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| ISBN                    | 1-4557-3129-3<br>1-283-86848-2  |
| Edizione                | [1st ed.]   |
| Descrizione fisica      | 1 online resource (542 p.)  |
| Collana                 | Micro & nano technologies series  |
| Altri autori (Persone)  | SubramaniKarthikeyan<br>AhmedWaqar<br>HartsfieldJames K., Jr.   |
| Disciplina              | 617.6<br>617.700284   |
| Soggetti                | Nanotechnology<br>Nanostructured materials<br>Biomedical engineering<br>Dentistry<br>Electronic books.  |
| 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 and index.  |
| Nota di contenuto       | section 1. Introduction -- section 2. Nanoscale materials and their applications in dental biomaterials -- section 3. Nanobiomaterials in preventive and restorative dentistry -- section 4. Nanobiomaterials in orthodontics -- section 5. Nanobiomaterials in prosthodontics -- section 6. Nanobiomaterials in periodontics, implant dentistry, and dental tissue engineering -- section 7. Nanobiomaterials in endodontics -- section 8. Salivary diagnostics and nanoparticles as dental drug delivery systems and their biocompatibility/toxicity. |
| Sommario/riassunto      | New nanomaterials are leading to a range of emerging dental treatments that utilize more biomimetic materials that more closely duplicate natural tooth structure (or bone, in the case of implants). This book brings together an international team of experts from the fields of materials science, nanotechnology and dentistry, to explain these new materials and their applications for the restoration, fixation,   |

replacement, or regeneration of hard and soft tissues in and about the oral cavity and craniofacial region. The main topics covered include applications in dental specialtie

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