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| Autore                  | Woess, Friedrich : von                                                                                            |
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| Collana                 | Münchener Beiträge zur Papyrusforschung und antiken<br>Rechtsgeschichte ; 6                                       |
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| 2. Record Nr.           | UNINA9910746296703321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Autore                  | Jaafar Mariatti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Titolo                  | Nanomaterials Based Printed Strain Sensor for Wearable Health Monitoring Applications / / Mariatti Jaafar and Ye Zar Ni Htwe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| ISBN                    | 981-9957-80-X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Edizione                | [First edition.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Descrizione fisica      | 1 online resource (81 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Disciplina              | 170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Soggetti                | Biomedical engineering<br>Nanostructured materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Nota di contenuto       | Intro -- Preface -- Contents -- 1 Printed Strain Sensor -- 1.1 Introduction -- 1.2 Conductive Ink Materials -- 1.3 Fabrication Methods of Printed Strain Sensor -- 1.4 Substrate for Printed Strain Sensor -- 1.5 Summary -- References -- 2 Carbon Based Printed Strain Sensor -- 2.1 Introduction -- 2.2 Graphene -- 2.3 Graphene Oxide -- 2.4 Carbon Nanotubes -- 2.5 Summary -- References -- 3 Silver Nanoparticles-Based Printed Strain Sensor -- 3.1 Introduction -- 3.2 Silver Nanoparticles -- 3.3 Silver Nanoparticles with Polymer -- 3.4 Silver Nanoparticles with Conductive Polymer -- 3.5 Summary -- References -- 4 Composites and Hybrid Based Printed Strain Sensor -- 4.1 Introduction -- 4.2 Carbon and Metal Based Strain Sensor -- 4.3 Carbon and Polymer Based Strain Sensor -- 4.4 Metal and Polymer Based Strain Sensor -- 4.5 Summary -- References -- 5 Performance Evaluation of Strain Sensor -- 5.1 Introduction -- 5.2 Stretchability -- 5.3 Sensitivity -- 5.4 Linearity -- 5.5 Hysteresis -- 5.6 Durability -- 5.7 Summary -- References -- 6 Printed Strain Sensor for Wearable Health Monitoring Applications -- 6.1 Introduction -- 6.2 Body Motion Detection -- 6.3 Human-Machine Interfaces -- 6.4 Personal Healthcare -- 6.5 Summary -- References. |

