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| Titolo                  | Horizons in clinical nanomedicine // edited by Varvara Karagkiozaki, Stergios Logothetidis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Descrizione fisica      | 1 online resource (364 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 610.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Soggetti                | Nanomedicine<br>Nanostructured materials - Toxicology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Note generali           | Description based upon print version of record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Nota di contenuto       | Front Cover; Contents; Preface; Chapter 1: Introduction in Clinical Nanomedicine; Chapter 2: Nanomedicine Combats Atherosclerosis; Chapter 3: Nanomedicine Advancements in Cancer Diagnosis and Treatment; Chapter 4: Nanomedicine and Blood Diseases; Chapter 5: Nanomedicine and Orthopaedics; Chapter 6: Nanopharmaceutics: Structural Design of Cationic Gemini Surfactant-Phospholipid-DNA Nanoparticles for Gene Delivery; Chapter 7: Nanomedicine and Embryology: Causative Embryotoxic Agents Which Can Pass the Placenta Barrier and Induce Birth Defects; Chapter 8: Nanomedicine and HIV/AIDS<br>Chapter 9: Nanoscaffolds and Other Nano-Architectures for Tissue Engineering-Related Applications<br>Chapter 10: Biocompatible 2D and 3D Polymeric Scaffolds for Medical Devices; Chapter 11: Regenerative Dentistry: Stem Cells Meet Nanotechnology; Chapter 12: Toxicity and Genotoxicity of Metal and Metal Oxide Nanomaterials: A General Introduction; Chapter 13: Analogies in the Adverse Immune Effects of Wear Particles, Environmental Particles, and Medicinal Nanoparticles |
| Sommario/riassunto      | Nanomedicine-the application of nanotechnology to health sciences- has the potential to address many important medical problems by exploiting the advanced physicochemical characteristics of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

nanostructured materials and devices. It can revolutionize conventional medicine by offering cutting-edge developments in the processes of diagnosing, treating, and preventing diseases, injuries, or genetic disorders. Thus, clinical nanomedicine holds promise to preserve and improve human health. This book provides a comprehensive overview on the forefront developments of nanotechnology in various domains of

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