

Nanophase materials - innovative developments mold a thriving industry.

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Description: -

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Nanostructured materials. Nanophase materials - innovative developments mold a thriving industry.
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Notes: Includes bibliographical references (p. 163-165).

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Tags: #Limitations #and #potentials #of #oxygen #transport #dense #and #porous #ceramic #membranes #for #oxidation #reactions

Nanophase Technologies Corporation Nanomaterials

Under the data of simulations, the dislocation climb mechanism is expected to operate in terms of the coupled thermal and stress activation effects. The change of dislocation damping with temperature in the hcp Zr matrix containing up to 0.

Development of manufacturing technology on WC

Yet, dendritic lithium formation leading to short circuit currently limits its practical applications.

Nanophase Strengthening of Hexagonal Metal Alloy Crystals

Near-net-shaping in the hardmetal industry. Sintering, characterisation, and analysis of functional gradient hardmetals.

Advanced manufacturing innovation helps industry in COVID

Journal of the Electrochemical Society, 2015. Furthermore, highly basic salt fluxes can enable Ta-doped LLZO with cubic crystal structure to be obtained at 400 oC, an unprecedented low temperature synthesis for LLZO.

Development of manufacturing technology on WC

Algorithms and Tools for High-Throughput Geometry-Based Analysis of Crystalline Porous Materials. Disagreement for hcp solid solutions enriched by excess vacancies with Cottrell-Bilby concept is observed at a later stage of the dislocation damping in a substitutional alloy hcp Mg-Ba, H.

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