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031494956 3031494954
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (473 pages)
Collana	Advances in Science, Technology & Innovation, IEREK Interdisciplinary Series for Sustainable Development, , 2522-8722
Altri autori (Persone)	PiselliCristina StraussEric J DobjaniEtleva KristoSaimir
Disciplina	304.2
Soggetti	Sustainability Architecture Urban ecology (Biology) Environmental management Sociology, Urban Urban policy Cities, Countries, Regions Urban Ecology Environmental Management Urban Sociology Urban Policy

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Green Urbanism -- Part 2: Challenges of Urban Regeneration -- Part 3: Designing of Urban Regeneration -- Part 4: Development of Urban Regeneration -- Part 5: Preservation and Conservation.
Sommario/riassunto	This thought-provoking book takes readers on a captivating journey through the realms of green urbanism, urban regeneration, and urban design, development, and preservation, providing an exploration of innovative approaches to creating sustainable and thriving cities of the future. Discussing the pressing challenges of urban environments, this book offers practical insights for architects, urban planners, researchers, and sustainability enthusiasts. It introduces cutting-edge strategies for sustainable urban mobility, energy-efficient designs, and nature-based solutions implementation while showcasing case studies and comprehensive analyses that shed light on the complexities of urban regeneration. Moreover, this volume uncovers the importance of preserving cultural heritage and its role in shaping vibrant communities. With its informative and engaging narrative, this book equips readers with valuable knowledge to make a positive impact on their urban surroundings. It deepens their understanding of urban challenges and illuminates ways they can contribute to transforming our cities toward a more sustainable and vibrant future.