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Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Foreword -- Preface -- Chapter 1: Stress Corrosion Behavior of High-manganese Steel in Polluted Marine Atmospheric Environments -- 1.1 Introduction -- 1.2 Early-stage Corrosion Initiation Behaviors of Composite Inclusions in High-manganese Steel -- 1.2.1 Materials and Methods -- 1.2.1.1 Materials and Solutions -- 1.2.1.2 Material Microstructure Characterization -- 1.2.1.3 Electrochemical Testing -- 1.2.1.4 Microcellular Surface Potential Measurements -- 1.2.1.5 In-situ Immersion Test for Inclusions -- 1.2.2 Physicochemical Properties and Localized Corrosion Behavior -- 1.2.2.1 Physicochemical Properties of High-manganese Steel -- 1.2.2.2 Typical Inclusions Morphology and Micro-zone Electrochemistry in High-manganese Steel -- 1.2.2.3

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5.3.4.1 Corrosion Resistances of Three Materials Under the
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Sommario/riassunto

Bridges corrosion science and artificial intelligence to advance durable,
high-performance marine steels Understanding and controlling the
corrosion of steels in marine environments is a critical challenge for
modern engineering, with far-reaching implications for safety,
durability, and sustainability.

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