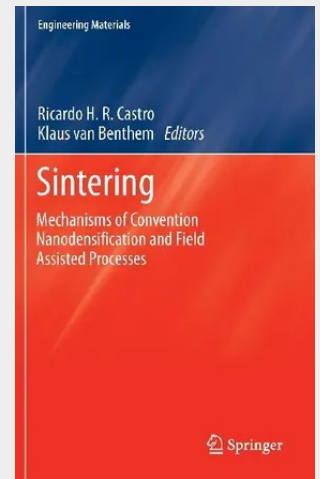


Sintering

Mechanisms of Convention Nanodensification and Field Assisted Processes

Sintering process studies have re-emerged strongly in the past decade due to extensive discussions about the stabilization of nanoparticles and nanostructures, and the development of controlled nanograined bulk materials. This book presents the state-of-art in experiments and theory of novel sintering processes, traditional sintering and grain growth. The scope ranges from powder metallurgy to ceramic and composites processing. The challenges of conventional and novel sintering and grain growth in nanopowders and nanostructures are addressed, being useful for students as well as professionals interested in sintering at the nanoscale.

Sintering process studies have re-emerged strongly in the past decade due to extensive discussions about the stabilization of nanoparticles and nanostructures, and the development of controlled nanograined bulk materials. This book presents the state-of-art in experiments and theory of novel sintering processes, traditional sintering and grain growth. The scope ranges from powder metallurgy to ceramic and composites processing. The challenges of conventional and novel sintering and grain growth in nanopowders and nanostructures are addressed, being useful for students as well as professionals interested in sintering at the nanoscale.



106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783642310089
Medium: Buch
ISBN: 978-3-642-31008-9
Verlag: Springer
Erscheinungstermin: 09.09.2012
Sprache(n): Englisch
Auflage: 2013
Serie: Engineering Materials
Produktform: Gebunden
Gewicht: 547 g
Seiten: 240
Format (B x H): 160 x 241 mm

