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Titolo	Indoor and Outdoor Nanoparticles [[electronic resource]] : Determinants of Release and Exposure Scenarios // edited by Mar Viana
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Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVI, 236 p. 62 illus., 42 illus. in color.)
Collana	The Handbook of Environmental Chemistry, , 1867-979X ; ; 48
Disciplina	363.7392
Soggetti	Environmental chemistry Air pollution Nanochemistry Ecotoxicology Nanotechnology Environmental Chemistry Atmospheric Protection/Air Quality Control/Air Pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Dosimetry and toxicology of nano-sized particles and fibres -- Measurement Methods for Nanoparticles in Indoor and Outdoor Air -- Exposure Assessment --Methods -- Occupational Release of Engineered Nanoparticles: A Review -- Nanoparticle Release in Indoor Workplaces: Emission Sources, Release Determinants, and Release Categories Based on Workplace Measurements -- Nanoparticles release from nano-enabled products -- Workplace exposure to process-generated ultrafine and nanoparticles in ceramic processes using laser technology -- Quantitative Modelling of occupational exposure to airborne nanoparticles -- The flows of engineered nanomaterials from production, use and disposal to the environment.
Sommario/riassunto	This volume provides an overview of the determinants of the release of and exposure to airborne nanoparticles. Whether intentionally manufactured or unintentionally generated during industrial processes, the release of nanoparticles can result in significant worker exposure,

which must be dealt with adequately by means of dedicated risk assessments to ensure workplace health and safety. The book extensively discusses a number of measurement and modelling strategies available for this purpose. It also reviews the health hazardous potential of nano-sized particles and fibres, and follows the flow of engineered nanomaterials from production and use to disposal and the environment. It appeals to a wide readership, from specialists already working in the field to newcomers aiming to gain insights into this topic. .
