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Autore	Procopius : Caesariensis
Titolo	Opera omnia / Procopius Caesarensis ; recognovit Jacobus Haury
Pubbl/distr/stampa	Leipzig, : Teubneri, 1905-1913
Descrizione fisica	3 v. ; cm Vol. 1.: De Bellis (Libri I-IV) Vol. 2.: De Bellis (Libri V-VIII) Vol. 3,1.: Historia quae dicitur arcana Vol. 3,2.: Perì ktismàton
Lingua di pubblicazione	Latino
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Autore	Bhushan Bharat
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Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-28284-0
Edizione	[2nd ed. 2016.]
Descrizione fisica	1 online resource (607 p.)
Collana	Biological and Medical Physics, Biomedical Engineering, , 1618-7210
Disciplina	574.011
Soggetti	Biophysics Nanotechnology Surfaces (Physics) Interfaces (Physical sciences) Thin films Tribology Corrosion and anti-corrosives Coatings Materials—Surfaces Biological and Medical Physics, Biophysics Surface and Interface Science, Thin Films Tribology, Corrosion and Coatings Surfaces and Interfaces, Thin Films
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Roughness-Induced Superomniphobic Surfaces: Lessons from Nature -- Modeling of Contact Angle for a Liquid in Contact with a Rough Surface -- Lotus Effect Surfaces in Nature -- Fabrication Techniques used for Structures with Superhydrophobicity, Self-Cleaning, Low Adhesion/Low Drag with Antifouling Properties -- Fabrication and Characterization of Micro-, Nano- and Hierarchical Structured Surfaces -- Fabrication and Characterization of Micropatterned Structures Inspired by Salvinia Molesta -- Characterization of Rose Petals and Fabrication and Characterization of Superhydrophobic Surfaces with High and Low Adhesion -- Modeling, Fabrication and Characterization of Oleophobic/philic Surfaces -- Shark-Skin Surface for Fluid-Drag Reduction in Turbulent Flow -- Gecko Adhesion -- Outlook.
Sommario/riassunto	This revised, updated and expanded new edition presents an overview of biomimetics and biologically inspired structured surfaces. It deals with various examples of biomimetics which include surfaces with roughness-induced superomniphobicity, self-cleaning, antifouling, and controlled adhesion. The focus in the book is on the Lotus Effect, Salvinia Effect, Rose Petal Effect, Oleophobic/philic Surfaces, Shark Skin Effect, and Gecko Adhesion. This new edition also contains new chapters on the butterfly wing effect, bio- and inorganic fouling and structure and Properties of Nacre and structural coloration.