

## A novel alumina – nanocarbon hybrid material

Ivanov, Roman; Anoshkin, Ilya; Nasibulin, Albert; Hussainova, Irina; Kauppinen, Esko NT13: Fourteenth International Conference on the Science and Applications of Nanotubes : 24-28 June, 2013, Espoo, Finland 2013 / p. 309

## Abrasive erosion of non-tungsten cemented carbides

Pirso, Jüri; Kallas, Paul Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 30-33  
[https://www.ester.ee/record=b1492085\\*est](https://www.ester.ee/record=b1492085*est)

## Abrasive erosion of powder materials

Kallas, Paul 1996 [http://www.ester.ee/record=b1070451\\*est](http://www.ester.ee/record=b1070451*est)

## Abrasive impact wear and surface fatigue wear behaviour of Fe-Cr-C PTA overlays

Veinthal, Renno; Sergejev, Fjodor; Zikin, Arkadi; Tarbe, Rihõ; Hornung, J. 19th International Conference on Wear of Materials : Portland, Oregon, USA, 14-18 April 2013 : conference abstracts 2013 / [p. 98]

## Abrasive impact wear and surface fatigue wear behaviour of Fe–Cr–C PTA overlays

Veinthal, Renno; Sergejev, Fjodor; Zikin, Arkadi; Tarbe, Rihõ; Hornung, Johann Wear 2013 / p. 102-108

<https://www.sciencedirect.com/science/article/pii/S0043164813000999> <https://doi.org/10.1016/j.wear.2013.01.077> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Abrasive impact wear resistance of hardfacings

Kulu, Priit; Surženkov, Andrei; Tarbe, Rihõ; Simson, Taavi European Conference on Heat Treatment and 22nd IFHTSE Congress : Heat Treatment and Surface Engineering from tradition to innovation : Venice (Italy), 20-22 May 2015 2015 / [9] p. : ill

## Abrasive impact wear: tester, wear and grindability studies = Abrasiivlõökkulumine: seade, kulumise ja jahvatatavuse uuringud

Tarbe, Rihõ 2009 <https://digi.lib.ttu.ee/i/?435> [https://www.ester.ee/record=b2499200\\*est](https://www.ester.ee/record=b2499200*est)

## Abrasive wear performance of carbide composites

Klaasen, Heinrich; Kübarsepp, Jakob Wear 2006 / p. 520-526 : ill <https://doi.org/10.1016/j.wear.2005.12.004>

## Abrasive wear resistance of HVOF sprayed and PTA-welded hardmetal hard phase reinforced metal-matrix based coatings

Tarbe, Rihõ; Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei Engineering materials & tribology XXII 2014 / p. 3-7

<https://doi.org/10.4028/www.scientific.net/KEM.604.3> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

## Abrasive wear resistance of recycled hardmetal reinforced thick coating

Kulu, Priit; Tarbe, Rihõ; Zikin, Arkadi; Sarjas, Heikki; Surženkov, Andrei Engineering materials and tribology 2013 / p. 185-190

## Advanced multiphase tribo-functional PTA hardfacings = Mitmefaasilised kulumiskindlad PTA-keevispindid

Zikin, Arkadi 2013 <https://digi.lib.ttu.ee/i/?908> [https://www.ester.ee/record=b2956356\\*est](https://www.ester.ee/record=b2956356*est)

## Akadeemik Jakob Kübarsepp : valimisplatvorm

Kübarsepp, Jakob Mente et Manu 2015 / lk. 5-7 : portr [https://artiklid.elnet.ee/record=b2721092\\*est](https://artiklid.elnet.ee/record=b2721092*est)

## Akadeemiline sullerlus kui akadeemilise vabaduse kuritarvitamine

Soomere, Tarmo; Veinthal, Renno Sirp 2016 / lk. 36-37 : ill [https://artiklid.elnet.ee/record=b2757309\\*est](https://artiklid.elnet.ee/record=b2757309*est) <https://www.sirp.ee/s1-artiklid/c21-teadus/akadeemiline-sullerlus-kui-akadeemilise-vabaduse-kuritarvitamine/>

## Alumina-silica hollow microspheres in metallo-ceramic matrix composite [Electronic resource]

Šiškins, Andrejs; Mironovs, Viktors; Zemčenkovs, Vjačeslavs; Hussainova, Irina Cellular Materials CellMat 2014 : Dresden, Germany, 22-24 October, 2014 2014 / [CD-ROM]

## Aluminum based composite by novelty process : Repetitive Press Roll Bonding (RPRB)

Pramono, Agus; Kollo, Lauri; Veinthal, Renno Procedia chemistry 2015 / p. 473-479 : ill  
<http://dx.doi.org/10.1016/j.proche.2015.12.081>

## Areng kasvatab ootusi : [arvamusi TTÜ raamatukogu kohta]

Kübarsepp, Jakob; Kallavus, Urve; Kalev, Kaia Mente et Manu 2014 / lk. 10 [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## Arengud ja suundumused insenerihariduses

Kübarsepp, Jakob Elektrala 2015 / lk. 5

## Arvamusi akadeemikutelt [oluliste teadusprobleemide kohta]

**Assessment of cermets performance in aggressive media**  
**Antonov, Maksim** 2006 [http://www.esther.ee/record=b2208731\\*est](http://www.esther.ee/record=b2208731*est)

**Assessment of the reliability of hardfacings for soil rippers**

Jankauskas, Vytenis; Katinas, Egidijus; Varnauskas, Valentinas; Katinas, A.; **Antonov, Maksim** Journal of friction and wear 2015 / p. 89-95 : ill <https://doi.org/10.3103/S106836661501016X> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Atomic layer deposition for hard nanocoatings**

Jõgiaas, Taivo; **Kollo, Lauri; Hussainova, Irina** Baltic ALD 2014 : 12th International Baltic Conference on Atomic Layer Deposition : May 12-13, 2014, Helsinki, Finland 2014 / p. 91-92

**Atomic layer deposition of alumina on g-Al<sub>2</sub>O<sub>3</sub> nanofibres**

Jõgiaas, Taivo; Arroval, Tõnis; **Kollo, Lauri; Hussainova, Irina** Physica status solidi (a) : applications and materials science 2014 / p. 403-408 : ill <https://doi.org/10.1002/pssa.201330083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

**Chair of Semiconductor Materials Technology : activity report 1988-1993**

1994 [http://www.esther.ee/record=b1065473\\*est](http://www.esther.ee/record=b1065473*est)

**Changes in surface morphology, deflection and wear of microcrystalline diamond film observed during sliding tests against Si<sub>3</sub>N<sub>4</sub> balls**

**Bogatov, Andrei; Traksmaa, Rainer; Podgurski, Vitali** 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. 145-151 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.145> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**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](#)

**Characterization and application of TiC-based iron alloys bonded cermets**

Annuka, Harri 1999 [http://www.esther.ee/record=b1273069\\*est](http://www.esther.ee/record=b1273069*est)

**Characterization and application of TiC-based iron alloys bonded cermets**

Annuka, Harri 1999 [http://www.esther.ee/record=b1337168\\*est](http://www.esther.ee/record=b1337168*est)

**Characterization and modelling of erosion wear of powder composite materials and coatings**

Veinthal, Renno 2005 [https://www.esther.ee/record=b2097488\\*est](https://www.esther.ee/record=b2097488*est)

**Characterization of mechanically milled cermet powders produced by disintegrator technology**

Käerdi, Helmo; **Goljandin, Dmitri; Kulu, Priit; Sarjas, Heikki; Mikli, Valdek** Engineering materials and tribology 2013 / p. 148-153 <https://www.scientific.net/KEM.527.148>

**Characterization of microstructure and mechanical properties of friction stir welded AlMg5-Al<sub>2</sub>O<sub>3</sub> nanocomposites**

Babu, N. Kishore; **Kallip, Kaspar; Leparoux, Marc** Materials science and engineering : A 2016 / p. 109-122 : ill <http://dx.doi.org/10.1016/j.msea.2016.01.102>

**Characterization of TiC-FeCrMn cermets produced by powder metallurgy method**

Kolnes, Märt; Kübarsepp, Jakob; **Kollo, Lauri; Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 353-357 : ill <https://doi.org/10.5755/j01.ms.21.3.7364> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical spray pyrolysis deposition of zinc sulfide thin films and zinc oxide nanostructured layers = Tsinksulfidi õhukedes kiled ning tsinkoksiidi nanostruktuursed kihid keemilise pihurstuspürolüsi meetodil**

Dedova, Tatjana 2007 <https://digi.lib.ttu.ee/I/?155> [https://www.esther.ee/record=b2324660\\*est](https://www.esther.ee/record=b2324660*est)

**Chemical vapour deposition growth of graphene and carbon nanotubes on alumina**

Ivanov, Roman; Anoshkin, Ilya; **Hussainova, Irina** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

### **Color center fluorescence and spin manipulation in single crystal, pyramidal diamond tips**

Nelz, Richard; Fuchs, Philipp; **Podgurski, Vitali** Applied physics letters 2016 / p. 193105-1 - 193105-4 : ill

<https://doi.org/10.1063/1.4967189> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites**

Umalas, Madis; **Hussainova, Irina**; Reed, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill

<https://doi.org/10.1016/j.matchemphys.2015.01.017> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Comparative analysis of residual stresses determined by various methods in brush-plated hard gold and silver coatings**

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; Mikli, Valdek Engineering materials & tribology XXII 2014 / p. 8-11 <https://doi.org/10.4028/www.scientific.net/KEM.604.8> Conference proceedings at Scopus Article at Scopus

Conference proceedings at WOS Article at WOS

### **Comparative study of the VARTM, VAP and MTI vacuum infusion processes**

**Aruniit, Aare**; **Herranen, Henrik**; Miller, Kristen 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. 71-76 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.71> Conference Proceedings at Scopus Article at Scopus

### **Comparing tungsten carbide based composites reinforced by alumina nanofibers or zirconia**

**Yung, Der-Liang**; **Dong, Minjie**; **Hussainova, Irina** Proceedings of the PM13 International Conference on Powder Metallurgy and Particulate Materials 2013 / p. 24-35 : ill

### **Comparison of some mechanical and physical methods for measurement of residual stresses in brush-plated nickel hardened gold and silver coatings**

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; Matvejev, Dmitri Materials science = Medžiagotyra 2016 / p. 36-40 : ill <https://doi.org/10.5755/j01.ms.22.1.7439> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering**

Ritasalo, Riina; **Antonov, Maksim**; **Veinthal, Renno**; Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill [https://artiklid.elnet.ee/record=b2665219\\*est](https://artiklid.elnet.ee/record=b2665219*est) <https://doi.org/10.3176/proc.2014.1.09> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Composition and structure of bimodal WC-Co materials related to mechanical properties and abrasive wear**

**Yung, Der-Liang**; **Antonov, Maksim**; **Hussainova, Irina**; **Veinthal, Renno**; Hogmark, Sture M2D2015 : proceedings of the 6th International Conference on Mechanics and Materials in Design, 2015 2015 / p. 655-664

### **Coupled thermal analysis of novel alumina nanofibers with ultrahigh aspect ratio**

**Aghayan, Marina**; **Hussainova, Irina**; Gasik, Michael; Kutuzov, Michael; Friman, Michael Thermochimica acta 2013 / p. 140-144 : ill <https://doi.org/10.1016/j.tca.2013.10.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Covalent coupling of ionic liquid to carbon nanotubes : preparation and tribological properties**

Taaber, Triinu; Põhako-Esko, Kaija; **Antonov, Maksim**; **Veinthal, Renno** Materials Research Society symposium proceedings 2014 / p. UU06-30 : ill <https://doi.org/10.1557/ops.2014.539> Conference proceedings at Scopus Article at Scopus

### **Critical radius in the effect of transformation toughening of zirconia doped ceramics and cermets**

Freidin, Alexander; Filippov, Roman; **Hussainova, Irina**; Vilchevskaya, Elena Engineering materials and tribology 2013 / p. 68-73 <https://www.scientific.net/KEM.527.68>

### **Critical radius of zirconia inclusions in transformation toughening of ceramics**

Filippov, Roman; Freidin, Alexander; **Hussainova, Irina**; Vilchevskaya, Elena Physical mesomechanics 2015 / p. 33-42 : ill <https://doi.org/10.1134/S1029959915010051> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> films from binary precursors**

**Volobujeva, Olga**; **Mellikov, Enn**; **Timmo, Kristi**; **Danilson, Mati**; **Bereznev, Sergei** Journal of Renewable and Sustainable Energy 2013 / art. 031618 <https://doi.org/10.1063/1.4811242> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Decarburisation effect on hardened strip steel fastening components**

**Jaason, Karli**; **Peetsalu, Priidu**; **Saarna, Mart**; **Kulu, Priit**; Beilmann, Jüri Materials science = Medžiagotyra 2016 / p. 148-152 : ill <https://doi.org/10.5755/j01.ms.22.1.7467> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Decarburization effect on hardened strip steel fastening components**

**Jaason, Karli**; **Peetsalu, Priidu**; **Saarna, Mart**; **Kulu, Priit**; Beilmann, Jüri TÜ ja TTÜ doktorikool "Funktionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

## **Deformation-burst schemes of 3-piece aerosol containers**

Ratas, Kaarin; Peetsalu, Priidu Engineering materials & tribology XXII 2014 / p. 55-58

<https://doi.org/10.4028/www.scientific.net/KEM.604.55> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

## **Densification and characterization of spark plasma sintered ZrC–ZrO<sub>2</sub> composites**

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Materials science and engineering : A - structural materials: properties, microstructure and processing 2014 / p. 75-81 : ill <https://doi.org/10.1016/j.msea.2013.12.058> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Densification and microstructure development in zirconia toughened hardmetals**

Voltšihhin, Nikolai; Hussainova, Irina; Cura, M. Erkin; Hannula, Simo-Pekka; Traksmaa, Rainer Engineering materials and tribology 2013 / p. 50-55 : ill

## **Department of Materials Technology**

Valdma, Leo; Kübarsepp, Jakob; Kulu, Priit; Tümanok, Aleksei; Mellikov, Enn; Vallaste, Heikki Research activities / Tallinn Technical University 1993 / p. 13-16 [https://www.esther.ee/record=b1053754\\*est](https://www.esther.ee/record=b1053754*est)

## **Deposition and characterization of refractory cermet particle reinforced Ni-based PTA hardfacings**

Zikin, Arkadi; Yung, Der-Liang; Hussainova, Irina; Danninger, Herbert; Pirso, Jüri; Gavrilović-Wohlmuther, A. Proceedings of the 18th PLANSEE Seminar, 2013 2013

## **Design and technology of oxides-containing ceramic-based composites = Oksiide sisaldata komposiitkeramika tehnoloogia**

Voltšihhin, Nikolai 2014 [https://www.esther.ee/record=b4438763\\*est](https://www.esther.ee/record=b4438763*est)

## **Determination of resistance to wear of particulate composite**

Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres Engineering materials & tribology XXII 2014 / p. 188-191

<https://doi.org/10.4028/www.scientific.net/KEM.604.188> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

## **Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells**

Lust, Enn; Sepp, Silver; Nerut, Jaak; Taleb, Masoud ECS transactions 2016 / p. 777-788 <http://dx.doi.org/10.1149/07514.0777ecst>

