1. Record Nr. UNINA9910808901103321

Titolo	Biobased and environmental benign coatings / / edited by Atul Tiwari, Anthony Galanis, and Mark D. Soucek
Pubbl/distr/stampa	Salem, Massachusetts : , : Scrivener Publishing Hoboken, New Jersey : , : John Wiley & Sons, , [2016] ©2016
ISBN	1-5231-1129-1 1-119-18505-X 1-119-18510-6
Descrizione fisica	1 online resource (406 p.)
Collana	Materials Degradation and Failure
Disciplina	667/.9
Soggetti	Coatings Coatings - Environmental aspects
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 and index.
Nota di contenuto	Half Title page; Title page; Copyright page; Preface; Chapter 1: Novel Biobased Polymers for Coating Applications; 1.1 Introduction; 1.2 Polymers Based on Plant Oils; 1.3 Polymers Based on Cardanol; 1.4 Polymers Based on Eugenol; 1.5 Conclusion; Acknowledgments; Disclaimer; References; Chapter 2: Deposition of Environmentally Compliant Cerium-Containing Coatings and Primers on Copper-Containing Aluminium Aircraft Alloys; 2.1 Importance and Indispensability of the Corrosion-Protective Coating Layers; 2.2 Introduction to the Cerium Conversion Primer Layers 2.3 Elaboration of Hybrid and Composite Upper and Finishing Coating LayersAcknowledgment; References; Chapter 3: Ferrites as Non-Toxic Pigments for Eco-Friendly Corrosion Protection Coatings; 3.1 Introduction; 3.2 Crystalline Structure, Physicochemical Properties, and Inhibition Mechanism of Ferrites; 3.3 Methods for the Preparation of Ferrites; 3.4 Novel Types of Ferrite Pigments; 3.5 Ferrite-Based Multifunctional Coatings; 3.6 Conclusion; Acknowledgement; References; Chapter 4: Application of Edible Coatings on Fruits and Vegetables; 4.1 Introduction; 4.2 Coatings versus Films