

1. Record Nr.	UNINA9910787967803321
Titolo	Materials science and engineering
Pubbl/distr/stampa	Toronto : , : Apple Academic Press Boca Raton, FL : , : CRC Press, , [2014] ©2014
ISBN	1-77463-091-5 0-429-15794-0 1-77188-009-0
Descrizione fisica	1 online resource (382 p.)
Disciplina	620.11
Soggetti	Materials science
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.
Nota di contenuto	Front Cover; About The Editors; Contents; List Of Contributors; List Of Abbreviations; List Of Symbols; Preface; Chapter 1 Theoretical And An Experimental Research Of Efficiency Of Gas Purification In Rotoklon With Internal Circulation Of A Liquid; Chapter 2 Lecture Note On Quantum- Chemical Mechanism And Synthesis Of Selected Compounds; Chapter 3 Transport Properties Of Films Of .hitosan- Amikacin; Chapter 4 Research And Calculation Of Operating Conditions Of Clearing Of Gas In A Rotoklon Chapter 5 The Effect Of The Modification Of Silica- Gelatin Hybrid Systems On The Properties Of Some Paper ProductsChapter 6 An Influence Of A Size And Of The Size Distribution Of Silver Nanoparticles On Their Surface Plasmon Resonance; Chapter 7 An Influence Of The Kinetic Parameters Of The Reaction On A Size Of Obtained Nanoparticles At The Reduction Of Silver Ions By Hydrazine; Chapter 8 Kinetics And Mechanism Of Interaction Between Ozone And Rubbers; Chapter 9 The Intercommunication Of Fractal Analysis And Polymeric Cluster Medium Model Chapter 10 Polymers As Natural Composites: Structure And PropertiesChapter 11 A Lecture Note On Cluster Model Of Polymers Amorphous State Structure; Chapter 12 Lecture Notes On Quantum

Chemical Calculation; Chapter 13 Research Methodologies On Physicochemical Properties And Structure Of Graphitic Carbons; Chapter 14 The Effect Of Antioxidant Compounds On Oxidative Stress In Unicellular Aquatic Organisms; Chapter 15 A Lecture Note On Determination Of Acid Force Of Components Of Synthesis Of 1-[ 2-( . - Acetylmethyl)- 3- . - Acetyl- 2- Ethyl]- Methylchlorinephosphite Chapter 16 Research Methodology On Design And Synthesis Of Hydrogel- Based SupportsBack Cover

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#### Sommario/riassunto

This book has an important role in advancing non-classical materials on the macro and nanoscale. The book provides original, theoretical, and important experimental results. Some research uses non-routine methodologies often unfamiliar to some readers. Furthermore, papers on novel applications of more familiar experimental techniques and analyses of composite problems are included. This book brings together research contributions from eminent experts on subjects that have gained prominence in material and chemical engineering and science. It presents the last developments along with

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