## **Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells**

Lust, Enn; Sepp, Silver; Nerut, Jaak; Taleb, Masoud PRIME Meeting : MA2016-02, October 2-7, 2016, Honolulu, Hawaii 2016 / p. 2539 <http://ma.ecsdl.org/content/MA2016-02/38/2539.abstract?sid=3a2322bd-5e72-463a-b64a-1b02d671829b>

## **Developments in cermet design, technology and performance**

Kübarsepp, Jakob; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart International journal of materials & product technology 2014 / p. 160-179 <https://doi.org/10.1504/IJMPT.2014.064046> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Diffusionsschweißen von Werkstoffen mit unterschiedlichen Eigenschaften = Diffusion welding of different materials = Erinevate materjalide difusioonkeevitus**

Dahms, Steffen 2011 <https://digi.lib.ttu.ee/i/?605>

## **Direct CVD growth of multi-layered graphene closed shells around alumina nanofibers**

Ivanov, Roman; Mikli, Valdek; Kübarsepp, Jakob; Hussainova, Irina 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. 77-80 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.77> Conference Proceedings at Scopus Article at Scopus

## **Disintegrator milling system development and milling technologies of different materials =**

Desintegraatorjahvatussüsteemi arendus ja erinevate materjalide desintegraatorjahvatustehnoloogiad

Goljandin, Dmitri 2013 <https://digi.lib.ttu.ee/i/?937> [https://www.esther.ee/record=b2994890\\*est](https://www.esther.ee/record=b2994890*est)

## **Disintegrators and disintegrator treatment of materials**

Goljandin, Dmitri; Kulu, Priit 2015

## **Dr-Ing. Lembit Kommel : biograafia. Bibliograafia**

2024 [https://www.esther.ee/record=b5677855\\*est](https://www.esther.ee/record=b5677855*est)

**Duplex TiN coating on stainless steel : an electrochemical and surface analysis study : doctoral thesis**  
Rudenja, Sergei 1999 [https://www.estet.ee/record=b1330948\\*est](https://www.estet.ee/record=b1330948*est)

**Duplex treatment of steel surface = Terase pinna duplekstöötlus**  
Surženkov, Andrei 2011

**Durability of complex shape punch in thick sheet metal fine-blanking**

Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart; Talkop, Adolf European Conference on Heat Treatment and 21st IFHTSE Congress : May, 12th-15th, 2014, Munich, Germany : proceedings 2014 / p. 399-406 : ill

**Eesti 100 % elektromobiilseks**

Simson, Taavi Äripäev 2015 / lk. 15 <https://www.ariipaev.ee/arvamused/2015/01/24/eesti-100-elektromobiilseks>

**Eesti ja Läti ülikoolide ja tööstuse sidemed mehaanikas**

Kulu, Priit Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 57-60

**Eesti Keevitusühing**

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / 1, lk. 7; 2, lk. 7 [https://www.estet.ee/record=b5668719\\*est](https://www.estet.ee/record=b5668719*est)

**Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80**

2016 [https://www.estet.ee/record=b4577314\\*est](https://www.estet.ee/record=b4577314*est)

**Effect of alloying additives on impact-abrasive wear of manual arc welded hadfield steel hardfacings**

Jankauskas, Vytenis; Antonov, Maksim; Katinas, Egidijus; Gedzevicius, I. Journal of friction and wear 2016 / p. 170-178 : ill  
<https://doi.org/10.3103/S1068366616020185> [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**

Jõjiaas, Taivo; Kollo, Lauri; Kozlova, Jekaterina; Tamm, Aile; Hussainova, Irina; Kukli, Kaupo Ceramics international 2015 / p. 7519-7528 : ill <https://doi.org/10.1016/j.ceramint.2015.02.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of atomic oxygen irradiation on the structural and tribological properties of the MoS<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>/PI composites**

Zhao, Gai; Wang, Qihua; Hussainova, Irina; Ding, Qingjun 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. 239-243 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.239> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of basalt and silica additives on erosive wear resistance of cast ceramics**

Baroninš, Janis; Antonov, Maksim; Ivanov, Roman; Shuliak, Volodymyr; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 144-151 : ill <https://doi.org/10.3176/proc.2016.2.05> [https://artiklid.elnet.ee/record=b2768221\\*est](https://artiklid.elnet.ee/record=b2768221*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of basalt reinforcement type and content on the abrasive wear behaviour of polymer composites**

Antonov, Maksim; Kers, Jaan; Libert, Laura; Shuliak, Volodymyr; Smirnov, Anton; Bartolome, Jose F. 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. 181-188 : ill  
<https://doi.org/10.4028/www.scientific.net/KEM.674.181> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Petrov, Mihail; Kübarsepp, Jakob; Sergejev, Fjodor; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

**Effect of grain growth inhibitors VC/Cr<sub>3</sub>C<sub>2</sub> on WC-ZrO<sub>2</sub>-Ni composite mechanics**

Yung, Der-Liang; Dong, Minjie; Hussainova, Irina Engineering materials & tribology XXII 2014 / p. 106-109  
<https://doi.org/10.4028/www.scientific.net/KEM.604.106> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**Effect of hard cyclic viscoplastic deformation on phases chemical composition and micromechanical properties evolution in single crystal Ni-based superalloy**

Kommel, Lembit Acta physica polonica A 2015 / p. 681-683 : ill <https://doi.org/10.12693/APhysPolA.128.681> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**Effect of hot dip galvanizing on the mechanical properties of high strength steels**

Sepper, Sirli; Peetsalu, Priidu; Saarna, Mart; Mikli, Valdek; Kulu, Priit Engineering materials & tribology XXII 2014 / p. 12-15 : ill  
<https://doi.org/10.4028/www.scientific.net/KEM.604.12> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**Effect of hot isostatic pressing on cellular lattice structures obtained by selective laser melting [Electronic resource]**  
Holovenko, Yaroslav; Kollo, Lauri; Jõeleht, Marek; Pohlak, Meelis; Veinthal, Renno World PM2016 proceedings 2016 / [USB]

**Effect of loading system inertia on tribological behaviour of ceramic–ceramic, ceramic–metal and metal–metal dry sliding contacts**

**Antonov, Maksim; Hussainova, Irina; Adoberg, Eron** Tribology international 2013 / p. 207-214 : ill

<https://doi.org/10.1016/j.triboint.2013.03.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of milling time on dual-nanoparticulate-reinforced aluminum alloy matrix composite materials**

Kwon, Hansang; **Saarna, Mart**; Yoon, Songhak; Weidenkaff, Anke; Leparoux, Marc Materials science and engineering : A 2014 / p. 338-345 <https://doi.org/10.1016/j.msea.2013.10.046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of nanocrystalline diamond films deflection on wear observed in reciprocating sliding tests**

Podgurski, Vitali; **Bogatov, Andrei**; Sobolev, S.; **Viljus, Mart**; Sedov, V.; Ashkinazi, E.; Ralchenko, V. Journal of coating science and technology 2016 / p. 109-115 : ill <http://dx.doi.org/10.6000/2369-3355.2016.03.03.2>

**Effect of new superhard phases formation on properties of composite processed by SHS**

Kommel, Lembit; Tamm, Toomas; **Metsvahi, Raido** Engineering materials and tribology 2013 / p. 137-142

**Effect of oxidation on erosive wear behaviour of boiler steels**

**Antonov, Maksim; Veinthal, Renno**; Huttunen-Saarivirta, E.; **Hussainova, Irina; Vallikivi, Ahto**; Lelis, Martynas; **Priss, Jelena** Tribology international 2013 / p. 35-44 : ill <https://doi.org/10.1016/j.triboint.2012.09.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of oxidation on sliding wear behavior of NiCrSiB-TiB<sub>2</sub> plasma sprayed coatings**

Umanskii, A.; **Hussainova, Irina**; Storoženko, M.; Terentyev, O.; **Antonov, Maksim** Engineering materials & tribology XXII 2014 / p. 16-19 <https://doi.org/10.4028/www.scientific.net/KEM.604.16> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Effect of sintering conditions on microstructure and performance of TiC-FeCrMn cermets [Electronic resource]**

Kolnes, Märt; Kübarsepp, Jakob; Viljus, Mart; Traksmaa, Rainer; Illopmägi, Siim World PM2016 proceedings 2016 / [7] p. : ill. [USB]

**Effect of SiO<sub>2</sub> and PTFE additives on dry sliding of NiP electroless coating**

Gutsev, D.; **Antonov, Maksim; Hussainova, Irina**; Grigoriev, A.Y. Tribology international 2013 / p. 295-302 : ill <https://doi.org/10.1016/j.triboint.2012.12.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of temperature on sliding and erosive wear of fiber reinforced polyimide hybrids**

Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei; Yung, Der-Liang Tribology international 2015 / p. 525-533 : ill <https://doi.org/10.1016/j.triboint.2014.01.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of TiB<sub>2</sub> additives on wear behavior of NiCrBSi-based plasma-sprayed coatings**

Umansky, Oleksandr; Storozhenko, Maryna; **Hussainova, Irina**; Terentjev, Oleksandr; Kovalchenko, Andrey; **Antonov, Maksim** Materials science = Medžiagotyra 2016 / p. 15-19 : ill <https://doi.org/10.5755/j01.ms.22.1.7307> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

**Effect of WC grain size and content on erosive wear of manual arc welded hardfacings with low-carbon ferritic-pearlitic steel or stainless steel matrix**

Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; Skirkus, Remigijus 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. 213-218 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.213> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Effect of WC grain size and content on low stress abrasive wear of manual arc welded hardfacings with low-carbon or stainless steel matrix**

Jankauskas, Vytenis; **Antonov, Maksim**; Varnauskas, Valentinas; Skirkus, Remigijus; Goljandin, Dmitri Wear 2015 / p. 378-390 : ill <https://doi.org/10.1016/j.wear.2015.02.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The effect of wood flour fraction size on the properties of wood-plastic composites**

Kängsepp, Kärt; Poltimäe, Triinu; Liimand, K.; **Kallakas, Heikko**; Süld, Tiia-Maaja; Repeshova, Irina; Goljandin, Dmitri; Kers, Jaan Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 366-371

**18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts**

### **Elaboration of sol-gel derived TiC-CNTs composite**

**Hussainova, Irina; Umalas, Madis; Lõhmus, Ants; Voltšihhin, Nikolai** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 116

### **Elastic models of defects in two-dimensional crystals**

Kolesnikova, Anna; Orlova, T. S.; **Hussainova, Irina**; Romanov, Alexey Physics of the solid state 2014 / p. 2573-2579 : ill  
<https://doi.org/10.1134/S1063783414120166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electrical conductivity and mechanical properties of Cu-0.7wt% Cr and Cu-1.0wt% Cr alloys processed by severe plastic deformation**

**Kommel, Lembit; Pokatilov, Andrei** IOP conference series : materials science and engineering 2014 / p. 1-7 : ill  
<https://doi.org/10.1088/1757-899X/63/1/012169> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

### **Electromagnetic shielding properties of ceramic spheres coated with paramagnetic metal**

**Koppel, Tarmo; Shiskin, A.; Hussainova, Irina; Haldre, Heldur; Tint, Piia** Agronomy research 2016 / p. 1015-1022 : ill  
[http://ise.elnet.ee/record=b2891940~S1\\*est](http://ise.elnet.ee/record=b2891940~S1*est) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Electron microscopy and image analysis study of powdered hardmetal materials and optoelectronic thin films**

Mikli, Valdek 2003 [https://www.ester.ee/record=b1782316\\*est](https://www.ester.ee/record=b1782316*est)

### **Embedded electronics influence on the strength of carbon fiber laminate**

**Herranen, Henrik; Kers, Jaan; Preden, Jürgo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Lend, Henri; Allikas, Georg** Advances in applied materials and electronics engineering III 2014 / p. 239-243  
<https://doi.org/10.4028/www.scientific.net/AMR.905.239> [Article at Scopus](#)

### **EMLi juhatuse esimeeste lood**

Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 7-15 : portr

### **Engineering materials and tribology**

2013

### **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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.674>

### **Enhancing of corrosion resistance of steel-bonded hardmetals in acid conditions**

**Kübarsepp, Jakob; Kallast, Vambola; Annuka, Harri** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 37-38 [https://www.ester.ee/record=b1492085\\*est](https://www.ester.ee/record=b1492085*est)

### **Environment friendly and materials saving surface technologies**

**Kulu, Priit** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 39-40  
[https://www.ester.ee/record=b1492085\\*est](https://www.ester.ee/record=b1492085*est)

### **Erosion wear of reactive sintered WC-TiC-Co cermets**

**Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart** Engineering materials & tribology XXII 2014 / p. 63-66  
<https://doi.org/10.4028/www.scientific.net/KEM.604.63> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

### **Erosion wear testing of boiler steels at elevated temperatures**

**Priss, Jelena; Klevtsov, Ivan; Dedov, Andrei; Antonov, Maksim** 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 248-250 : ill

### **Erosions und Bruchfestigkeit von TiC-stahl Werbundwerkstoffen**

**Valdma, Leo; Kübarsepp, Jakob; Annuka, Harri** IX Internationale Pulvermetallurgische Tagung in der DDR : Sintern, Phänomene, Technologien und Werkstoffe, Dresden, 23. bis 25. 10. 1989 1989 / s. 209

### **Erosive wear of boiler steels by sand and ash**

Huttunen-Saarivirta, E.; Kinnunen, H.; Tuiremo, J.; Uusitalo, M.; **Antonov, Maksim** Wear 2014 / p. 213-224 : ill  
<https://doi.org/10.1016/j.wear.2014.06.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estonian education system and the influence of digitalization : welcome address**

**Veinthal, Renno** Management Education for a Digital World : proceedings of the 24th CEEMAN Annual Conference : 28-30 September 2016, Tallinn, Estonia 2016 / p. 8-9 : portr

**Evolution of TiN coating surface roughness during physical vapor deposition on high speed steel substrate**  
Kupchenko, Leonid; Tali, Rauno; Adoberg, Eron; Mikli, Valdek; Podgurski, Vitali Engineering materials & tribology XXII 2014 / p. 67-70 [https://doi.org/10.4028/www.scientific.net/KEM.604.67 Conference proceedings at Scopus Article at Scopus](https://doi.org/10.4028/www.scientific.net/KEM.604.67)

**Exothermically synthesized B4C-Al composites for dry sliding = Eksotermiliselt sünteesitud B4C-Al komposiidid tööks liugehõordumise tingimustes**  
Kimmari, Eduard 2008 [https://www.estet.ee/record=b2413238\\*est](https://www.estet.ee/record=b2413238*est)

**Experience of continuing professional development of mechanical engineers in Estonia**  
Kübersepp, Jakob; Kiili, Jaanus The 4th European Forum for Continuing Engineering Education, Trondheim, Norway, 9-11 June, 1999 : proceedings 1999 / p. 221-227

**The experimental and theoretical investigations of damage development and distribution in double-forged tungsten under plasma irradiation-initiated extreme heat loads**  
Väli, Berit; Laas, Tõnu; Paju, Jana; Antonov, Maksim Nukleonika 2016 / p. 169-177 : ill [https://doi.org/10.1515/nuka-2016-0029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1515/nuka-2016-0029)

**Fabrication and microstructural analysis of didymium-iron-boron magnet alloys with cerium additions**  
Mural, Zorjana; Kolnes, Märt; Afshari, Hossein; Kollo, Lauri; Link, Joosep; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2016 / p. 166-171 : ill [https://doi.org/10.3176/proc.2016.2.02 https://artiklid.elnet.ee/record=b2768229\\*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.3176/proc.2016.2.02)

