

Enhancement of hydrogen storage in metals by using a new technique in Severe Plastic Deformations

Omranpour Shahreza, Babak; Kommel, Lembit; Sanchez, E. Garcia Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 173-178 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.173> <https://www.scientific.net/KEM.799.173> https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Formation of property gradient in coarse-grained niobium using a wedge tool : experiment and analysis

Tarasov, Oleksandr; Kūbarsepp, Jakob; Viljus, Mart; Saarna, Mart; Sergejev, Fjodor International journal of refractory metals and hard materials 2024 / art. 106905 <https://doi.org/10.1016/j.ijrmhm.2024.106905> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hot and cold regions during accumulative roll bonding of Al/Al₂O₃ nanofibre composites

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The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing

Omranpour Shahreza, Babak; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit; Sergejev, Fjodor** Tribology international 2022 / art. 107412 <https://doi.org/10.1016/j.triboint.2021.107412> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites

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Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation

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Microstructure, properties and atomic level strain in severely deformed rare metal niobium

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Microstructure, texture and mechanical properties of cyclic expansion-extrusion deformed pure copper

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Overview of Hard Cyclic viscoplastic Deformation as a new SPD method for modifying and studying the structure and properties of Cu-alloys

Kommel, Lembit Materials Transactions 2024 / p. 109-118 <https://doi.org/10.2320/matertrans.MT-M2023136> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Overview of hard cyclic viscoplastic deformation as a new SPD method for modifying the structure and properties of niobium and tantalum

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