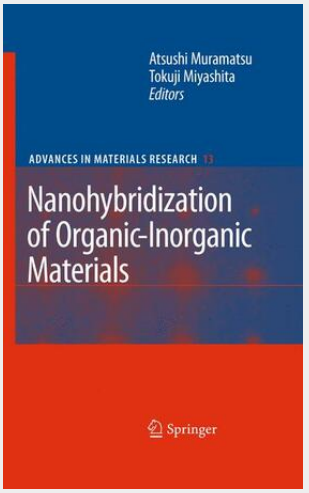
Miyashita / Muramatsu

Nanohybridization of Organic-Inorganic Materials



Synthesis and application of nanoparticles have been often reported by researchers in material science, chemistry and physics. While nanoparticles themselves are well known to exhibit fascinating characteristics. interest in their improvement and promotion is now turning to the hybridization of organic and/or inorganic nano-materials. Although nano-level hybridization is an outstandingly novel and original technique, it encounters many difficulties to achieving the desired industrial application. To thoroughly review the research in this field, this book focuses on the synthesis, characterization and process of nano-hybrid materials, including nanoparticles and ultra-thin films. It elucidates the fundamental aspects of nano-hybrid materials in the synthesis procedure, characterization, and processes with selected examples, from both the basic science and the engineering appications points of view. In fact, this is the first comprehensive compilation of new advances that covers the current status and topics of new synthetic information of nano-hybrid materials composed of organic and/or inorganic materials at the nano-meter level, in one volume. As such, the book provides a unique source of information and guidance for specialists and non-specialists alike.

Synthesis and application of nanoparticles have been often reported by researchers in material science, chemistry and physics. While nanoparticles themselves are well known to exhibit fascinating characteristics. interest in their improvement and promotion is now turning to the hybridization of organic and/or inorganic nano-materials. Although nano-level hybridization is an outstandingly novel and original technique, it encounters many difficulties to achieving the desired industrial application. To thoroughly review the research in this field, this book focuses on the synthesis, characterization and process of nano-hybrid materials, including nanoparticles and ultra-thin films. It elucidates the fundamental aspects of nano-hybrid materials in the synthesis procedure, characterization, and processes with selected examples, from both the basic science and the engineering appications points of view. In fact, this is the first comprehensive compilation of new advances that covers the current status and topics of new synthetic information of nano-hybrid materials composed of organic and/or inorganic materials at the nano-meter level, in one volume. As such, the book provides a unique source of information and guidance for specialists and non-specialists alike.

160,49 €
149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783642261527
Medium: Buch
ISBN: 978-3-642-26152-7
Verlag: Springer
Erscheinungstermin: 14.03.2012
Sprache(n): Englisch
Auflage: 2009
Serie: Advances in Materials Research
Produktform: Kartoniert
Gewicht: 464 g
Seiten: 288
Format (B x H): 155 x 235 mm

Kundenservice Fachmedien Otto Schmidt
Neumannstraße 10, 40235 Düsseldorf | kundenservice@fachmedien.de | 0800 000-1637 (Inland)