1. Record Nr. UNINA9910791685403321

| | |
|---|---|
| Autore | Cottrell Alan |
| Titolo | Chemical bonding in transition metal carbides [[electronic resource] /] / Alan Cottrell |
| Pubbl/distr/stampa | London, : Institute of Materials, 1995 |
| ISBN | 1-907625-35-6 |
| Descrizione fisica | viii, 97 p. : ill |
| Collana | Book ; ; 613 |
| Soggetti | Transition metal carbides<br>Transition metal carbides - Metallurgy<br>Chemical bonds |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |

2. Record Nr. UNINA9910298651603321

| | |
|---|---|
| Autore | Thomas Jürgen |
| Titolo | Analytical Transmission Electron Microscopy : An Introduction for Operators / / by Jürgen Thomas, Thomas Gemming |
| Pubbl/distr/stampa | Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2014 |
| ISBN | 94-017-8601-1 |
| Edizione | [1st ed. 2014.] |
| Descrizione fisica | 1 online resource (XVII, 348 p. 238 illus., 33 illus. in color.) |
| Disciplina | 620.11 |
| Soggetti | Materials science<br>Spectroscopy<br>Microscopy<br>Nanotechnology<br>Characterization and Evaluation of Materials<br>Spectroscopy and Microscopy<br>Spectroscopy/Spectrometry<br>Nanotechnology and Microengineering |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "This book is the revised and slightly expanded translation of the German book edition by Jurgen Thomas and Thomas Gemming: "Analytische Transmissionelektronenmikroskopie-- Eine Einfuhrung fur den Praktiker", Springer-Verlag, Wien 2013." |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | From the Contents: Why this effort? -- What should we know about electron optics and the construction of an electron microscope -- We prepare electron-transparent samples -- Let us start with the work -- Let us switch to electron diffraction -- Why do we see any contrasts in the images? -- We increase the magnification -- Let us switch to scanning transmission electron microscopy -- Let us use the analytical possibilities -- Basics explained in more detail (a little bit more mathematics). |
| Sommario/riassunto | This work is based on experiences acquired by the authors regarding often asked questions and problems during manifold education of beginners in analytical transmission electron microscopy. These experiences are summarised illustratively in this textbook. Explanations based on simple models and hints for the practical work are the focal |

points. This practically- oriented textbook represents a clear and comprehensible introduction for all persons who want to use a transmission electron microscope in practice but who are not specially qualified electron microscopists up to now.