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Nota di contenuto	Multi-Functional Nanomaterials and their Emerging Applications; Preface; Table of Contents; Multifunctional Nanostructures: Synthesis and Applications; A Review on Application of Multifunctional Mesoporous Nanoparticles in Controlled Release of Drug Delivery; Emerging Applications of Nanoscience; Modeling and Simulation of Plasmonic Nanoparticles Using Finite-Difference Time-Domain Method: A Review; Design and Development of Ferrite Composite Film Electrode for Photoelectrochemical Energy Application Synthesis, Surface Acidity and Photocatalytic Activity of WO3/TiO2 Nanocomposites - An OverviewChitosan Based Nanocomposite Materials as Photocatalyst - A Review; Effect of Substrate Temperature on the Structural and Electrochromic Properties of Mo Doped WO3 Thin Films; Electroreduction of Oxygen Using Platinum Nanoparticles Supported on Carbon/Conductive Bipolymeric Nanocomposite Film for Polymer Electrolyte Membrane Fuel Cells; Cadmium Zinc Sulphide Nanoparticles as Sensing Material for Microcontroller Based Ammonia Sensor: Pilot Study

	Electrochemical Impedance Spectroscopic Study of Anatase TiO2 NanoparticleQuenching of Silver Nanoparticles; Structural, Morphological, Vibrational and Electrical Studies on Zn Doped Nanocrystalline LiNiPO4; Structural, Electrical and Dielectric Properties of DC Reactive Magnetron Sputtered ZrO2 Films for Metal-Oxide-Semiconductor Devices; Keywords Index; Authors Index
Sommario/riassunto	The multi-functional properties of nanomaterials offer a wide range of opportunities for addressing several research and development challenges in the area of nanoscience and nanotechnology. Multi-functional nanomaterials find wide application in a variety of sectors including agriculture, medicine, telecommunications, disaster management and environmental conservation.The focus of this special topic volume is on multifunctional nanomaterial development and their emerging applications towards commercialization. This special topic illustrates a new pathway to achieve novel practical application