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Nota di contenuto	Frontmatter -- Preface -- Contents -- List of Contributors -- 1. Noncatalytic and catalytic oxidation of organic pollutants in wastewater by air -- 2. Catalytic oxidation of volatile organic compounds -- 3. Functional catalysts for catalytic removal of formaldehyde from air -- 4. Recent advances in catalytic oxidation of NO to NO ₂ -- 5. Selective catalytic reduction of nitrogen oxides by NH ₃ -- 6. Photocatalytic removal of gaseous elemental mercury -- 7. Recovery of valuable metals from e-waste via applications of nanomaterials -- Index
Sommario/riassunto	Environmental Functional Nanomaterials covers the molecular structure and properties of nanomaterials used to remove refractory pollutants from industrial wastewaters and the environment with high efficiency. Insights into the innovations in the production of these new nanomaterials are provided. This book is ideal for career starters and students of materials science, environmental science, and chemistry.