**Fabrication of alumina nanocomposites reinforced by a novel type of alumina nanofiber and graphene coated alumina nanofiber**  
Drozdova, Maria; Ivanov, Roman; Aghayan, Marina; Hussainova, Irina; Dong, Minjie; Rodriguez, Miguel Angel Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 337-341 : ill

**Fabrication of NiO/NiAl<sub>2</sub>O<sub>4</sub> nanofibers by combustion method**  
Aghayan, Marina; Hussainova, Irina 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. 31-34 : ill [https://doi.org/10.4028/www.scientific.net/KEM.674.31 Conference Proceedings at Scopus Article at Scopus](https://doi.org/10.4028/www.scientific.net/KEM.674.31)

**Faculty of Mechanical Engineering 2014**  
2014 [https://www.estet.ee/record=b3063603\\*est](https://www.estet.ee/record=b3063603*est)

**Faculty of Mechanical Engineering 2015**  
2015 [http://www.estet.ee/record=b4520528\\*est](http://www.estet.ee/record=b4520528*est)

**Fatigue characteristics of PM steels = Pulberteraste väsimuskarakteristikud**  
Saarna, Mart 2008 [https://www.estet.ee/record=b2413163\\*est](https://www.estet.ee/record=b2413163*est)

**Fatigue performance and mechanical reliability of cemented carbides**  
Preis, Irina 2004 [https://www.estet.ee/record=b1994273\\*est](https://www.estet.ee/record=b1994273*est)

**A few-layered graphene on alumina nanofibers for electrochemical energy conversion**  
Hussainova, Irina; Ivanov, Roman; Stamatin, Serban; Anoshkin, Ilya; Skou, Eivind; Nasibulin, Albert Carbon 2015 / p. 157-164 : ill [https://doi.org/10.1016/j.carbon.2015.03.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1016/j.carbon.2015.03.004)

**15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts**  
2006 [https://www.estet.ee/record=b2227259\\*est](https://www.estet.ee/record=b2227259*est)

**Foreign object induced fiber undulation influence on mechanical properties of composite laminate**  
Herranen, Henrik; Lend, Henri; Kuusik, Alar; Czichon, Steffen; Kers, Jaan; Piirlaid, Marko International Conference on Composite Materials 2013 (ICCM-19) : Montreal, Quebec, Canada, 28 July-2 August 2013 : [proceedings] 2013 / p. 837-844

**Fracture description of AZ61 Mg-Al<sub>2</sub>O<sub>3</sub> materials studied by "in situ tensile test in SEM"**  
Besterici, Michal; Nagy, Štefan; Huang, Song-Jeng; Velgosova, Oksana; Sülieiova, 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](https://doi.org/10.4028/www.scientific.net/KEM.674.165)

**Friction and wear of fiber reinforced polyimide composites**  
Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei; Veinthal, Renno 19th International Conference on

**Friction and wear of fiber reinforced polyimide composites**

Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei Wear 2013 / p. 122-129 : ill

<https://doi.org/10.1016/j.wear.2012.12.019> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Functionalization of alumina nanofibers with metal oxides = Alumiiniumoksidiidnanokiudude funktsionaliseerimine metalloksiididega**

Aghayan, Marina 2016 [http://www.estr.ee/record=b4560629\\*est](http://www.estr.ee/record=b4560629*est)

**Functionalization of gamma-alumina nanofibers by alpha-alumina via solution combustion synthesis**

Aghayan, Marina; Voltšihhin, Nikolai; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando; Dong, Minjie; Hussainova, Irina

Ceramics international 2014 / p. 12603-12607 : ill <https://doi.org/10.1016/j.ceramint.2014.04.087> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Graphene coated alumina nanofibers as zirconia reinforcement**

Ivanov, Roman; Hussainova, Irina; Aghayan, Marina; Petrov, Mihhail Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 348-353 : ill

**Graphene covered alumina nanofibers as toughening agent in alumina ceramics**

Hussainova, Irina; Drozdova, Maria; Aghayan, Marina; Ivanov, Roman; Perez-Coll, Domingo 13th International Ceramics Congress. Part B 2014 / p. 49-53

**Graphene-augmented nanofiber scaffolds demonstrate new features in cells behaviour**

Kazantseva, Jekaterina; Ivanov, Roman; Gasik, Michael; Neumann, Toomas; Hussainova, Irina Scientific reports 2016 / art. 30150, p. 1-8 : ill <https://doi.org/10.1038/srep30150> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics**

Ivanov, Roman; Hussainova, Irina; Aghayan, Marina; Drozdova, Maria; Perez-Coll, Domingo; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando Journal of the European Ceramic Society 2015 / p. 4017-4021 : ill <https://doi.org/10.1016/j.jeurceramsoc.2015.06.011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Growth dynamics of nanocrystalline diamond films produced by microwave plasma enhanced chemical vapor deposition in methane/hydrogen/air mixture : scaling analysis of surface morphology**

Podgurski, Vitali; Bogatov, Andrei; Sedov, V.; Sildos, Ilmo; Mere, Arvo; Viljus, Mart; Buijnsters, J. G.; Ralchenko, V. Diamond and related materials 2015 / p. 172-179 : ill <https://doi.org/10.1016/j.diamond.2015.07.002> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Hard metals serviceability in sheet metal forming operations**

Reshetnjak, Heinrich 1996 [http://www.estr.ee/record=b1070449\\*est](http://www.estr.ee/record=b1070449*est)

**Hard PVD coatings for tooling = PVD kõvapindet tööriistamajanduses**

Gregor, Andre 2010 <https://digi.lib.ttu.ee/i/?495> [https://www.estr.ee/record=b2607112\\*est](http://www.estr.ee/record=b2607112*est)

**Hardfacings for extreme wear applications**

Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Saarna, Mart; Tarraste, Marek; Viljus, Mart Surface Modification Technologies XXVIII : proceedings of the Twenty Eighth International Conference on Surface Modification Technologies : Tampere University of Technology, Tampere, Finland, June 16-18, 2014 2015 / p. 149-157 : ill

**Hardness of multi wall carbon nanotubes reinforced aluminium matrix composites**

Bradbury, Christopher R.; Gomon, Jaana-Kateriina; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina Journal of alloys and compounds 2014 / p. 362-367 : ill <https://doi.org/10.1016/j.jallcom.2013.09.142> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Heat treatment of ultrafine grained AA6061 consolidation by equal channel angular pressing**

Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina Instrumentation and measurement systems 2015 / p. 252-256 <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.252>

**Heat treatment of ultrafine grained high-strength aluminum alloy**

Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina Engineering materials & tribology XXII 2014 / p. 273-276 : ill <https://doi.org/10.4028/www.scientific.net/KEM.604.273> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

**Heino Lepikson 100**

2014 [https://www.estr.ee/record=b3061745\\*est](http://www.estr.ee/record=b3061745*est)

### **High temperature cyclic impact/abrasion testing of boiler steels**

**Priss, Jelena; Klevtsov, Ivan; Dedov, Andrei; Antonov, Maksim;** Rojacz, Harald; Badisch, Ewald Engineering materials & tribology XXII 2014 / p. 289-292 <https://doi.org/10.4028/www.scientific.net/KEM.604.289> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

### **High temperature erosion wear of cermet particles reinforced self-fluxing alloy HVOF sprayed coatings**

**Surženkov, Andrei; Goljandin, Dmitri; Traksmaa, Rainer; Viljus, Mart; Talviste, Kristofer; Aruniit, Aare; Latokartano, Jyrki; Kulu, Priit** Medžiagotyra = Materials science 2015 / p. 386-390 : ill <https://doi.org/10.5755/j01.ms.21.3.7617> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **High temperature wear of cermet particle reinforced NiCrBSi hardfacing**

**Zikin, Arkadi; Antonov, Maksim; Hussainova, Irina** Tribology international 2013 / p. 45-55 : ill  
<https://doi.org/10.1016/j.triboint.2012.08.013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **High-energy ball milling of Nd-Fe-B powders**

**Mural, Zorjana; Kollo, Lauri; Kallip, Kaspar; Traksmaa, Rainer; Veinthal, Renno** Proceedings of the Applied Magnetic Materials 2013 Conference 2013 / p. 12-16 : ill

### **High-temperature erosion of Fe-based coatings reinforced with cermet particles**

**Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Kulu, Priit; Viljus, Mart; Traksmaa, Rainer; Mere, Arvo** Surface engineering 2016 / p. 624-630 : ill <https://doi.org/10.1080/02670844.2016.1145377> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Homogeneous deposition of copper oxide on mesoporous 1D alumina nanofibres by combustion approach**

**Kirakosyan, Khachatur; Aghayan, Marina; Rodriguez, Miguel Angel; Taleb, Masoud; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2016 / p. 97-100 : ill [https://artiklid.elnet.ee/record=b2768206\\*est](https://artiklid.elnet.ee/record=b2768206*est) <https://doi.org/10.3176/proc.2016.2.06> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Hoonete insenerivõrgud ja -seadmed. Küte ja ventilatsioon : kursuseprojekti koostamise juhised ehitustehnika liini üliõpilastele**

1995

### **Hot and cold of pressing effect on ECAP-parallel channel composite based on Al/ANF material**

**Pramono, Agus; Kommel, Lembit; Kollo, Lauri; Veinthal, Renno** Advanced materials research 2015 / p. 343-347  
<http://dx.doi.org/10.4028/www.scientific.net/AMR.1123.343>

### **Hot and cold regions during accumulative roll bonding of Al/Al<sub>2</sub>O<sub>3</sub> nanofibre composites**

**Pramono, Agus; Kollo, Lauri; Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2016 / p. 132-137 : ill  
[https://artiklid.elnet.ee/record=b2768216\\*est](https://artiklid.elnet.ee/record=b2768216*est) <https://doi.org/10.3176/proc.2016.2.12> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Hybrid graphene/alumina nanofibers for electroconductive zirconia**

**Drozdova, Maria; Perez-Coll, Domingo; Aghayan, Marina; Ivanov, Roman; Rodriguez, Miguel Angel; Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 15-20 : ill  
<https://doi.org/10.4028/www.scientific.net/KEM.674.15> Conference Proceedings at Scopus Article at Scopus

### **Hybrid syntactic foams of metal - fly ash cenosphere - clay**

Shishkin, Andrei; Mironovs, Viktors; Zemchenkov, Vjacheslav; **Antonov, Maksim; Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 35-40 : ill  
<https://doi.org/10.4028/www.scientific.net/KEM.674.35> Conference Proceedings at Scopus Article at Scopus

### **Impact and sliding wear properties of single layer, multilayer and nanocomposite physical vapour deposited (PVD) coatings on the plasma nitrided low-alloy 42CrMo4 steel**

**Surženkov, Andrei; Adoberg, Eron; Põdra, Priit; Sergejev, Fjodor; Mere, Arvo; Viljus, Mart; Mikli, Valdek; Antonov, Maksim; Kulu, Priit** Engineering materials and tribology 2013 / p. 223-228 : ill

### **Impact grinding and disintegrators**

**Tamm, Boris, inform.; Tümanok, Aleksei** Proceedings of the Estonian Academy of Sciences. Engineering 1996 / p. 209-223  
[https://www.esther.ee/record=b1072098\\*est](https://www.esther.ee/record=b1072098*est)

### **Influence of Cr, Ti and Zr oxides formation on high temperature sliding of NiAl-based plasma spray coatings**

Poliarus, Olena; Umansky, Oleksandr; Ukrainets, Maksym; Kostenko, Oleksii; **Antonov, Maksim; Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 308-312 : ill

**Influence of different reinforcing particles on the scratch resistance and microstructure of different WC–Ni composites**

Marou Alzouma, O.; Azman, M.-A.; Yung, Der-Liang; Fridrici, V.; Kapsa, Ph. Wear 2016 / p. 130-135 : ill

<https://doi.org/10.1016/j.wear.2016.02.011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Influence of hard cyclic viscoplastic deformation on chemical composition and micromechanical properties of phases of single crystal Ni-base superalloys**

Kommel, Lembit 13th International Symposium on Physics of Materials : ISPMA 13 : Prague 31.8-4.9.2014 : the book of abstracts 2014 / [1] p

**Influence of interphases on the mechanical properties of alumina nanofibers reinforced alumina nanocomposite**

Aghayan, Marina; Hussainova, Irina; Gasik, Michael; Kollo, Lauri Proceedings of the 1st ISN2A, 1st International Symposium on Nanoparticles/Nanomaterials and Applications : Caparica - Almada, Portugal, 20th-22th January 2014 2014 / p. 97

**Influence of laser hardening to the sliding wear resistance of the PVD (Al,Ti)N-G and nACo® coatings**

Surženkov, Andrei; Adoberg, Eron; Antonov, Maksim; Sergejev, Fjodor; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; Kulu, Priit Engineering materials & tribology XXII 2014 / p. 28-31 <https://doi.org/10.4028/www.scientific.net/KEM.604.28> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

**Influence of microstructure and chemical composition on toughness and wear resistance of carbide composites**

Petrov, Mihhail TÜ ja TTÜ doktorikool "Funktsoonalaed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Influence of microstructure and strengthening mechanism of AlMg5-Al2O3 nanocomposites prepared via spark plasma sintering**

Babu, N. Kishore; Kallip, Kaspar; Leparoux, Marc Materials & design 2016 / p. 534-544 : ill  
<http://dx.doi.org/10.1016/j.matdes.2016.01.138>

**Influence of precursor zirconium carbide powders on the properties of the spark plasma sintered ceramic composite materials**

Voltsihhin, Nikolai; Hussainova, Irina; Hannula, Simo-Pekka; Viljus, Mart Developments in Strategic Materials and Computational Design IV 2014 / p. 297-308 : ill <https://doi.org/10.1002/978111807743> Conference proceedings at Scopus Article at Scopus

**Influence of pressurized sintering on the performance of TiC-based cermets**

Kübara, Jakob; Klaasen, Heinrich; Tsinjan, Aleksei; Juhani, Kristjan; Kollo, Lauri; Viljus, Mart Engineering materials and tribology 2013 / p. 56-61 [https://www.researchgate.net/publication/272047524\\_Influence\\_of\\_Pressurized\\_Sintering\\_on\\_Performance\\_of\\_TiC-Based\\_Cermets](https://www.researchgate.net/publication/272047524_Influence_of_Pressurized_Sintering_on_Performance_of_TiC-Based_Cermets)

**Influence of sintering technology on cermet performance**

Kübara, Jakob; Pirso, Jüri; Juhani, Kristjan BALTTRIB'2013 : VII International Scientific Conference : 14-15 November 2013, Kaunas, Lithuania : proceedings 2013 / p. 56-61  
[https://www.researchgate.net/publication/384980961\\_Influence\\_of\\_sintering\\_technology\\_on\\_cermet\\_performance](https://www.researchgate.net/publication/384980961_Influence_of_sintering_technology_on_cermet_performance)

**Influence of surface morphology on the tribological behavior of diamond-like carbon coating**

Podgurski, Vitali; Bogatov, Andrei; Freund, Martin; Kulu, Priit Engineering materials and tribology 2013 / p. 83-91 : ill

**Inseneripedagoogika - mõjusam õpetus STEM-valdkonnas**

Rüütimann, Tiia; Kübara, Jakob Õpetajate Leht 2016 / lk. 13 [https://artiklid.elnet.ee/record=b2762809\\*est](https://artiklid.elnet.ee/record=b2762809*est)  
<https://oleht.ee/2016/04/inseneripedagoogika-mojusam-opetus-stem-valdkonnas/>

