

#### **Analyza tvárných částic práškovou obrazovou analýzou**

Kohutek, Ivan; Besterčí, Michal; **Kulu, Priit** Sborník konferencí s mezinárodní účastí "Konstrukce Materiálů 97" 1997 / p. 62-65

#### **Angularity evaluation of milled WC-Co powder**

**Kulu, Priit; Mikli, Valdek; Käerdi, Helmo**; Besterčí, Michal International journal of materials & product technology 2005 / p. 289-298 : ill

#### **Angularity of the disintegrated ground hardmetal powder particles**

**Mikli, Valdek; Kulu, Priit; Käerdi, Helmo**; Besterčí, Michal Medžiagotyra = Materials science 2002 / 4, p. 430-433 : ill

#### **Angularity of the disintegrated ground hardmetal powder particles**

**Mikli, Valdek; Kulu, Priit; Käerdi, Helmo**; Besterčí, Michal Abstracts of International Conference Materials Engineering and Tribology 2002 / ? p

#### **Characterisation of metallic powders produced by disintegrator technology**

**Mikli, Valdek; Kulu, Priit; Tümanok, Aleksei; Käerdi, Helmo**; Kohutek, Ivan; Besterčí, Michal International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference, 25-27th September 1997, Tallinn, Estonia 1997 / p. 115-118: ill

#### **Characterization of disintegrator milled hardmetal powder**

**Kulu, Priit; Mikli, Valdek; Käerdi, Helmo**; Besterčí, Michal Powder metallurgy progress 2003 / p. 39-48 : ill

#### **Characterization of morphology of hardmetal powder particles**

**Käerdi, Helmo; Mikli, Valdek; Kulu, Priit**; Velgosova, Oksana; Kohutek, Ivan; Besterčí, Michal Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jūrmala, Latvia 2001 / p. 3-7 : ill

#### **Characterization of powder particle angularity**

**Mikli, Valdek; Käerdi, Helmo; Kulu, Priit**; Besterčí, Michal Acta metallurgica Slovaca 2001 / 1, p. 75-78

#### **Characterization of powder particle morphology**

**Mikli, Valdek; Käerdi, Helmo; Kulu, Priit**; Besterčí, Michal Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 1, p. 22-34 : ill

#### **Effect of strain rate and temperature on mechanical properties and fracture mechanism of the dispersion strengthened Al-12Al<sub>4</sub>C<sub>3</sub> system**

Velgosova, Oksana; Besterčí, Michal; **Kulu, Priit** High temperature materials and processes 2005 / 3, p. 183-187 : ill  
<https://www.degruyter.com/document/doi/10.1515/HTMP.2005.24.3.183/html>

#### **Effect of strain rate, volume fraction of particles and temperature on fracture mechanism in Al-Al<sub>4</sub>C<sub>3</sub> systems**

Velgosova, Oksana; Besterčí, Michal; Kováč, Ladislav; **Kulu, Priit**; Huang, Song-Jeng Kovove materialy = Metallic materials 2011 / p. 361-367 : ill  
[https://www.researchgate.net/publication/273435866\\_Effect\\_of\\_strain\\_rate\\_volume\\_fraction\\_of\\_particles\\_and\\_temperature\\_on\\_fracture\\_mechanism\\_in\\_Al-Al<sub>4</sub>C<sub>3</sub> systems](https://www.researchgate.net/publication/273435866_Effect_of_strain_rate_volume_fraction_of_particles_and_temperature_on_fracture_mechanism_in_Al-Al4C3_systems)

#### **Evaluation of deformation methods of Cu-Al<sub>2</sub>O<sub>3</sub> systems in relation to qualitative factor**

Besterčí, Michal; Sülleiova, Katarina; **Kulu, Priit** Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 12-14

#### **Evaluation of deformation methods of Cu-Al<sub>2</sub>O<sub>3</sub> systems with quality factor**

Besterčí, Michal; Sülleiova, Katarina; **Kulu, Priit** Proceedings of the Estonian Academy of Sciences. Engineering 2003 / 4, p. 246-251 : ill [https://artiklid.elnet.ee/record=b1014287\\*est](https://artiklid.elnet.ee/record=b1014287*est)

