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Titolo	Layered clay materials for functional applications : special topic volume with invited peer reviewed papers only / / edited by Trilochan Mishra and Nigamananda Das
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Altri autori (Persone)	MishraTrilochan DasNigamananda <1969->
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Nota di contenuto	Layered Clay Materials for Functional Applications; Preface; Table of Contents; Hydrotalcites as Catalysts and Catalysts Precursors for the Synthesis of Biodiesel; Additives for Solid Polymer Electrolytes: The Layered Nanoparticles; Adsorption of Acid Dyes on Hydrotalcite-Like Anionic Clays; Pillared Clay as an Effective Catalyst for Low Temperature VOCs Decomposition; Recent Development in Clay Based Functional Coating for Corrosion Protection; The Layered Silicate, Montmorillonite (MMT) as a Drug Delivery Carrier; Drug Delivery Using Nanosized Layered Double Hydroxide, an Anionic Clay Progress in One-Pot Synthesis of Methyl Isobutyl Ketone Using Multifunctional Layered Based CatalystsLayered Clay Rubber Composites; Keywords Index; Authors Index
Sommario/riassunto	This special topic volume is a result from the contributions of twenty five experts from the international scientific community in their respective field of research. The volume focuses the use of clay based layered materials for different functional applications ranging from catalysis, biomaterials to self-healing coatings. It gives a comprehensive picture of the possible applications and future developments of clay materials. It provide in depth discussion by the

researchers with respect to chemical intercalation, drug delivery, environmental, and engineering applications. All together the v