

### **Abrasive wear performance of carbide based composites**

**Kübarssepp, Jakob; Klaasen, Heinrich; Roosaar, Tõnu; Viljus, Mart; Traksmäa, Rainer** Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 221-226

### **Adhesive wear of WC- and TiC-based friction stir welding tool materials for aluminium alloy welding [Electronic resource]**

**Kolnes, Mart; Kübarssepp, Jakob; Sergejev, Fjodor; Kolnes, Märt** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / 6 p. : ill. [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

### **Analysis of microstructure and abrasive wear of Fe-based hardfacings with TiC, in-situ synthesized from TiO<sub>2</sub>**

**Yöyler, Sibel; Surzhenkov, Andrei; Antonov, Maksim; Viljus, Mart; Traksmäa, Rainer; Juhani, Kristjan** Euro PM2023 : proceedings 2023 / art. 195090 <https://doi.org/10.59499/EP235762969>

### **Boron carbide based composites microstructure and properties relationships to processing features**

**Kommel, Lembit; Kübarssepp, Jakob; Klaasen, Heinrich** European Powder Metallurgy Conference on Meeting the Challenges of a Changing Market Place : EURO PM2003 : Valencia, Spain, October 20-22, 2003 : conference proceedings. Volume 2 2003 / p. 87-92

### **Boron containing solid and superhard composites production techniques and properties [Electronic resource]**

**Kommel, Lembit; Kübarssepp, Jakob; Tarraste, Marek; Kolnes, Märt** World PM2016 proceedings 2016 / [6] p. : ill. [USB]

### **Cemented carbides surface fatigue prediction using Murakami approach**

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### **Characterization of composite thermal spray powders**

**Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit** EURO PM2005 : congress & exhibition : 2-5 October 2005, Prague, Czech Republic : proceedings. Volume 2 2005 / p. 87-91

### **Combustion synthesis of TiC-ZrC composite powder : role of mechanical activation**

**Hussainova, Irina; Manaseryan, L.; Khachatryan, H.; Hobosyan, M.; Kharatyan, Suren** World PM2010 proceedings. Vol. 2, Sintering, Secondary and Finishing Operations, Full Density and Alternative Consolidation 2010 / p. 181-188

### **Comparative study on indentation fracture toughness measurements of cermets and hardmetals**

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### **Effect of carbide phase and binder chemical composition on surface fatigue of carbide composites [Electronic resource]**

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### **Effect of hot isostatic pressing on cellular lattice structures obtained by selective laser melting [Electronic resource]**

**Holovenko, Yaroslav; Kollo, Lauri; Jõelet, Marek; Pohlak, Meelis; Veinthal, Renno** World PM2016 proceedings 2016 / [USB]

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### **Hardness of hot consolidated Al-SiC nanocomposites from planetary milled powders**

**Kollo, Lauri**; Leparoux, Marc; Bradbury, Christopher R.; **Kommel, Lembit**; Carreno-Morelli, Efrain; Rodriguez-Arbaizar, M. World PM2010 proceedings. Vol. 1, Powder Manufacturing and Processing, Miniaturization and Nanotechnology, Powder Pressing 2010 / p. 341-346 [https://www.researchgate.net/publication/272160715\\_Hardness\\_of\\_Hot\\_Consolidates\\_Al-SiC\\_Nanocomposites\\_from\\_Planetary\\_Milled\\_Powders](https://www.researchgate.net/publication/272160715_Hardness_of_Hot_Consolidates_Al-SiC_Nanocomposites_from_Planetary_Milled_Powders)

### **Lattice of MoSi<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> by selective laser melting**

**Minasyan, Tatevik**; Liu, Le; **Aydinyan, Sofiya**; **Kollo, Lauri**; **Aghayan, Marina**; **Hussainova, Irina** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / art. 3993050 [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

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### **Murakami approach : fatigue strength prediction of cemented carbides by considering pores to be equivalent to small defects**

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### **Novel approach for the preparation of shapes from TiB<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> composite by selective laser melting**

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### **Novel approach for the synthesis and sintering of TiB<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic composite**

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**Production of superhard carbon rich boron carbon (B<sub>11.72</sub>C<sub>3.28</sub>) based composite in the B<sub>4</sub>C–Al–WC–Co–Cu system through SHS and SPS techniques [Electronic resource]**

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**Slurry erosion resistance of Cr<sub>3</sub>C<sub>2</sub>–Ni cermets**

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**The influence of carbon and molybdenum in reactive sintered (Ti, Mo)C-NiCr cermets [Electronic resource]**

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**Toughness of carbide composites and their durability in application**

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