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Nota di contenuto	Front Cover; About the Cover; Contents; Preface; Introduction; Chapter 1: Photonic Structures in the Animal Kingdom: Valuable Inspirations for Biomimetic Applications; Chapter 2: Anti-Reflecting Nanostructures; Chapter 3: Plasma-Processed Biomimetic Nano- and Micro-Structures; Chapter 4: Wetting Properties of Natural and Plasma-Processed Biomimetic Surfaces; Chapter 5: Biomimetic Superhydrophobic Surface Fabrication by Plasma Processing; Chapter 6: Biomimetic Interfaces of Plasma-Modified Titanium Alloy
Sommario/riassunto	Plasma-processed biomimetic structures are an extremely focused and small subset of biomimetics. Although other methods can also be adopted, experimental synthesis of biomimetic structures mainly focuses on plasma processing. This book deals with the theoretical description of photonic structures available in nature, and the physics and applications of biomimetic structures prepared in the laboratory. It discusses anti-reflection properties of moth eye- or cicada wing-type nanostructured materials on semiconductor surfaces, with emphasis on plasma fabrication procedures. It also explains, with

