

- | | |
|-------------------------|--|
| 1. Record Nr. | UNIBAS000002293 |
| Autore | Cowper, William |
| Titolo | Cowper's poems / by William Cowper |
| Pubbl/distr/stampa | Chicago ; New York : Rand, Mc.Nally, [s.d.] |
| Descrizione fisica | 396 p. ; 21 cm. |
| Disciplina | 821.6 |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 2. Record Nr. | UNINA9910779526003321 |
| Titolo | Advances in nanotechnology [[electronic resource]] . Volume 3 / / Zacharie Bartul and Jerome Trenor, editors |
| Pubbl/distr/stampa | New York, : Nova Science Publishers, c2010 |
| ISBN | 1-61761-751-2 |
| Descrizione fisica | 1 online resource (356 p.) |
| Collana | Advances in nanotechnolgy series ; ; 3 |
| Altri autori (Persone) | BartulZacharie
TrenorJerome |
| Disciplina | 620/.5 |
| Soggetti | Nanotechnology
High technology |
| 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 | ""ADVANCES IN NANOTECHNOLOGY, VOLUME 3 ""; ""ADVANCES IN NANOTECHNOLOGY, VOLUME 3 ""; ""CONTENTS ""; ""PREFACE ""; ""CURRENT DIRECTIONS IN NANOMACHINING""; ""Abstract""; ""1. Nanomachining""; ""1.1. Basic Elements of Molecular Dynamics Modeling""; ""1.1.1. Material Representation and Microstructure""; ""1.1.2. Atomic Interaction""; ""1.1.2.1. Pair Potentials""; ""1.1.2.2. |

Many-Body Potentials"; "1.1.3. Systems Dynamics and Numerical Description"; "1.1.4. Boundary Conditions"; "1.2. Design and Requirements for State-of-the-Art MD Cutting Process Simulations"; "1.3. Capabilities of MD for Nanoscale Material Removal Process Analysis"; "1.3.1. Analysis of Microstructure and Deformation"; "1.3.2. Obtaining Cutting Forces, Stress and Temperature"; "1.4. Advances and Recent Developments in Material Removal Process Simulation"; "1.4.1. Three-Dimensional Surface Machining Simulation"; "2. Micromachining"; "2.1.1. Definitions and Technological Possibilities"; "3.1.2. Main Applications of Micromachining"; "2.2. Microturning"; "2.2.1. Characteristic Features and Applications"; "2.2.2. Microturning Tools and Tooling Systems"; "2.2.3. Machine Tools for Microturning"; "2.3 Microdrilling"; "2.3.1. Characteristic Features and Applications"; "2.3.2. Microdrills and Tooling Systems"; "2.3.3. Machine Tools for Microdrilling"; "2.4. Micromilling"; "2.4.1. Characteristic Features and Applications"; "2.4.2. Micromills and Tooling Systems"; "2.4.3. Machine Tools for Micromilling"; "2.5. Product Quality in Micromachining"; "2.5.1. Quality Challenges in Micromachining"; "2.5.2. Burr Formation in Micromachining Operations"; "2.5.3. Surface Quality Inspection of Micromachining Products"; "3. Application of Micro and Nanomachining"; "3.1. Typical Machining Methods"; "3.1.1. Diamond Turning"; "3.2. Applications in Optical Manufacturing"; "3.2.1. Aspheric Lens"; "3.2.2. Fresnel Lens"; "3.2.3. Micro-structured Components"; "3.3. Semiconductor and Electronic Applications"; "3.3.1. Semiconductor Wafer Production"; "3.3.2. LSI Substrate Planarization"; "4. Conclusion"; "Acknowledgements"; "References"; "BA(TI,ZR)O3 - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS"; "Abstract"; "1. State of the Art for the BaTiO3-BaZrO3 System"; "2. Preparation and Characterization of Ba(Ti,Zr)O3 Nanopowders: Influence of the Processing Method on the Structural and Morphological Properties"; "2.1. Synthesis"; "2.2. Formation Mechanism"; "2.3. Phase Composition and Structure"; "2.4. Morphology"; "3. Preparation and Characteristics of Ba(Ti,Zr)O3 Ceramics: Effect of Composition and Grain Size on the Functional Properties"; "3.1. Ceramics from Powders Prepared by Classical Solid State Reaction"; "3.1.1. Phase Composition and Microstructure"; "3.1.2. Dielectric Properties"; "(a) The effect of frequency on the dielectric data for the BaTi0.9Zr0.1O3 ceramics sintered at different temperatures (size effects)"