**Intermediate and low radiofrequency electromagnetic field transmission properties in case of common building materials [Online resource]**

Koppel, Tarmo; Shishkin, Andrei; Toropovs, Nikolajs; Haldre, Heldur; Hussainova, Irina; Mironovs, Viktors; Tint, Piia 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763144>

**Introduction**

Mellikov, Enn Tallinna Tehnikaülikooli ülevaated. K, Chemistry = Reports of Tallinn Technical University. K, Chemistry = Отчеты Таллинского технического университета. K, Chemistry : Chair of Semiconductor Materials Technology : activity report 1988-1993 1994 / p. 5 [https://www.esther.ee/record=b1065473\\*est](https://www.esther.ee/record=b1065473*est)

**Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites**

Kallip, Kaspar; Leparoux, Marc; AlOgab, Khaled A. Journal of alloys and compounds 2015 / p. 710-718 : ill  
<http://dx.doi.org/10.1016/j.jallcom.2015.06.169>

**Investigation of morphology changes on nanocrystalline diamond film surfaces during reciprocating sliding against**

## **Si3N4 balls**

**Bogatov, Andrei; Podgurski, Vitali; Raadik, Taavi; Kamjula, A. R.; Hantschel, Thomas; Tsigkourakos, M.; Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 126-129 <https://doi.org/10.4028/www.scientific.net/KEM.604.126> Conference proceedings at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Investigation of residual stresses and some elastic properties of brush-plated gold and silver galvanic coatings**

Lille, Harri; Kõo, Jakub; Rjabtšikov, Aleksander; Reitsnik, Renno; Veinthal, Renno; Mikli, Valdek; Sergejev, Fjodor Engineering materials and tribology 2013 / p. 125-130 : ill

## **Investigation of residual stresses in flame sprayed Ni-based wear resistant coatings by the hole-drilling and X-ray methods**

Ryabchikov, Alexander; Lille, Harri; Reitsnik, Renno; Toropov, Stanislav; **Surženkov, Andrei; Kulu, Priit** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany 2014 / p. 144-149 <https://doi.org/10.4028/www.scientific.net/MSF.768-769.144> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Investigation of severe plastic deformation processes for aluminum based composites = Alumiiniumi baasil komposiitiide süvaplastse deformatsiooni protsesside uurimine**

Pramono, Agus 2016 <https://digi.lib.ttu.ee/i/?7098> [https://www.esther.ee/record=b4640507\\*est](https://www.esther.ee/record=b4640507*est)

## **Investigation of some properties of brush-plated gold and silver galvanic coatings**

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Mikli, Valdek; Sergejev, Fjodor** Proceedings of the 2nd International Conference Optimization and Analysis of Structures : Tartu, Estonia, August 25-27, 2013 2013 / p. 101-107 : ill

## **Investigation of the fatigue mechanics aspects of PM hardmetals and cermets = Pulberkõvasulamite ja -kermiste väsimusmehaanika aspektide uurimine**

Sergejev, Fjodor 2007 [https://www.esther.ee/record=b2350243\\*est](https://www.esther.ee/record=b2350243*est)

## **Jet milling of the powders for Nd-Fe-B sintered magnets**

Mural, Zorjana; Kollo, Lauri; Veinthal, Renno 2014 International Conference on NdFeB Magnets : Supply Chain, Critical Properties, & Applications : proceedings : March 2-5th, 2014, New Century Grand Hotel Ningbo 2014 / p. 180-183 : ill

## **Ka karastatud klaas on klaas**

Kulu, Priit Inseneeria 2014 / lk. 8-9 : ill [https://artiklid.elnet.ee/record=b2687412\\*est](https://artiklid.elnet.ee/record=b2687412*est)

## **Karbiidteraste kulumiskindlus abrasiivjoas : magistritöö : (vene keeles)**

Annuka, Harri 1992 [http://www.esther.ee/record=b2488716\\*est](http://www.esther.ee/record=b2488716*est)

## **Kas Eestile on tarvis oma metallurgiatööstust?**

Kulu, Priit Insenerikultuur Eestis. 1 1992 / lk. 71-75 [https://www.esther.ee/record=b1063622\\*est](https://www.esther.ee/record=b1063622*est)

## **Katsetus- ja kalibreerimistegevus mehaanika ja metroloogia katselaboris**

Päärssoo, Riho TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 74-78 : fot [http://www.esther.ee/record=b2720689\\*est](http://www.esther.ee/record=b2720689*est)

## **Keevisõmbluste mittepurustav katsetamine [Võrguteavik] : kapillaarkatse. Aktsepteerimise tasemed = Non-destructive testing of welds : penetrant testing. Acceptance levels (ISO 23277:2015)**

2015 [http://www.esther.ee/record=b4532450\\*est](http://www.esther.ee/record=b4532450*est)

## **Keevisõmbluste mittepurustav katsetamine [Võrguteavik] : katsetamine ultraheliga. Meetodid, katsetamise tasemed ja hindamine = Non-destructive testing of welds : ultrasonic testing. Techniques, testing levels, and assessment (ISO 17640:2010)**

2015 [http://www.esther.ee/record=b4456155\\*est](http://www.esther.ee/record=b4456155*est)

## **Keevisõmbluste mittepurustav katsetamine [Võrguteavik] : magnetpulberkatse. Aktsepteerimise tasemed = Non-destructive testing of welds : magnetic particle testing. Acceptance levels (ISO 23278:2015)**

2015 [http://www.esther.ee/record=b4532453\\*est](http://www.esther.ee/record=b4532453*est)

## **Keevitajate atesteerimine : sulakeevitus. Osa 1, Terased = Qualification test of welders : fusion welding. Part 1, Steels**

2013 [https://www.esther.ee/record=b2908427\\*est](https://www.esther.ee/record=b2908427*est)

## **Keevitamine : MIG/MAG-keeitus**

Laansoo, Andres 2014 [https://www.esther.ee/record=b3071456\\*est](https://www.esther.ee/record=b3071456*est)

## **Keevitus ja külgnevad protsessid [Võrguteavik] : keevisliidete tähistamine tingmärkidega joonistel = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2013)**

2015 [http://www.estr.ee/record=b4478056\\*est](http://www.estr.ee/record=b4478056*est)

**Keevitus ja külgeavad protsessid [Võrguteavik] : protsesside nomenklatuur ja viitenumbrid = Welding and allied processes : nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01)**  
2016 [http://www.estr.ee/record=b4604543\\*est](http://www.estr.ee/record=b4604543*est)

**Keevitus [Võrguteavik] : terase, nikli, titaani ja nende sulamite sulakeevitusliited (välja arvatud kiirguskeevituse meetodid) ; Kvaliteeditasemed keevitusdefektide järgi = Welding : fusion-welding joints in steel, nickel, titanium and their alloys (beam welding excluded) ; Quality levels for imperfections (ISO 5817:2003)**

2015 [http://www.estr.ee/record=b4502650\\*est](http://www.estr.ee/record=b4502650*est)

### **Keevituse vooluallikate valik ja koormatavus**

**Laansoo, Andres** Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 4-5 [https://www.estr.ee/record=b5668719\\*est](https://www.estr.ee/record=b5668719*est)

### **Keevitusinverterid**

**Laansoo, Andres** Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 10-11 : ill [https://www.estr.ee/record=b5668719\\*est](https://www.estr.ee/record=b5668719*est)

### **Keevitusmaterjalid : standardid, markeering, koostis, omadused : [käsiraamat]**

1995 [https://www.estr.ee/record=b1068939\\*est](https://www.estr.ee/record=b1068939*est)

### **Keevitustehnoloogia**

**Laansoo, Andres** 2011 [http://www.estr.ee/record=b2738782\\*est](http://www.estr.ee/record=b2738782*est) <https://digikogu.taltech.ee/et/item/da9f0818-d5d9-4a5e-9355-ed5d225e09f3>

### **Keevitustööd : õppematerjal kutsekoolidele**

**Laansoo, Andres**; Pihl, Toomas 2014 [https://www.estr.ee/record=b4443922\\*est](https://www.estr.ee/record=b4443922*est)

### **Kellest saab TTÜ uus rektor? : Mente et Manu küsib**

Aaviksoo, Jaak; **Kübarsepp, Jakob; Salupere, Andrus**; Ustav, Mart Mente et Manu 2015 / lk. 4-8 : fot  
[https://artiklid.elnet.ee/record=b2718124\\*est](https://artiklid.elnet.ee/record=b2718124*est)

### **Kempomig seeria keevitusseadmed; Multisüsteemsed PSS-seeria keevituse vooluallikad**

**Laansoo, Andres** Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 4-6: ill [https://www.estr.ee/record=b5668719\\*est](https://www.estr.ee/record=b5668719*est)

### **"Kitsas" ja "lai" matemaatika**

**Kübarsepp, Jakob** Postimees 2014 / lk. 13

### **Kolm küsimust doktoriöppte süsteemi kohta**

Kirm, Marco; **Veinthal, Renno**; Niglas, Katrin; Jaakma, Ülle Sirp 2016 / lk. 36-37 <http://www.sirp.ee/s1-artiklid/c21-teadus/kolm-kusimust-doktorioppe-susteemi-kohta/>

### **Komposiitmaterjalid**

**Arensburger, Daniil** 2005 [http://www.estr.ee/record=b2033458\\*est](http://www.estr.ee/record=b2033458*est) <https://digikogu.taltech.ee/et/item/440a9e03-5695-4d7f-8a1f-fb91b9def74c>

### **Komposiitmaterjalid : täienduskursus : november 2007 - jaanuar 2008**

**Veinthal, Renno** 2008 [https://www.estr.ee/record=b4652765\\*est](https://www.estr.ee/record=b4652765*est)

**Konstruktsioonimaterjalide mehaanika : täienduskursus : jaanuar 2008 - märts 2008 : pöhineb projektil "Täiendkoolitus- ja e-õppe süsteemi väljaarendamine materjali-tehnoloogidele ja kvaliteediinseneridele polümeer- ja komposiitmaterjalide valdkonnas Põhjamaade ja Euroopa tehnikaülikoolide kogemustest lähtudes"**

**Saarna, Mart** 2008? [https://www.estr.ee/record=b4652774\\*est](https://www.estr.ee/record=b4652774*est)

### **Kuidas hoiduda arengulöksust?**

**Veinthal, Renno; Lopp, Margus; Kattel, Rainer; Öpik, Andres; Kamratov, Ardo** Mente et Manu 2014 / lk. 4-7 : fot  
[https://www.estr.ee/record=b1242496\\*est](https://www.estr.ee/record=b1242496*est)

### **Kuumstantsiste projekteerimine : metoodiline materjal**

1992 [https://www.estr.ee/record=b1063345\\*est](https://www.estr.ee/record=b1063345*est)

### **Laboratoorsete tööde juhendid metalliöpetuses**

1996 [https://www.estr.ee/record=b1058051\\*est](https://www.estr.ee/record=b1058051*est)

### **Laboratoorsete tööde juhendid metalliöpetuses. II**

1998 [https://www.estr.ee/record=b1207471\\*est](https://www.estr.ee/record=b1207471*est)

## **Laboratory testing of materials for tunnel boring machine drag bits**

**Katušin, Dmitri; Antonov, Maksim; Vu, Trieu Minh; Yung, Der-Liang** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 300-303 : ill

## **Laser ablation and thermal evaporation of thin films and structures**

**Podgurski, Vitali** 2001 [https://www.ester.ee/record=b1507144\\*est](https://www.ester.ee/record=b1507144*est)

## **Low temperature, spark plasma sintering behavior of zirconia added by a novel type of alumina nanofibers**

**Voltšihhin, Nikolai; Rodriguez, Miguel Angel; Hussainova, Irina; Aghayan, Marina** Ceramics international 2014 / p. 7235-7244 : ill  
<https://doi.org/10.1016/j.ceramint.2013.12.063> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Maailma ja Eesti kõrghariduse trendid**

**Kübarsepp, Jakob** Elektrala 2015 / lk. 8-10 : fot [https://artiklid.elnet.ee/record=b2740336\\*est](https://artiklid.elnet.ee/record=b2740336*est)

## **Malmi keevitamine**

**Laansoo, Andres** Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 8 [https://www.ester.ee/record=b5668719\\*est](https://www.ester.ee/record=b5668719*est)

## **Mapping of impact-abrasive wear performance of WC-Co cemented carbides**

**Antonov, Maksim; Veinthal, Renno; Yung, Der-Liang; Katušin, Dmitri; Hussainova, Irina** Wear 2015 / p. 971-978 : ill  
<https://doi.org/10.1016/j.wear.2015.02.031> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Masinaehitus ja metallitööstus läbi aegade**

**Kulu, Priit** Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 26-46 : ill

## **Masinaehitusmaterjalid. VI, Terase markeerimise põhimõtteid : metoodiline materjal**

1993 [https://www.ester.ee/record=b1064033\\*est](https://www.ester.ee/record=b1064033*est)

## **Masinatööstuse erialaliidud Eestis (EML 80)**

Höbemägi, Aleksei; **Kulu, Priit; Riives, Jüri** Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 16-25 : ill

## **Materjaliteadus [TTÜs]**

**Kulu, Priit** 75 aastat Tallinna Tehnikaülikooli 1994 / lk. 46-51 [https://www.ester.ee/record=b1066846\\*est](https://www.ester.ee/record=b1066846*est)

## **Materjaliteaduse hetkeseisust Eestis**

**Kulu, Priit** Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 257  
[https://www.ester.ee/record=b1052731\\*est](https://www.ester.ee/record=b1052731*est)

## **Materjaliteaduse koolkonnad Tehnikaülikoolis**

**Kulu, Priit** Insenerikultuur Eestis. 2 1995 / lk. 79-83: ill [https://www.ester.ee/record=b1063622\\*est](https://www.ester.ee/record=b1063622*est)

## **Materjalitehnika : õpik kõrgkoolidele. 1**

**Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Veinthal, Renno** 2015 [https://www.ester.ee/record=b4459279\\*est](https://www.ester.ee/record=b4459279*est)  
<https://digikogu.taltech.ee/et/item/c783c117-2ac8-4a7a-8417-21c90918ed51>

## **Materjalitehnika : õpik kõrgkoolidele. 2**

**Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Veinthal, Renno** 2015 [https://www.ester.ee/record=b4459287\\*est](https://www.ester.ee/record=b4459287*est)  
<https://digikogu.taltech.ee/et/item/4ab40e78-b578-4dcc-aa3e-6516e8fa33c9>

## **Materjalitehnika : õpperaamat**

**Hendre, Enn; Kulu, Priit; Kübarsepp, Jakob; Metusala, Tiit; Tapupere, Olev** 2003 [http://www.ester.ee/record=b1809587\\*est](http://www.ester.ee/record=b1809587*est)

## **Materjalitehnika instituudi teadustegevus : kaasaegsed multifunktionaalsed materjalid ja nende rakendused**

**Veinthal, Renno** TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 43-52 : ill., fot  
[http://www.ester.ee/record=b2720689\\*est](http://www.ester.ee/record=b2720689*est)

## **Materjalitehnika instituut**

**Kulu, Priit; Sergejev, Fjodor** Mehaanikainseneride koolitus 1998-2016 2016 / lk. 92-115 : ill., fot  
[https://www.ester.ee/record=b4640989\\*est](https://www.ester.ee/record=b4640989*est)

