

1. Record Nr.	UNINA9910373898403321
Titolo	Emerging Research in Science and Engineering Based on Advanced Experimental and Computational Strategies // edited by Felipe de Almeida La Porta, Carlton A. Taft
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer , , 2020
ISBN	3-030-31403-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (IX, 530 p.)
Collana	Engineering Materials, , 1612-1317
Disciplina	620.5 620.115
Soggetti	Engineering—Materials Optical materials Electronics - Materials Materials science Force and energy Materials Engineering Optical and Electronic Materials Energy Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Magnetic properties of conducting polymers -- 2. Revised Fundamental Properties and Crystal Engineering of Spinel Ferrite Nanoparticles -- 3. Emerging biomaterials platforms for micro-nanomotor fabrication -- 4. Cement composites with the incorporation of rice husk ash -- 5. Design and Applications in catalytic processes of zeolites synthesized by the hydrothermal method.
Sommario/riassunto	In this book, the authors discuss some of the main challenges and new opportunities in science and engineering research, which involve combining computational and experimental approaches as a promising strategy for arriving at new insights into composition–structure–property relations, even at the nanoscale. From a practical standpoint, the authors show that significant improvements in the material/biomolecular foresight by design, including a fundamental

understanding of their physical and chemical properties, are vital and will undoubtedly help us to reach a new technological level in the future. .