#### **Fracture description of AZ61 Mg-Al<sub>2</sub>O<sub>3</sub> materials studied by "in situ tensile test in SEM"**

Besterčí, Michal; Nagy, Štefan; Huang, Song-Jeng; Velgosova, Oksana; Sülleiova, Katarina; **Kulu, Priit** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 165-172 : ill  
<https://doi.org/10.4028/www.scientific.net/KEM.674.165> Conference Proceedings at Scopus Article at Scopus

#### **Fracture mechanism of Al-Al<sub>4</sub>C<sub>3</sub> nanomaterials studied by "in-situ tensile test in SEM"**

Besterčí, Michal; Velgosova, Oksana; Ivan, Jozef; Hvizdoš, Pavol; Kvackaj, Tibor; **Kulu, Priit** Kovove materialy = Metallic materials 2009 / 4, p. 221-225

#### **Fracture mechanism of dispersion-strengthened Cu-Al<sub>2</sub>O<sub>3</sub> nanosystem**

Besterčí, Michal; **Kulu, Priit** Acta metallurgica Slovaca 2012 / p. 76-81 : ill  
[https://www.researchgate.net/publication/289140286\\_Fracture\\_mechanism\\_of\\_dispersion-strengthened\\_Cu-Al<sub>2</sub>O<sub>3</sub> nanosystem](https://www.researchgate.net/publication/289140286_Fracture_mechanism_of_dispersion-strengthened_Cu-Al2O3_nanosystem)

### **Fracture micromechanism of Cu-Cr-Zr system by "in-situ tensile test in SEM"**

Besterce, Michal; Ivan, Jozef; **Kulu, Priit; Arensbürger, Daniil** Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 193-196 : ill

### **Fracture micromechanism of Cu-Cr-Zr system by "in-situ tensile test in SEM"**

Besterce, Michal; Ivan, Jozef; **Kulu, Priit; Arensbürger, Daniil**; Velgosova, Oksana Acta metallurgica Slovaca 2000 / p. 20-24

### **In situ tensile testing in SEM of Al-Al<sub>4</sub>C<sub>3</sub> nanomaterials**

Besterce, Michal; Velgosova, Oksana; Ivan, Jozef; Hvizdoš, Pavol; Kvackaj, Tibor; **Kulu, Priit** Estonian journal of engineering 2009 / 4, p. 247-254 : ill

### **Influence of strain rate and temperature on mechanical properties and fracture mechanism of the dispersion strengthened Al-12Al<sub>4</sub>C<sub>3</sub> system**

Velgosova, Oksana; Besterce, Michal; **Kulu, Priit** Materials science = Medžiagotyra 2005 / p. 217-220 : ill

[https://www.researchgate.net/publication/242220059\\_Influence\\_of\\_Strain\\_Rate\\_and\\_Temperature\\_on\\_Mechanical\\_Properties\\_and\\_Fracture\\_Mechanism\\_of\\_Dispersion\\_Strengthened\\_Al12Al4C3\\_System](https://www.researchgate.net/publication/242220059_Influence_of_Strain_Rate_and_Temperature_on_Mechanical_Properties_and_Fracture_Mechanism_of_Dispersion_Strengthened_Al12Al4C3_System)

### **Mechanical properties and fracture developed in nanocopper by severe plastic deformations**

Besterce, Michal; Kvackaj, Tibor; Kovac, Ladislav; Sülleiova, Katarina; **Kulu, Priit** 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 22

### **Mechanical properties and fracture of nanocopper by severe plastic deformations**

Besterce, Michal; Kvackaj, Tibor; Kovac, Ladislav; Sülleiova, Katarina; **Kulu, Priit** Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 340-348 : ill

### **Model of fracture micromechanism of Cu-Cr-Zr system by "in-situ tensile test in SEM"**

Besterce, Michal; Ivan, Jozef; **Kulu, Priit; Arensbürger, Daniil**; Velgosova, Oksana Journal of mining and metallurgy. B, Metallurgy 2003 / p. 499-507 : ill [https://www.researchgate.net/publication/47393844\\_Model\\_of\\_fracture\\_micro\\_mechanism\\_of\\_Cu-Cr-Zr\\_system\\_by\\_in-situ\\_tensile\\_test\\_in\\_SEM](https://www.researchgate.net/publication/47393844_Model_of_fracture_micro_mechanism_of_Cu-Cr-Zr_system_by_in-situ_tensile_test_in_SEM)