## **Materjalitehnika seletav sõnaraamat : eesti, inglise, vene**

**Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres; Karjust, Kristo; Saarna, Mart** 2013 [http://www.ester.ee/record=b2931759\\*est](http://www.ester.ee/record=b2931759*est)

## **Materjalitehnika seletav sõnaraamat : eesti-inglise-vene**

**Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres; Karjust, Kristo; Saarna, Mart** 2016 <https://digikogu.taltech.ee/et/item/b67162fb-6378-49d9-afe6-689539612fd0>

**Materjalitehnika seletav sõnaraamat : eesti-inglise-vene**  
Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres; Karjust, Kristo; Saarna, Mart 2014 [http://www.esther.ee/record=b4763202\\*est](http://www.esther.ee/record=b4763202*est)

**Materjalitehnika seletav sõnaraamat : eesti-inglise-vene**  
Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres 2014 [http://www.esther.ee/record=b4763379\\*est](http://www.esther.ee/record=b4763379*est)

**Materjalitehnika seletav sõnaraamat : inglise-eesti terminite register**  
2014 [http://www.esther.ee/record=b4763208\\*est](http://www.esther.ee/record=b4763208*est) <https://digikogu.taltech.ee/et/item/a5c09027-1f8d-41bf-857d-a6075e035322>

**Materjalitehnika seletav sõnaraamat : vene-eesti terminite register**  
2014 [http://www.esther.ee/record=b4763209\\*est](http://www.esther.ee/record=b4763209*est)

**Materjalitehnika. Tehnoloogiaprotsessid : laboratoorsete ja kodutööde juhendid**  
2008 [http://www.esther.ee/record=b2358983\\*est](http://www.esther.ee/record=b2358983*est)

**Materjaliöpetus : juhendmaterjalid ja ülesanded materjalitehnika bakalaureuseöpppe materjaliöpetuse kodu-, aine- ja lõputöödeks**  
2003 [http://www.esther.ee/record=b1824518\\*est](http://www.esther.ee/record=b1824518*est)

**Materjaliöpetuse laboratoorsete tööde juhend**  
2007 [https://www.esther.ee/record=b2229760\\*est](https://www.esther.ee/record=b2229760*est)

**Materjaliöpetuse praktikumide ja kodutööde juhendid**  
2010 [https://www.esther.ee/record=b2624752\\*est](https://www.esther.ee/record=b2624752*est) <https://digikogu.taltech.ee/et/item/5315a9bb-9e25-400a-89c3-9d0f1c3f03f7>

**Measurement of geometry of small axisymmetric sheet metal component after forming**  
Lend, Henri; Ratas, Kaarin; Peetsalu, Priidu Medžiagotrya = Materials science 2015 / p. 473-478 : ill  
<https://doi.org/10.5755/j01.ms.21.3.7384> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Measurement of residual stresses in the cold-rolled Fe-Ni-Mn/Invar thermo-bimetallic plate**  
Lille, Harri; Kõo, Jakub; Valgur, Jaak; Ryabchikov, Alexander; Reitsnik, Renno; Veinthal, Renno International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany Materials science forum 2014 / p. 101-106  
<https://doi.org/10.4028/www.scientific.net/MSF.768-769.101> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

**Mechanical and physical properties of thermally modified wood flour reinforced polypropylene composites**  
Kallakas, Heikko; Martin, Mihkel; Goljandin, Dmitri; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Agronomy research 2016 / p. 994-1003 : ill [http://ise.elnet.ee/record=b2891902-S1\\*est](http://ise.elnet.ee/record=b2891902-S1*est) Journal metrics at Scopus Article at Scopus

**Mechanical properties of aluminum, zirconium, hafnium and tantalum oxides and their nanolaminates grown by atomic layer deposition**  
Jõgiaas, Taivo; Zabels, Roberts; Tamm, Aile; Merisalu, Maito; Hussainova, Irina Surface and coatings technology 2015 / p. 36-42 : ill <https://doi.org/10.1016/j.surfcoat.2015.10.008> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Mechanical treatment of metal wastes**  
Kulu, Priit; Tümanok, Aleksei; Arensburger, Daniil Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 7-8 [https://www.esther.ee/record=b1492085\\*est](https://www.esther.ee/record=b1492085*est)

**Mehaanikainseneri käsiraamat**  
2015

**Mehaanikainseneri käsiraamat**  
2013 [https://www.esther.ee/record=b3007631\\*est](https://www.esther.ee/record=b3007631*est)

**Mehaanikainseneride koolitus 1998-2016**  
2016 [https://www.esther.ee/record=b4640989\\*est](https://www.esther.ee/record=b4640989*est)

**Mehaanikateaduskond**  
2013 [http://www.esther.ee/record=b2960912\\*est](http://www.esther.ee/record=b2960912*est)

**Mehaanikateaduskond = Faculty of Mechanical Engineering**  
2009 [https://www.esther.ee/record=b2545318\\*est](https://www.esther.ee/record=b2545318*est)

## Mehaanikateaduskond 75 : [ettekanne juubeliaktusel 30. septembril TTÜ aulas]

Otto, Tauno; Kulu, Priit Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 37-45

## Mehaanikateaduskond 2008

2008 [https://www.esther.ee/record=b2421266\\*est](https://www.esther.ee/record=b2421266*est)

## Mehaanikateaduskond 2011

Otto, Tauno; Kulu, Priit TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 26-32

[http://www.esther.ee/record=b2720689\\*est](http://www.esther.ee/record=b2720689*est)

## Mehaanikateaduskonna hetkeseisust ja tulevikust : [ettekanne mehaanikainseneride päeval 27. septembril 2013 TTÜs]

Otto, Tauno; Sergejev, Fjodor Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 191-193

## Mehaanikateaduskonna roll Eesti masinatööstuses

Kulu, Priit Eesti Masinatööstuse Liit 1991-2006 2006 / lk. 44-49 : portr [https://www.esther.ee/record=b2191227\\*est](https://www.esther.ee/record=b2191227*est)

## Mehhanotehnika valdkonna kutsestandardid : [ettekanne mehaanikainseneride päeval 27. septembril 2013 TTÜs]

Kulu, Priit; Paist, Aadu Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 213-215

## Metal powder/fly ash cenosphere/modified clay composite

Šiškins, Andrejs; Mironovs, Viktors; Zemčenkovs, Vjačeslavs; Hussainova, Irina Euro PM2014 proceedings : PM Functional Materials 2014

## Metallid 3D-sse

Veinthal, Renno; Kollo, Lauri; Pohlak, Meelis Äripäev 2015 / Tööstus, lk. 36-38

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008+A2:2012)

2013 [https://www.esther.ee/record=b2908512\\*est](https://www.esther.ee/record=b2908512*est)

## Metallide korrosioon ja korrosionitõrje : loengukonspekt

Talimets, Ellen 2004 [https://www.esther.ee/record=b1926933\\*est](https://www.esther.ee/record=b1926933*est)

## Metallide tehnoloogia kateeder 1947-1992. Materjalitehnika instituut 1992-2016

2016 [http://www.esther.ee/record=b4649065\\*est](http://www.esther.ee/record=b4649065*est)

## Metallide tööiga : korrosioon, kulumine, väsimine, roomavus

Kallas, Paul; Kulu, Priit 1994 [https://www.esther.ee/record=b1066558\\*est](https://www.esther.ee/record=b1066558*est)

## Metalliõpetus

Kulu, Priit 2005 [http://www.esther.ee/record=b2071764\\*est](http://www.esther.ee/record=b2071764*est)

## Metalliõpetus ja metallide tehnoloogia : eesti-inglise-saksa-vene terminid ja määratlused

1997 [https://www.esther.ee/record=b1053791\\*est](https://www.esther.ee/record=b1053791*est)

## Metalliõpetus ja metallide tehnoloogia. III, Keevitus. Termolõikamine. Jootmine. Termopindamine : eesti-inglise-saksa-vene terminid ja määratlused

1999 [https://www.esther.ee/record=b1059860\\*est](https://www.esther.ee/record=b1059860*est)

## Metalliõpetus ja metallide tehnoloogia. IV, Mehaanilised omadused ja teimimine. Mittepurustav kontroll : eesti-inglise-saksa-vene terminid ja määratlused

2001 [http://www.esther.ee/record=b1540220\\*est](http://www.esther.ee/record=b1540220*est)

## Metalliõpetuse laboratoorsete tööde juhendid

2000 [https://www.esther.ee/record=b1059269\\*est](https://www.esther.ee/record=b1059269*est)

## Metallobjektide 3D-printimine - uued võimalused ja väljakutsed

Pohlak, Meelis; Veinthal, Renno Eesti Päevaleht 2015 / Metallileht, lk. 2

## Metrological overview for coordinate measuring machines

Dhoska, Klodian; Kübarsepp, Toomas; Dorri, Altin; Pramono, Agus Instrumentation and measurement systems 2015 / p. 195-199 : ill <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.195>

## **Micromechanical properties and electrical conductivity of Cu and Cu-0.7wt% Cr alloy**

**Kommel, Lembit; Pardis, N.; Kimmari, Eduard** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 354-359 : ill

## **Microstructural aspects of thermal sprayed WC-Co coatings and Ni-Cr coated steels = WC-Co termopinnete ja Ni-Cr pinnatud teraste metallograafilised aspektid**

**Peetsalu, Priidu** 2007 [https://www.estet.ee/record=b2315917\\*est](https://www.estet.ee/record=b2315917*est)

## **Microstructure and properties of UFG metals and alloys**

**Kommel, Lembit** XII International Conference on Nanostructured Materials (NANO 2014) : July 13-18, 2014 : program 2014 / p. 103

## **Microstructure evolution and mechanical properties investigation of friction stir welded AlMg5-Al2O3 nanocomposites**

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc TMS 2016 : 145 Annual Meeting & Exhibition : supplemental proceedings 2016 / p. 729-736 : ill [http://dx.doi.org/10.1007/978-3-319-48254-5\\_87](http://dx.doi.org/10.1007/978-3-319-48254-5_87)

## **Microstructure evolution of WC-TiC-CO cemented carbides during reactive sintering**

**Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri** TÜ ja TTÜ doktorikool "Funktionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

## **Microstructure evolution of WC-TiC-Co cemented carbides during reactive sintering [Electronic resource]**

**Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Traksmaa, Rainer; Letunovitš, Sergei** Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / p. HM 70/1-HM 70/7 [CD-ROM]

## **Microstructure formation of (Ti, Mo)C-Ni cermet**

**Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan** TÜ ja TTÜ doktorikool "Funktionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

## **Microstructure, mechanical, and impression creep properties of AlMg5-0.5 vol% Al2O3 nanocomposites**

Talari, Mahesh Kumar; Babu, N. Kishore; **Kallip, Kaspar** Advanced engineering materials 2016 / p. 1958-1966 : ill <http://dx.doi.org/10.1002/adem.201600301>

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

**Pardis, N.; Chen, C.; Ebrahimi, R.; Kommel, Lembit** Materials science and engineering : A 2015 / p. 423-432 : ill <https://doi.org/10.1016/j.msea.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Miks ei edene doktoriõpingud?**

**Veinthal, Renno** Mente et Manu 2016 / lk. 4-6 : fot [https://artiklid.elnet.ee/record=b2758758\\*est](https://artiklid.elnet.ee/record=b2758758*est)

## **Milling metal chips into raw material of powder metallurgy by collision method**

**Aljas, Eerik; Goljandin, Dmitri; Tümanok, Aleksei** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 60-61: ill [https://www.estet.ee/record=b1492085\\*est](https://www.estet.ee/record=b1492085*est)

## **Mittepurustav katsetamine [Võrguteavik] : kapillaarkatse ja magnetpulberkatse. Vaatlemise tingimused (ISO 3059:2012) = Non-destructive testing : penetrant testing and magnetic particle testing. Viewing conditions (ISO 3059:2012)**

2016 [http://www.estet.ee/record=b4603989\\*est](http://www.estet.ee/record=b4603989*est)

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

Besterici, Michal; Ivan, Jozef; **Kulu, Priit; Arensburger, 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)

## **Molar mass and temperature dependence of the thermodiffusion of polyethylene oxide in water/ethanol mixtures**

Wang, Zilin; Afanasenkau, Dzmitry; **Dong, Minjie**; Huang, Danni; Wiegand, Simone Journal of chemical physics 2014 / art. 064904, 8 p. : ill <https://doi.org/10.1063/1.4891720> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Monoteralised pooljuhtpulbrid päikeseeenergeetikale = Monograins semiconductor powders for solar energetics**

**Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn** XVII Eesti keemiateaduse konverentsi ettekannete referaatid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 39-40 [https://www.estet.ee/record=b1070511\\*est](https://www.estet.ee/record=b1070511*est)

## **Morphological changes on diamond and DLC films during sliding wear = Morfoloogilised muutused teemant- ja teemandilaadsetel pinnetel liugkulumisel**

**Bogatov, Andrei** 2015 [http://www.estet.ee/record=b4447899\\*est](http://www.estet.ee/record=b4447899*est)

## **Nanocrystalline diamond films deformation observed during sliding tests against Si<sub>3</sub>N<sub>4</sub> balls as a possible cause for**

## **ripple formation on wear scars surface**

**Bogatov, Andrei; Viljus, Mart; Raadik, Taavi; Hantschel, Thomas; Podgurski, Vitali** Medžiagotyra = Materials science 2015 / p. 349-352 : ill <https://doi.org/10.5755/j01.ms.21.3.7232> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Nanoparticulate reinforced aluminum alloy composites produced by powder metallurgy route**

**Kallip, Kaspar; Kollo, Lauri; Leparoux, Marc; Bradbury, Christopher R.** Advanced composites for aerospace, marine, and land applications II : proceedings of a symposium sponsored by The Minerals, Metals & Materials Society (TMS) held during TMS 2015, March 15-19, 2015, Walt Disney World, Orlando, Florida, USA 2015 / p. 165-174 <http://dx.doi.org/10.1002/9781119093213>

## **Neljakümne aasta järel uus käsiraamat mehaanikainseneridele : sõnavött "Mehaanikainseneri käsiraamatu" esitlusel 21. juunil 2012 TTÜ raamatukogus**

**Kulu, Priit** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 279-281

## **NeTTUN project : how to increase the lifetime of TBM drag bits?**

Fridrici, V.; **Antonov, Maksim; Katušin, Dmitri; Yung, Der-Liang; Veinthal, Renno; Hussainova, Irina** 2nd Eastern European Tunnelling Conference "Tunneling in a Challenging Environment", Making tunneling business in difficult times : EETC 2014, Athens, Greece, 28 September - 1 October 2014 2014

## **New methodology for the antifungal testing of surfactant-free silver metal nanoparticles for applications in green housing**

**Küünal, Siim; Kutti, Sander; Rauwel, Protima; Wragg, David; Hussainova, Irina; Rauwel, Erwan** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 133-138 : ill

<https://doi.org/10.4028/www.scientific.net/KEM.674.133> Conference Proceedings at Scopus Article at Scopus

## **Non-equilibrium grain boundaries with excess energy in graphene**

Romanov, A. E.; Kolesnikova, A. L.; Orlova, T. S.; **Hussainova, Irina**; Bougov, V. E.; Valiev, R. Z. Carbon 2015 / p. 223-231 : ill <https://doi.org/10.1016/j.carbon.2014.09.053> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Norma 125 : ämbritest plekkpurkide ja turvavöödeni**

