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| 1. Record Nr. | UNINA9910347050603321 |
| Autore | Wulfinghoff Stephan |
| Titolo | Numerically Efficient Gradient Crystal Plasticity with a Grain Boundary Yield Criterion and Dislocation-based Work-Hardening |
| Pubbl/distr/stampa | KIT Scientific Publishing, 2014 |
| ISBN | 1000042280 |
| Descrizione fisica | 1 electronic resource (XIII, 260 p. p.) |
| Collana | Schriftenreihe Kontinuumsmechanik im Maschinenbau / Karlsruher Institut für Technologie, Institut für Technische Mechanik - Bereich Kontinuumsmechanik |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Sommario/riassunto | <p>This book is a contribution to the further development of gradient plasticity. Several open questions are addressed, where the efficient numerical implementation is particularly focused on. The book inspects an equivalent plastic strain gradient plasticity theory and a grain boundary yield model. Experiments can successfully be reproduced. The hardening model is based on dislocation densities evolving according to partial differential equations taking into account dislocation transport.</p> |