### **Model of fracture micromechanism of Cu-Cr-Zr system by "in-situ" test in SEM**

Besterce, Michal; Ivan, Jozef; **Kulu, Priit; Arensbürger, Daniil**; Velgosova, Oksana Proceedings of 9th International Scientific Conference "Achievements in Mechanical & Materials Engineering" : Gliwice, Poland, 11.-14.10.2000 2000 / p. 59-62 <https://doiserbia.nb.rs/img/doi/1450-5339/2003/1450-53390304499B.pdf>

### **Možnosti hodnotenia morfológie castic práškov obrazovou analyzou**

Kohutek, Ivan; Besterce, Michal; **Kulu, Priit** Pokroky práškove metalurgie 1998 / 1, p. 12-18

### **Nanomaterials Al-Al<sub>4</sub>C<sub>3</sub> studied by "In-situ Tensile Test in SEM"**

Besterce, Michal; Velgosova, Oksana; Ivan, Jozef; Hvizdoš, Pavol; Kvackaj, Tibor; **Kulu, Priit** 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 73

### **Particles morphology description by image analysis**

Kohutek, Ivan; **Käerdi, Helmo; Kulu, Priit**; Sülleiova, Katarina; Velgosova, Oksana; **Mikli, Valdek**; Besterce, Michal Acta metallurgica Slovaca 2000 / p. 256-260

### **Possibilities of evaluation of powder particle granulometry and morphology by image analysis**

**Kulu, Priit; Tümanok, Aleksei; Mikli, Valdek; Käerdi, Helmo**; Kohutek, Ivan; Besterce, Michal Proceedings of the Estonian Academy of Sciences. Engineering 1998 / p. 3-17 : ill

### **Relation between volume fraction of particles in thin foil and area fraction of their projections**

Kohutek, Ivan; Besterce, Michal; **Kulu, Priit** Engineerings Materials & Tribology 2004 : materials of the XIII-th International Baltic Conference : September 23-24, Riga, Latvia 2004 / p. 78-82 : ill

### **Tribological characteristics of copper based composites with Al<sub>2</sub>O<sub>3</sub> particles at various temperatures**

Hvizdoš, Pavol; Besterce, Michal; **Kulu, Priit**; Kavačkaj, T. High temperature materials and processes 2013 / p. 437-442 <https://doi.org/10.1515/htmp-2012-0161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tribological characteristics of micro- and nano-composites Cu-Al<sub>2</sub>O<sub>3</sub> at room and elevated temperatures**

**Hvizdoš, Pavol**; Besterce, Michal; **Kulu, Priit** High temperature materials and processes 2011 / p. 573-577

### **Tribological parameters of copper-alumina composite**

Hvizdoš, Pavol; **Kulu, Priit**; Besterce, Michal Engineering materials and tribology 2013 / p. 191-196 [https://www.researchgate.net/publication/271863555\\_Tribological\\_Parameters\\_of\\_Copper-Alumina\\_Composite](https://www.researchgate.net/publication/271863555_Tribological_Parameters_of_Copper-Alumina_Composite)

### **Using small punch testing method for the analysis of creep behaviour of Al-Al<sub>4</sub>C<sub>3</sub> composites**

**Besterçi, Michal; Dobeš, Ferdinand;** Kulu, Priit; **Sülleiova, Katarina** Estonian journal of engineering 2010 / 3, p. 243-254 : ill  
[https://artiklid.elnet.ee/record=b2156237\\*est](https://artiklid.elnet.ee/record=b2156237*est)

**WC-Co powder particles morphological characteristics**

Kohutek, Ivan; **Käerdi, Helmo;** Besterçi, Michal; **Kulu, Priit; Mikli, Valdek;** Velgosova, Oksana Deformation and Fracture in Structural PM Materials : DF PM 2002 : proceedings of the international conference, Stara Lesna, Slovak Republic, September 15-18, 2002. Vol. 2 2002 / p. 230-235 : ill