**Kulu, Priit** Inseneeria 2016 / lk. [50]-51 : ill [https://artiklid.elnet.ee/record=b2766802\\*est](https://artiklid.elnet.ee/record=b2766802*est)

## **Novel alumina-nanocarbon hybrids**

**Hussainova, Irina; Anoshkin, Ilya; Ivanov, Roman; Kübarsepp, Jakob** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 117

## **Novel methods for hardmetal production and recycling = Uudsed meetodid WC-Co kövasulamite valmistamiseks ja taaskasutamiseks**

**Joost, Renee** 2010 [https://www.esther.ee/record=b2604910\\*est](https://www.esther.ee/record=b2604910*est)

## **Novel synthesized and milled carbide-based composite powders for HVOF spray = Uudsed sünteesitud ja jahvatatud karbiidide baasil komposiitpulbrid kiirleekpihustuseks**

**Sarjas, Heikki** 2016 [https://www.esther.ee/record=b4569666\\*est](https://www.esther.ee/record=b4569666*est)

## **Novel WC-Co spray powders and HVOF sprayed coatings on their bases**

**Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Vuoristo, Petri** Surface Modification Technologies XXVIII : proceedings of the Twenty Eighth International Conference on Surface Modification Technologies : Tampere University of Technology, Tampere, Finland, June 16-18, 2014 2015 / p. 35-42 : ill

## **Novel wear resistant WC-based thermal sprayed coatings**

**Zimakov, Sergei** 2004 [https://www.esther.ee/record=b1988316\\*est](https://www.esther.ee/record=b1988316*est)

## **Novel wear resistant WC-based thermal sprayed coatings**

**Zimakov, Sergei; Kulu, Priit** 2004 [https://www.esther.ee/record=b1953734\\*est](https://www.esther.ee/record=b1953734*est)

## **Nutikas spetsialiseerumine ja selle kolm vaala : [teemat kommenteerivad Enn Saar, Renno Veinthal, jt.]**

**Saar, Enn; Veinthal, Renno** Inseneeria 2013 / lk. 14-18 : ill [https://artiklid.elnet.ee/record=b2654800\\*est](https://artiklid.elnet.ee/record=b2654800*est)

## **On determination of residual stresses in some PVD coatings by the curvature method**

Lille, Harri; Ryabchikov, Alexander; Lind, Liina; Sergejev, Fjodor; Adoberg, Eron; Peetsalu, Priidu Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 378-382 : ill

## **Optimization of hardmetal reinforcement content in Fe-based hardfacings for abrasive-impact wear conditions**

**Surženkov, Andrei; Tarbe, Riho; Tarraste, Marek; Simson, Taavi; Viljus, Mart; Kulu, Priit** European Conference on Heat Treatment 2016 and 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications : 11-13 May 2016, Prague, Czech Republic, Břevnov Monastery 2016 / [10] p. : ill

## **Optimization of mechanical strength of titania fibers fabricated by direct drawing**

Hanschmid, Kelli; Tätte, Tanel; **Hussainova, Irina** Applied physics. A, Materials science & processing 2013 / p. 663-671 : ill  
<https://doi.org/10.1007/s00339-013-7601-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Optimization of reinforcement content of powder metallurgy hardfacings in abrasive wear conditions**

**Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Viljus, Mart; Tarraste, Marek; Goljandin, Dmitri** Proceedings of the Estonian Academy of Sciences 2016 / p. 90-96 : ill [https://artiklid.elnet.ee/record=b2768203\\*est](https://artiklid.elnet.ee/record=b2768203*est) <https://doi.org/10.3176/proc.2016.2.03>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Order change and phase's redistribution in single crystal of Ni-based superalloy during hard cyclic viscoplastic deformation**

**Kommel, Lembit; Kodess, Boris N.; Kommel, Igor** Acta crystallographica section A : foundations and advances 2016 / p. 304  
<http://journals.iucr.org/a/issues/2016/a1/00/a54456/a54456.pdf>

## **Oxygen electroreduction on platinum nanoparticles activated electrodes deposited onto D-glucose derived carbon support in 0.1 M KOH**

**Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Lust, Enn** Journal of The Electrochemical Society 2016 / p. F1251-F1257 <https://doi.org/10.1149/2.1051610jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Particle reinforced polymer composites resistance to three body abrasive wear**

**Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres** TÜ ja TTÜ doktorikool "Funktsoonalaed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

## **Particle size and proportion influence to impact properties of particulate polymer composite**

**Aruniit, Aare; Kers, Jaan; Krumme, Andres; Peetsalu, Priidu** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 325-330 : ill

## **Performance of tool materials in blanking = Tööriistamaterjalide toimivus väljalöikestantsimisel**

**Tšinjan, Aleksei** 2012

## **Performance of tool steels strengthened by PVD coatings**

**Klaasen, Heinrich; Kübarsepp, Jakob; Tšinjan, Aleksei; Adoberg, Eron; Vainola, Vello** World PM 2010 : International Powder Metallurgy Congress & Exhibition : 10th October – 14th October 2010 : Fortezza da Basso, Florence, Italy 2010 / [6] p

## **Phase equilibrium evolution in single-crystal Ni-based superalloys**

**Kommel, Lembit** Superalloys 2015 / p. 171-202 : ill <http://dx.doi.org/10.5772/61102>

## **Physical-chemical interaction in NiAl-MeB<sub>2</sub> systems intended for tribological applications**

Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets, Maksym; **Antonov, Maksim** Welding journal 2015 / p. 225-230 : ill <https://aws-p-001-delivery.sitecorecontenthub.cloud/api/public/content/de3281a8c6654d108b8b8dfcdf286c4b?v=1c0c676e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Plasma transferred arc hardfacings reinforced by chromium carbide-based cermet particles**

**Zikin, Arkadi; Hussainova, Irina; Winkelmann, Horst; Kulu, Priit; Badisch, Ewald** Proceedings of the Heat Treatment and Surface Engineering 19th Congress : Glasgow, Scotland, 17-20 October, 2011 2011 / [5] p. : ill

## **Predictive tools for the isothermal hardening of strip steel parts in molten salt**

**Jaason, Karli; Peetsalu, Priidu; Saarna, Mart; Beilmann, Jüri** Proceedings of the Estonian Academy of Sciences 2016 / p. 152-158 : ill [https://artiklid.elnet.ee/record=b2768223\\*est](https://artiklid.elnet.ee/record=b2768223*est) <https://doi.org/10.3176/proc.2016.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Preface : [BALTMATTRIB 2015]**

**Kulu, Priit** Proceedings of the Estonian Academy of Sciences 2016 / p. 89 [https://artiklid.elnet.ee/record=b2768201\\*est](https://artiklid.elnet.ee/record=b2768201*est)

## **Processing and mechanical properties of ZrC-ZrO<sub>2</sub> composites**

**Voltšihhin, Nikolai; Hussainova, Irina; Kübarsepp, Jakob; Traksmaa, Rainer** Engineering materials & tribology XXII 2014 / p. 258-261 <https://doi.org/10.4028/www.scientific.net/KEM.604.258> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

## **Processing and properties of bulk ultrafine-grained pure niobium**

**Kommel, Lembit; Kimmari, Eduard; Saarna, Mart; Viljus, Mart** Journal of materials science 2013 / p. 4723-4729 : ill  
<https://doi.org/10.1007/s10853-013-7210-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Processing and properties of zirconia toughened WC-based cermets**

**Processing and properties of zirconia toughened WC-based cermets**

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Advanced processing and manufacturing technologies for structural and multifunctional materials VII : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 97-103

[https://ceramics.onlinelibrary.wiley.com/doi/abs/10.1002/9781118807965.ch11 Conference proceedings at Scopus Article at Scopus](https://ceramics.onlinelibrary.wiley.com/doi/abs/10.1002/9781118807965.ch11)

**Processing of industrial metal scrap by mechanical means**

Kulu, Priit; Tümanok, Aleksei United Nations Economic Commission for Europe (UN ECE) Working Party on Steel : Seminar on the Processing, Utilization and Disposal of Waste in the Steel Industry : Balatonszeplak (Hungary), 3-6 June 1996 1996 / [9] p.: ill

**Processing of recycled hard particle powders by PTA-technology**

Zikin, Arkadi; Ilo, S.; Kulu, Priit; Katsich, Christian; Badisch, Ewald; Hussainova, Irina 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 43

**Processing of ZrC-TiC composites by SPS**

Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; Traksmaa, Rainer 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. 94-99 : ill [https://doi.org/10.4028/www.scientific.net/KEM.674.94 Conference Proceedings at Scopus Article at Scopus](https://doi.org/10.4028/www.scientific.net/KEM.674.94)

**Production of superhard carbon rich boron carbon ( $B_{11.72}C_{3.28}$ ) based composite in the  $B_4C$ -Al-WC-Co-Cu system through SHS and SPS techniques [Electronic resource]**

Kommel, Lembit; Tarraste, Marek; Kolnes, Märt; Veinthal, Renno; Kübarsepp, Jakob Euro PM2015 Congress & Exibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

**Properties of steel powder prepared from bearing steel turnings**

Selecka, M.; Šalak, A.; Kulu, Priit Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 20-23: ill [https://www.esther.ee/record=b1492085\\*est](https://www.esther.ee/record=b1492085*est)

**Pultruding of metal powder filled glass fiber reinforced polymer composites**

Rummo, Henri; Veinthal, Renno; Aruunit, Aare 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. 48-53 : ill [https://doi.org/10.4028/www.scientific.net/KEM.674.48 Conference Proceedings at Scopus Article at Scopus](https://doi.org/10.4028/www.scientific.net/KEM.674.48)

**Punch lifetime in fine-blanking with optimum combination of mechanical properties**

Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart; Sergejev, Fjodor European Conference on Heat Treatment and 22nd IFHTSE Congress : Heat Treatment and Surface Engineering from tradition to innovation : Venice (Italy), 20-22 May 2015 2015 / [7] p

**Põltsamaa Keskkool / Ühisgümnaasium 95 (1918-2013) : Põltsamaa Keskkooli 43. lend - 50 aastat lõpetamisest (1963-2013)**

2013 [https://www.esther.ee/record=b5286130\\*est](https://www.esther.ee/record=b5286130*est)

**Quantifying graphitic edge exposure in graphene-based materials and its role in oxygen reduction reactions**

Stamatin, Serban; Hussainova, Irina; Ivanov, Roman; Colavita, Paula E. ASC catalysis 2016 / p. 5215-5221 : ill [https://doi.org/10.1021/acscatal.6b00945 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1021/acscatal.6b00945)

**Rahvusvaheline koostöö ülikoolide ja teadusasutustega**

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 57-63 [https://www.esther.ee/record=b4640989\\*est](https://www.esther.ee/record=b4640989*est)

**Rakendusuuringud materjalitehnoloogia valdkonnas : [ettekanne mehaanikainseneride päeval 27. septembril 2013 TTÜs]**  
Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 194-204 : ill

**Reactive sintered chromium and titanium carbide-based cermets = Reaktsioonpaagutatud kroom- ja titaankarbiidised kermised**

Juhani, Kristjan 2009 [https://www.esther.ee/record=b2498183\\*est](https://www.esther.ee/record=b2498183*est)

**Reactive sintering of bimodal WC-Co hardmetals**

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 382-385 : ill [https://doi.org/10.5755/j01.ms.21.3.7511 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.5755/j01.ms.21.3.7511)

**Reactive sintering of ZrC-TiC composites**

Yung, Der-Liang; Kollo, Lauri; Hussainova, Irina; Zikin, Arkadi Engineering materials and tribology 2013 / p. 20-25 [https://www.researchgate.net/publication/234110368\\_Reactive\\_Sintering\\_of\\_ZrC-TiC\\_Composites](https://www.researchgate.net/publication/234110368_Reactive_Sintering_of_ZrC-TiC_Composites)

**Reactive sintering of WC-Cr-Co hardmetals [Electronic resource]**

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Letunovitš, Sergei Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / [CD-ROM]

**Recycled hardmetal-based powder composite coatings : optimisation of composition, structure and properties**

Kulu, Priit; Käerdi, Helmo; Surženkov, Andrei; Tarbe, Riho; Veinthal, Renno; Goljandin, Dmitri; Zikin, Arkadi International journal of materials & product technology 2014 / p. 180-202 : ill <https://doi.org/10.1504/IJMPT.2014.064038> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Recycling of composite plastics = Komposiitplastide ringlus**

Kers, Jaan 2006 [https://www.est.ee/record=b2208721\\*est](https://www.est.ee/record=b2208721*est)

**Relaxation of residual stresses in brush-plated gold and silver coatings on copper and on brass substrates**

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; Sergejev, Fjodor; Dong, Minjie Residual stresses IX 2014 / p. 866-871 : ill <https://doi.org/10.4028/www.scientific.net/AMR.996.866> Article at Scopus Article at WOS

**Research on optoelectronic materials at Tallinn Technical University**

Mellikov, Enn; Kukk, Peeter-Enn; Krustok, Jüri Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 263 [https://www.est.ee/record=b1052731\\*est](https://www.est.ee/record=b1052731*est)

**Review of surface treatment technology in Estonia**

Kulu, Priit Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 4-5 [https://www.est.ee/record=b1492085\\*est](https://www.est.ee/record=b1492085*est)

**Riigi lennufirma omamise asemel võib teenust sisse osta**

Simson, Taavi Äripäev 2015 / lk. 19

**Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls**

Podgurski, Vitali; Hantschel, Thomas; Bogatov, Andrei; Kimmar, Eduard; Antonov, Maksim; Viljus, Mart; Mikli, Valdek; Raadik, Taavi; Kulu, Priit Tribology letters 2014 / p. 493-501 : ill <https://doi.org/10.1007/s11249-014-0379-z> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Saateks**

Kübarsepp, Jakob TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 5-6 [http://www.est.ee/record=b2720689\\*est](http://www.est.ee/record=b2720689*est)

**100 aastat mehaanikainseneride koolitust**

Kulu, Priit Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 52-[70] : ill [https://www.est.ee/record=b4577314\\*est](https://www.est.ee/record=b4577314*est)

**100 aastat mehaanikainseneride koolitust**

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 9-38 : ill [https://www.est.ee/record=b4640989\\*est](https://www.est.ee/record=b4640989*est)

**140 aastat kirjutusmasinaid**

Kulu, Priit Inseneeria 2014 / lk. 48-50 : ill [https://artiklid.elnet.ee/record=b2687430\\*est](https://artiklid.elnet.ee/record=b2687430*est)

**70 aastat mehaanikateaduskonda**

2006 [http://www.est.ee/record=b2191221\\*est](http://www.est.ee/record=b2191221*est)

**Selection of hardmetal containing hardfacings for different abrasive conditions**

Kulu, Priit; Surženkov, Andrei; Simson, Taavi; Sarjas, Heikki European Conference on Heat Treatment 2016 and 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications : 11-13 May 2016, Prague, Czech Republic, Břevnov Monastery 2016 / [10] p. : ill

**Sinter/HIP technology of TiC-based cermets = Titaankarbiidkermiste survepaagutustehnoloogia**

Kollo, Lauri 2007

**Sintering parameters of TiC cermets with FeCr binder**

Kolnes, Märt; Kübarsepp, Jakob TÜ ja TTÜ doktorikool "Funktionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Sliding wear behaviour of basalt containing composites with additions of either metallic and/or ceramic phases**

