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Note generali	Includes index.
Nota di contenuto	3D-Printed Sensor Array of Semiconducting Oxides -- Broad-band Spectroscopy of Nanoconfined Water Molecules -- Superconductivity and Weak Ferromagnetism in Inclination Bicrystal Interfaces of Bismuth and Antimony -- Unusual Size Dependence of Acoustic Properties in Layered Nanostructures -- Features of Radiative Recombination of Iron-doped Gallium Antimonide -- Change in Microstructure and Magnetic Properties of Transition Metal Nitride Thin Films by Substrate Temperature -- Structural and Photoluminescence Properties of Nanoparticles Formed by Laser Ablation of Porous Silicon in Ethanol and Liquid Nitrogen -- Quantum Interferences with Equidistant Three-level Quantum Wells -- Surface Modification of PVDF Copolymer Nanofiber by Chitosan/Ag(NP)/Nanosilica Composite -- Silanized Citric

## Acid Capped Magnetic Nanoparticles and Influence on Chlorophyll -- Hydrogels Based on Collagen and Dextran for Bioartificial Tissues.

### Sommario/riassunto

This book gathers the proceedings of the 4th International Conference on Nanotechnologies and Biomedical Engineering, held on September 18-21, 2019, in Chisinau, Republic of Moldova. It continues the tradition of the previous conference proceedings, thus reporting on both fundamental and applied research at the interface between nanotechnologies and biomedical engineering. Topics include: developments in bio-micro/nanotechnologies and devices; biomedical signal processing; biomedical imaging; biomaterials for biomedical applications; biomimetics; bioinformatics and e-health, and advances in a number of related areas. The book offers a timely snapshot of cutting-edge, multidisciplinary research and developments in the field of biomedical and nano-engineering. .