

### **Advanced chromium carbide based hardfacings**

**Zikin, Arkadi; Hussainova, Irina** Surface & coatings technology 2012 / p. 4270-4278 : ill

### **Characterisation of TiC-NiMo reinforced Ni-based hardfacing**

**Zikin, Arkadi; Badisch, Ewald; Hussainova, Irina; Tomastik, C.;** Danninger, Herbert Surface & coatings technology 2013 / p. 36-44 : ill <https://www.sciencedirect.com/science/article/pii/S0257897213001825> <https://doi.org/10.1016/j.surfcoat.2013.02.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of atomic layer deposited aluminium oxide on mechanical properties of porous silicon carbide**

**Jögiaas, Taivo; Kollo, Lauri;** Kozlova, Jekaterina; Tamm, Aile; **Hussainova, Irina;** Kukli, Kaupo Ceramics international 2015 / p. 7519-7528 : ill <http://dx.doi.org/10.1016/j.ceramint.2015.02.074>

### **Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy**

**Kommel, Lembit;** Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 <https://doi.org/10.1007/s11665-022-06997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High-entropy eutectic composites with high strength and low Young's modulus**

**Maity, Tapabrata; Prashanth, Konda Gokuldoss;** Balci, Özge; Cieslak, Grzegorz; Spychalski, Maciej; Kulik, Tadeusz; Eckert, Jürgen Material design & processing communications 2021 / art. e211 <https://doi.org/10.1002/mdp2.211> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Mechanical and tribological properties of 100-nm thick alumina films prepared by atomic layer deposition on Si(100) substrates**

**Alamgir, Asad; Bogatov, Andrei; Yashin, Maxim; Podgurski, Vitali** Proceedings of the Estonian Academy of Sciences 2019 / p. 126-130 : ill <https://doi.org/10.3176/proc.2019.2.01> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-126-130.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-126-130.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Multi-scale characterization and modeling of chromium carbide based cermets**

**Jasiuk, Iwona; Hussainova, Irina;** Hamed, Elham Characterization of Metal Matrix Composites : Materials Science and Technology 2009 : conference and exhibition : October 25-29, 2009, Pittsburgh, Pennsylvania, USA. Vol. 3 2009 / p. 1775-1784

### **Phases micromechanical properties of Ni-base superalloy measured by nanoindentation**

**Kommel, Lembit; Kimmari, Eduard; Viljus, Mart; Traksmaa, Rainer; Volobujeva, Olga;** Kommel, Igor Materials science = Medžiagotyra 2012 / p. 28-33 : ill <https://matsc.ktu.lt/index.php/MatSc/article/view/1337>

### **Plastic deformation mechanisms in severely strained eutectic high entropy composites explained via strain rate sensitivity and activation volume**

**Maity, Tapabrata; Prashanth, Konda Gokuldoss;** Balci, Özge; Wang, Zhi; Jia, Yandong; Eckert, Juergen H. Composites Part B: Engineering 2018 / p. 7-13 <https://doi.org/10.1016/j.compositesb.2018.05.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Residual stresses in TiC-based cermets measured by indentation**

**Sergejev, Fjodor; Kimmari, Eduard; Viljus, Mart** Procedia engineering 2011 / p. 2873-2881 : ill <https://www.sciencedirect.com/science/article/pii/S1877705811006655>