Antonov, Maksim; Goljandin, Dmitri; Andreev, A.; Voltšihhin, Nikolai; Hussainova, Irina BaltTrib 2013 : VII International Scientific Conference : proceedings 2013 / p. 67-72 : ill

**Sliding wear of HVOF sprayed self-fluxing alloy matrix cermet particles reinforced composite coatings**

**Surženkov, Andrei; Antonov, Maksim; Mikli, Valdek; Latokartano, Jyrki; Vilgo, Timo; Kulu, Priit** BALTTRIB'2013 : VII

International Scientific Conference : 14-15 November 2013, Kaunas, Lithuania : proceedings 2013 / p. 62-66

[https://www.researchgate.net/publication/258862543\\_SLIDING\\_WEAR\\_OF\\_HVOF\\_SPRAYED\\_SELF-FLUXING\\_ALLOY\\_MATRIX\\_CERMET\\_PARTICLES\\_REINFORCED\\_COMPOSITE\\_COATINGS](https://www.researchgate.net/publication/258862543_SLIDING_WEAR_OF_HVOF_SPRAYED_SELF-FLUXING_ALLOY_MATRIX_CERMET_PARTICLES_REINFORCED_COMPOSITE_COATINGS)

**Sliding wear of TiC-NiMo and Cr3C2-Ni cermet particles reinforced FeCrSiB matrix HVOF sprayed coatings**

**Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Vilgo, Timo; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; Kulu, Priit** Estonian journal of engineering 2013 / p. 203-211 : ill [https://doi.org/10.3176/eng.2013.3.03 Article at Scopus](https://doi.org/10.3176/eng.2013.3.03)

**Solid particle erosion : occurrence, prediction and control**

**Kleis, Ilmar; Kulu, Priit** 2008 [http://www.esther.ee/record=b2368841\\*est](http://www.esther.ee/record=b2368841*est)

**Solid particle erosion : occurrence, prognostification and control**

**Kleis, Ilmar; Kulu, Priit** 2005 [https://www.esther.ee/record=b2080005\\*est](https://www.esther.ee/record=b2080005*est)

**Spark plasma sintered Nd-Fe-B magnets from high-energy ball milled powders**

**Mural, Zorjana; Kollo, Lauri; Veinthal, Renno** The 24th International Workshop on Rare-Earth and Future Permanent Magnets and Their Applications (REPM 16) : 28 August - 1 September 2016, Darmstadt, Germany 2016 / p. 619-623

**Spark plasma sintered ZrC-Mo cermets : influence of temperature and compaction pressure**

**Yung, Der-Liang; Antonov, Maksim; Hussainova, Irina** Ceramics international 2016 / p. 12907-12913 : ill

[https://doi.org/10.1016/j.ceramint.2016.05.059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1016/j.ceramint.2016.05.059)

**Spark plasma sintering of WC hardmetals with Fe-based binder [Electronic resource]**

**Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Suurkivi, Taavi; Pirso, Jüri** World PM2016 proceedings 2016 / [6] p. : ill. [USB]

**Spinel alumina nanofibers synthesis via ALD coating of alumina nanofibers**

**Rauwel, Erwan; Nilsen, Ola; Rauwel, Protima; Galeckas, Augustinas; Wragg, David; Walmsley, John; Hussainova, Irina; Soots, Karel** WG2 workshop and 4th ALDCoE annual seminar : 23-24 May 2016, Helsinki, Finland : abstracts 2016 / [1] p. : ill.

**Steels, hardmetals and hardfacings for abrasive wear applications**

**Kulu, Priit; Tarbe, Riho; Saarna, Mart; Surženkov, Andrei; Peetsalu, Priidu; Viljus, Mart** European Conference on Heat Treatment and 21st IFHTSE Congress : May, 12th-15th, 2014, Munich, Germany : proceedings 2014 / p. 449-456 : ill

**Structure and magnetic properties of NdFeB powder prepared by hydrogen decrepitation and high-energy ball milling**

**Mural, Zorjana; Kollo, Lauri; Traksmaa, Rainer; Kallip, Kaspar; Link, Joosep; Veinthal, Renno** Engineering materials & tribology XXII 2014 / p. 262-266 [https://doi.org/10.4028/www.scientific.net/KEM.604.262 Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS](https://doi.org/10.4028/www.scientific.net/KEM.604.262)

**Structure and properties of HVOF-sprayed and PTA-welded cermet hard phase reinforced Fe-matrix based coatings**

**Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei; Tarbe, Riho** 2nd Mediterranean Conference & New Challenges on Heat Treatment and Surface Engineering : Dubrovnik-Cavtat, Croatia, 11-14 June 2013 2013 / p. 37-44

[https://www.inderscienceonline.com/doi/abs/10.1504/IJMMP.2014.061054 Journal metrics at Scopus Article at Scopus](https://www.inderscienceonline.com/doi/abs/10.1504/IJMMP.2014.061054)

**Structure and properties of HVOF-sprayed and PTA-welded cermet hard phase reinforced Fe-matrix-based coatings**

**Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei; Tarbe, Riho** International journal of microstructure and materials properties 2014 / p. 4-14 [https://doi.org/10.1504/IJMMP.2014.061054 Journal metrics at Scopus Article at Scopus](https://doi.org/10.1504/IJMMP.2014.061054)

**Structure and wear resistance of hard metals**

**Kübarsepp, Jakob; Reshetnjak, Heinrich; Järv, Jaan** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 26-28 [https://www.esther.ee/record=b1492085\\*est](http://www.esther.ee/record=b1492085*est)

**Structure formation and characteristics of chromium carbide-iron-titanium cermets**

**Kolnes, Märt; Pirso, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmaa, Rainer** Proceedings of the Estonian Academy of Sciences 2016 / p. 138-143 : ill [https://doi.org/10.3176/proc.2016.2.09 https://artiklid.elnet.ee/record=b2768217\\*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.3176/proc.2016.2.09)

**Structure formation and distribution of elements in the TiC-NiMo cemented carbides**

**Viljus, Mart; Pirso, Jüri** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 24-25 [https://www.esther.ee/record=b1492085\\*est](http://www.esther.ee/record=b1492085*est)

**Structure, phase composition, and wear mechanisms of plasma-sprayed NiCrSiB-20wt.% TiB<sub>2</sub> coatings**

**Umanskii, A.; Storoženko, M.; Hussainova, Irina; Antonov, Maksim** Powder metallurgy and metal ceramics 2015 / p. 663-671 : ill [https://doi.org/10.1007/s11106-015-9661-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1007/s11106-015-9661-3)

**Students' self-management : e-course, e-tutoring and online support system**  
Teichmann, Mare; Kübarsepp, Jakob; Ilvest, Jüri jr Innovative techniques in instruction technology, e-learning, e-assessment, and education 2008 / p. 304-308 : ill

**Study of residual stresses in some gas-flame sprayed coatings**  
Kulu, Priit; Kõo, Jakub; Lille, Harri; Pihl, Toomas Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 42 [https://www.estet.ee/record=b1492085\\*est](https://www.estet.ee/record=b1492085*est)

**Study of technology and properties of PVD TiN coatings**  
Rudenja, Sergei; Kulu, Priit; Mikli, Valdek Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 43 [https://www.estet.ee/record=b1492085\\*est](https://www.estet.ee/record=b1492085*est)

**Study of the ultrafine-grains intrinsic nanostructure refinement by severe plastic deformation of copper alloys**  
Kommel, Lembit; Veinthal, Renno; Mikli, Valdek; Dedov, Andrei OAS 2015 : proceedings of the 3nd [i.e. 3rd] International Conference Optimization and Analysis of Structures III : Tartu, Estonia, August 23-25, 2015 / p. 28-32 : ill

**Surface fatigue of Al-metal matrix composites at impact loading**  
Saarna, Mart; Sergejev, Fjodor; Gomon, Jaana-Katerina; Kollo, Lauri; Leparoux, Marc Engineering materials and tribology 2013 / p. 119-124 : ill

**Synthesis of ZrC-TiC blend by novel combination of sol-gel method and carbothermal reduction**  
Umalas, Madis; Reed, Valter; Lõhmus, Ants; Hussainova, Irina; Juhani, Kristjan Engineering materials and tribology 2013 / p. 62-67 [https://www.researchgate.net/publication/265844548\\_Synthesis\\_of\\_ZrC-TiC\\_Blend\\_by\\_Novel\\_Combination\\_of\\_Sol-Gel\\_Method\\_and\\_Carbothermal\\_Reduction](https://www.researchgate.net/publication/265844548_Synthesis_of_ZrC-TiC_Blend_by_Novel_Combination_of_Sol-Gel_Method_and_Carbothermal_Reduction)

**ZrC-based and ZrC-doped composites for high-temperature and wear applications = ZrC baasil ja ZrC-ga legeeritud komposiitmaterjalid rakendusteks kõrgtemperatuursetes ja kulumistingimustes**  
Yung, Der-Liang 2016 [http://www.estet.ee/record=b4621174\\*est](http://www.estet.ee/record=b4621174*est)

**Tallinna Masinatehas püsib juba poolteist sajandit oma ala eesrinnas**  
Kulu, Priit Inseneeria 2015 / lk. 44-45 : fot [https://artiklid.elnet.ee/record=b2748922\\*est](https://artiklid.elnet.ee/record=b2748922*est)

**Tallinna Tehnikaülikooli materjalitehnika instituut**  
Kulu, Priit Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 12 : fot [https://www.estet.ee/record=b5668719\\*est](https://www.estet.ee/record=b5668719*est)

**Teadus- ja arendustegevusest mehaanikateaduskonnas**  
Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 39-56 : ill [https://www.estet.ee/record=b4640989\\*est](https://www.estet.ee/record=b4640989*est)

**Tee maailmatasemel tipspetsialistik : [ka TTÜ teadusprorektor Renno Veinthal kommenteeritud]**  
Maidla, Margus Sirp 2016 / lk. 34-35 : ill <http://www.sirp.ee/s1-artiklid/c21-teadus/tee-maailmatasemel-tipspetsialistik/>

**Tehnikaülikool võttis vastu üle 3500 tudengi**  
Kübarsepp, Jakob; Urbla, Anne Mente et Manu 2014 / lk. 9-11 : fot., tab [https://artiklid.elnet.ee/record=b2682374\\*est](https://artiklid.elnet.ee/record=b2682374*est)

**Tehnoplastid : plastide üldisloomustus, plastide valik, plastide mehaanilised teimid, firmoplastid**  
1999 [https://www.estet.ee/record=b1222251\\*est](https://www.estet.ee/record=b1222251*est)

**Tenuur kui akadeemilise vabaduse tagatis**  
Aaviksoo, Jaak; Veinthal, Renno Sirp 2016 / lk. 15-16 : ill <http://www.sirp.ee/s1-artiklid/c21-teadus/tenuur-kui-akadeemilise-vabaduse-tagatis/>

**Terase kaarkeevitusliited : kvaliteeditasemete määramine keevitusvigade järgi**  
2000 [http://www.estet.ee/record=b1400416\\*est](http://www.estet.ee/record=b1400416*est)

**Terased & malmid : Vene, Saksa, Soome, Roots standardid (markeering, koostis, omadused) : vastavus**  
1993 [https://www.estet.ee/record=b1057362\\*est](https://www.estet.ee/record=b1057362*est)

**Terased : eurostandardid (liigitus, tähistus, markeering, koostis, margivastavus) : firmaterased. Alumiiniumisulamid : eurostandardid (markeering, koostis, margivastavus) : firmasulamid**  
1998 [https://www.estet.ee/record=b1223692\\*est](https://www.estet.ee/record=b1223692*est)

**Terased : Eurostandardid (liigitus, tähistus, markeering, koostis), vastavus**  
1996 [https://www.estet.ee/record=b1419131\\*est](https://www.estet.ee/record=b1419131*est)

**Terminiarendusest TTÜ-s kõrgkooliöpiku "Materjalitehnika" näitel**

**Termolõikamine [Võrguteavik]** : termolõigete klassifitseerimine. Toote geometrilised spetsifikatsioonid ja kvaliteedi tolerantsid = Thermal cutting : classification of thermal cuts. Geometrical product specification and quality tolerances 2015 [http://www.esther.ee/record=b4532515\\*est](http://www.esther.ee/record=b4532515*est)

**Tervisekulult tulumaks tagasi**

Simson, Taavi Äripäev 2015 / lk. 19

**Testing a method for evaluating the performance of coatings on end mills in semi-industrial conditions**

Leemet, Tönu; Allas, Jaanus; Madiisoo, Marten; Adoberg, Eron; Saar, Rando Agronomy research 2014 / p. 263-268 : ill

<https://www.cabidigitallibrary.org/doi/pdf/10.5555/20143184842> Journal metrics at Scopus Article at Scopus

**The aluminum based composite produced by Self propagating High temperature Synthesis**

Pramono, Agus; Kommel, Lembit; Kollo, Lauri; Veinthal, Renno Materials science = Medžiagotyra 2016 / p. 41-43 : ill

<https://doi.org/10.5755/j01.ms.22.1.7500> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The effect of Cr and C on the characteristics of WC-FeCr hardmetals [Electronic resource]**

Tarraste, Marek; Juhani, Kristjan; Kübarsepp, Jakob; Pirso, Jüri; Mikli, Valdek Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

**The effect of fine erodent retained on the surface during erosion of metals, ceramics, plastic, rubber and hardmetal**

Antonov, Maksim; Pirso, Jüri; Goljandin, Dmitri; Vallikivi, Ahto; Hussainova, Irina Wear 2016 / p. 53-68 : ill

<https://doi.org/10.1016/j.wear.2016.02.018> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The effect of low-friction PVD coatings on scuffing and pitting resistance of spur gears**

Michalczewski, Remigiusz; Szczerek, Marian; Tuszyński, Waldemar; Wulczynski, Jan; Antonov, Maksim Tribologia : teoria i praktyka 2013 / p. 55-66 : ill

**The effect of VC, TiC and Cr<sub>3</sub>C<sub>2</sub> on the microstructure and properties of WC-15CO hardmetals fabricated by the reactive sintering**

Pirso, Jüri; Juhani, Kristjan; Tarraste, Marek; Viljus, Mart; Letunovitš, Sergei Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 383-388 : ill

**The influence of alumina and zirconia coats on the tribological properties of alumina nanofibers**

Aghayan, Marina; Gasik, Michael; Kollo, Lauri; Hussainova, Irina; Rodriguez, Miguel Angel CIMTEC 2014 : 13th International Ceramics Congress : Montecatini Terme, Tuscany, Italy, June 8-13, 2014 : book of abstracts 2014

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

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [USB]

**The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C-Ni cermets**

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Traksmaa, Rainer Journal of alloys and compounds 2015 / p. 381-386 : ill <https://doi.org/10.1016/j.jallcom.2015.02.071> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The influence of sintering temperature of reactive sintered (Ti, Mo)C-Ni cermets**

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 435-438 : ill

<https://doi.org/10.5755/j01.ms.21.3.7179> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The influence of TiC powder to reactive sintered TiC-NiMo cermets microstructure and mechanical properties [Electronic resource]**

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / p. HM 71/1-HM 71/7 [CD-ROM]

**The microstructure and properties of fine-grained cermets**

Viljus, Mart 2003

**The oxidation of chromium and titanium carbide based hard metals**

Pirso, Jüri; Liiskmann, Guido Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 34-36: ill

[https://www.esther.ee/record=b1492085\\*est](https://www.esther.ee/record=b1492085*est)

**The role of silicon in the hot dip galvanizing process**

Sepper, Sirla; Peetsalu, Priidu; Kulu, Priit; Saarna, Mart; Mikli, Valdek Proceedings of the Estonian Academy of Sciences 2016 / p. 159-165 : ill [https://artiklid.elnet.ee/record=b2768226\\*est](https://artiklid.elnet.ee/record=b2768226*est) <https://doi.org/10.3176/proc.2016.2.11> Journal metrics at Scopus Article at

**The rolling contact fatigue of PVD coated spur gears**

Michałczewski, Remigiusz; Piekoszewski, Witold; Szczerk, Marian; Tuszyński, Waldemar; **Antonov, Maksim** Engineering materials and tribology 2013 / p. 77-82

[https://www.researchgate.net/publication/258178620\\_The\\_Rolling\\_Contact\\_Fatigue\\_of\\_PVD\\_Coated\\_Spur\\_Gears](https://www.researchgate.net/publication/258178620_The_Rolling_Contact_Fatigue_of_PVD_Coated_Spur_Gears)

**The science of sinter-HIP : when to turn on the gas**

Yung, Der-Liang; Tarraste, Marek; Hussainova, Irina TÜ ja TTÜ doktorikool "Funktiosaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

**Thermal and microstructural analysis of doped alumina nanofibers**

Aghayan, Marina; Gasik, Michael; Hussainova, Irina; Rubio-Marcos, Fernando; Kollo, Lauri; Kübarsepp, Jakob Thermochimica acta 2015 / p. 43-48 : ill <https://doi.org/10.1016/j.tca.2015.01.009> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Thermal residual stresses in chromium carbide based cermets**

Jasiuk, Iwona; Hussainova, Irina; Hamed, Elham; Yang, Ning; **Antonov, Maksim** Proceedings of the 8th International Congress on Thermal Stresses, 1-4 June 2009 : Thermal Stresses 2009 : Abstract book vol. 2 2009 / p. 483-486 : ill

**Thermal shock resistance of chromium carbide-based cermets**

**Antonov, Maksim; Pirso, Jüri** Encyclopedia of thermal stresses 2014 / p. 5128-5135 : ill

**Thermoreactive polymer composite with high particulate filler content = Suure pulbrilise täiteaine sisaldusega termoreaktiivne polümeerkomposiit**

Aruniit, Aare 2014 [http://www.esther.ee/record=b3092370\\*est](http://www.esther.ee/record=b3092370*est)

**Three-body abrasive wear of reactive sintered WC-Co hardmetals with grain growth inhibitors**

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Suurküvi, Taavi Engineering materials & tribology XXII 2014 / p. 277-282 <https://doi.org/10.4028/www.scientific.net/KEM.604.277> [Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS](#)

**Three-body abrasive wear of WC-Co composites manufactured by reactive sintering of nanocrystalline powders [Electronic resource]**

Juhani, Kristjan; Joost, Renee; Pirso, Jüri; Letunovitš, Sergei; Viljus, Mart; Tarraste, Marek 5th World Tribology Congress, WTC 2013 : [proceedings]. Vol. 3 2014 / p. 2084-2087. [CD-ROM]

**Titanium and chromium carbide based cermets**

Pirso, Jüri 1996 [http://www.esther.ee/record=b1070455\\*est](http://www.esther.ee/record=b1070455*est)

**Tool life in stainless steel AISI 304 : applicability of Colding's tool life equation for varying tool coatings**

Johansson, Daniel; Leemet, Tõnu; Allas, Jaanus; Madissoo, Marten; **Adoberg, Eron**; Schultheiss, Fredrik Proceedings of the Estonian Academy of Sciences 2016 / p. 172-176 : ill [https://artiklid.elnet.ee/record=b2768232\\*est](https://artiklid.elnet.ee/record=b2768232*est) <https://doi.org/10.3176/proc.2016.2.13> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Tool wear investigations by direct and indirect methods in end milling**

Leemet, Tõnu; **Allas, Jaanus; Adoberg, Eron** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 133-138 : ill

**TPI/TTÜ mehaanikateaduskonna dekaanid läbi aegade**

Kulu, Priit TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 11-25 : portr [http://www.esther.ee/record=b2720689\\*est](http://www.esther.ee/record=b2720689*est)

**TPI/TTÜ mehaanikateaduskonna dekaanid läbi aegade**

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 201-202 [https://www.esther.ee/record=b4640989\\*est](https://www.esther.ee/record=b4640989*est)

**Tribological behavior of carbon nanofibers deposited on hard nanocomposite (nc-Ti<sub>1-x</sub>Al<sub>x</sub>N)/(a-Si<sub>3</sub>N<sub>4</sub>) coating**

Kimmari, Eduard; Podgurski, Vitali; Simunin, M.; **Adoberg, Eron; Surženkov, Andrei; Viljus, Mart**; Hartelt, M.; Wäsche, R.; Sildos, Ilmo; Kulu, Priit Surface & coatings technology 2013 / p. 21-25 : ill <https://doi.org/10.1016/j.surfcoat.2013.03.011> <https://www.sciencedirect.com/science/article/pii/S0257897213002636?via%3Dihub> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

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

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

#### Tribological parameters of copper-alumina composite

Hvizdoš, Pavol; Kulu, Priit; Besterci, 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)

#### Tribology of fine-grained cermets

Letunovitš, Sergei 2003 [https://www.estr.ee/record=b1782627\\*est](https://www.estr.ee/record=b1782627*est)

#### TTÜ materjalitehnika instituudi koostöö ettevõteteaga

Veinthal, Renno Inseneeria 2011 / lk. 15-17 : ill [https://www.estr.ee/record=b1519314\\*est](https://www.estr.ee/record=b1519314*est)

#### TTÜ mehaanikateaduskond 75!

Kulu, Priit Inseneeria 2011 / lk. 8-10 : ill [https://www.estr.ee/record=b1519314\\*est](https://www.estr.ee/record=b1519314*est)

#### TTÜ mehaanikateaduskond 2011

Otto, Tauno; Kulu, Priit Inseneeria 2011 / lk. 10-13 : ill [https://www.estr.ee/record=b1519314\\*est](https://www.estr.ee/record=b1519314*est)

#### TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit

2011 [http://www.estr.ee/record=b2720689\\*est](http://www.estr.ee/record=b2720689*est)

#### TTÜ tehnoloogiline võimekus : (kõrgkoolide laboratoorne baas, teaduse põhitemaatika)

Karjust, Kristo; Sergejev, Fjodor Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 95-121 : ill

#### TTÜ õppekavade süsteem eile, täna ja homme

Kübarsepp, Jakob Mente et Manu 2013 / lk. 6-8 : fot

#### Ultra high-pressure spark plasma sintered ZrC-Mo and ZrC-TiC composites

Yung, Der-Liang; Cygan, Slawomir; Antonov, Maksim; Jaworska, Lucyna; Hussainova, Irina International journal of refractory metals and hard materials 2016 / p. 201-206 : ill <https://doi.org/10.1016/j.ijrmhm.2016.09.014> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### Ultrahigh aspect ratio alumina nanofibers as reinforcements

Hussainova, Irina; Gasik, Michael; Aghayan, Marina 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 117

#### Utilisation of industrial metal scrap by mechanical means

Kulu, Priit; Tümanok, Aleksei; Mikli, Valdek Proceedings of the Estonian Academy of Sciences. Engineering 1996 / p. 36-48 : ill

#### Uudiskirjandus

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 14 [https://www.estr.ee/record=b5668719\\*est](https://www.estr.ee/record=b5668719*est)

#### Uudus Randmer 16.11.1920-31.12.2011 : in memoriam

Laansoo, Andres Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 307-308

#### Uued perspektiivid tüvi- ja vähirakkude uurimisel

Hussainova, Irina; Vähi, Kersti Mente et Manu 2016 / lk. 24-25 : fot [http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM\\_2016\\_05/index.html](http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html) [https://artiklid.elnet.ee/record=b2797135\\*est](https://artiklid.elnet.ee/record=b2797135*est)

#### Uued võimalused 3D-printimise valdkonnas - metallide printimine peagi võimalik ka Eestis

Jõeleht, Marek; Kollo, Lauri; Pohlak, Meelis; Veinthal, Renno Inseneeria 2015 / lk. 32-35 : ill

[https://artiklid.elnet.ee/record=b2725592\\*est](https://artiklid.elnet.ee/record=b2725592*est)

#### Uued õppekavad

Kulu, Priit; Eerme, Martin; Paist, Aadu TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 79-82 : ill [http://www.estr.ee/record=b2720689\\*est](http://www.estr.ee/record=b2720689*est)

#### Uuenduslik tootmine : käsiraamat

Riives, Jüri; Lumiste, Rünno; Reedik, Vello; Roosimölder, Lembit; Karjust, Kristo; Kers, Jaan; Kiolein, Indrek; Kokla, Margo; Küttner, Rein; Lavin, Jaak; Lavrentjev, Jüri; Lõun, Kaia; Mõtus, Leo; Naams, Invar; Otto, Tauno; Pohlak, Meelis; Raba, Karl; Saks, Alo; Talkop, Adolf; Tähemaa, Toivo; Veinthal, Renno 2011 [http://www.estr.ee/record=b2736534\\*est](http://www.estr.ee/record=b2736534*est)

#### Valandite projekteerimine : metoodiline materjal

1995 [https://www.estr.ee/record=b1068035\\*est](https://www.estr.ee/record=b1068035*est)

**Wear behavior of Co-free hardmetals doped by zirconia and produced by conventional PM and SPS routines**  
Hussainova, Irina; Antonov, Maksim; Voltšihhin, Nikolai; Kübarsepp, Jakob Wear 2014 / p. 83-90 : ill  
<https://doi.org/10.1016/j.wear.2014.01.014> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Wear behavior of recycled hard particle reinforced NiCrBSi hardfacings deposited by plasma transferred arc (PTA) process**  
Zikin, Arkadi; Hussainova, Irina; Katsich, Christian; Kulu, Priit; Goljandin, Dmitri Engineering materials and tribology 2013 / p. 179-184  
[https://www.researchgate.net/publication/236332219\\_Wear\\_Behaviour\\_of\\_Recycled\\_Hard\\_Particle\\_Reinforced\\_NiCrBSi\\_Hardfacings\\_Deposited\\_by\\_Plasma\\_Transferred\\_Arc\\_PTA\\_Process](https://www.researchgate.net/publication/236332219_Wear_Behaviour_of_Recycled_Hard_Particle_Reinforced_NiCrBSi_Hardfacings_Deposited_by_Plasma_Transferred_Arc_PTA_Process)

**Wear behaviour of doped WC–Ni based hardmetals tested by four methods**  
Yung, Der-Liang; Antonov, Maksim; Veinthal, Renno; Hussainova, Irina Wear 2016 / p. 171-179 : ill  
<https://doi.org/10.1016/j.wear.2016.02.015> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Wear of different PVD coatings at industrial fine-blanking field tests**  
Lind, Liina; Peetsalu, Priidu; Sergejev, Fjodor Medžiagotyra = Materials science 2015 / p. 343-348 : ill  
<https://doi.org/10.5755/j01.ms.21.3.7249> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Wear of PVD coatings on fineblanking punches = PVD pinnette kulumine siselõikestantsi templitel**  
Lind, Liina 2014 [https://www.est.ee/record=b4422007\\*est](https://www.est.ee/record=b4422007*est)

**Wear performance of hierarchically structured alumina reinforced by hybrid graphene encapsulated alumina nanofibers**  
Hussainova, Irina; Baroninš, Janis; Drozdova, Maria; Antonov, Maksim Wear 2016 / p. 287-295 : ill  
<https://doi.org/10.1016/j.wear.2016.09.028> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Wear performance of WC-and TiC-based ceramic-metallic composites = WC- ja TiC-baasil keraamilis-metalsete komposiitiide kulumiskindlus**  
Roosaar, Tõnu 2010 [https://www.est.ee/record=b2634532\\*est](https://www.est.ee/record=b2634532*est)

**Wear resistance and selection of steels, hardmetals and hardfacings for abrasive wear conditions**  
Kulu, Priit; Tarbe, Riho; Saarna, Mart; Surženkov, Andrei; Peetsalu, Priidu; Talviste, Kristofer International journal of microstructure and materials properties 2015 / p. 101-113 <https://doi.org/10.1504/IJMMP.2015.068718> Journal metrics at Scopus Article at Scopus

**Wear resistance influencers of particle reinforced polymer composite**  
Arumiit, Aare; Kers, Jaan; Krumme, Andres; Antonov, Maksim; Allikas, Georg; Herranen, Henrik; Pabut, Ott Proceedings of 19th International Conference on Composite Materials (ICCM19) 2013

**Wear resistance of HVOF sprayed coatings from mechanically activated thermally synthesized Cr<sub>3</sub>C<sub>2</sub>-Ni spray powder**  
Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Viljus, Mart; Matikainen, Ville; Vuoristo, Petri Proceedings of the Estonian Academy of Sciences 2016 / p. 101-106 : ill [https://artiklid.elnet.ee/record=b2768209\\*est](https://artiklid.elnet.ee/record=b2768209*est) <https://doi.org/10.3176/proc.2016.2.10> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Web-based freshmen support system at Tallinn University of Technology [Electronic resource]**  
Teichmann, Mare; Kübarsepp, Jakob; Ilvest, Jüri jr Proceedings of Research Symposium on Problem Based Learning : Aalborg University, Denmark, June 30 - July 1, 2008 2008 / [5] p. : ill [CD-ROM]

**Värvilismetallid & -sulamid : Vene, Saksa, Soome, Roots'i standardid (markeering, koostis, omadused) : vastavus**  
1994 [https://www.est.ee/record=b1297803\\*est](https://www.est.ee/record=b1297803*est)

**Ühendpooljuhtmaterjalide õhukesed kiled keemilise pihustamise meetodil = Thin films of compound semiconductor materials by chemical spray pyrolysis**  
Krunks, Malle; Mellikov, Enn; Varema, Tiit; Bijakina, Olga; Niinistö, L. XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaatid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 87-88  
[https://www.est.ee/record=b1070511\\*est](https://www.est.ee/record=b1070511*est)

**Абразивная износостойкость карбидосталей**  
Kübarsepp, Jakob; Annuka, Harri; Valdma, Leo Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 23-24 [https://www.est.ee/record=b1256812\\*est](https://www.est.ee/record=b1256812*est)

**Влияние размоля на некоторые свойства металлических порошков и порошковых смесей**  
Kulu, Priit; Letunovitš, Sergei; Pastak, Lauri XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 133 [https://www.est.ee/record=b1322629\\*est](https://www.est.ee/record=b1322629*est)

## **Вопросы триботехнического материаловедения порошковых карбидостальных композитов**

**Valdma, Leo; Kübarsepp, Jakob; Annuka, Harri** Современные проблемы триботехнологии : тезисы докладов Всесоюзный научно-технологической конференций 1988 / с. 152-153

## **Дефектный состав порошкового сульфида кадмия с примесью серебра и хлора**

**Mädasson, Jaan; Krustok, Jüri; Altosaar, Mare** Дефекты структуры и свойства керамики : четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. : тезисы докладов 1985 / с. 132

## **Исследование методом наноиндетирования микромеханических свойств полос сдвига в нанокристаллическом чистом ниобии, полученном при интенсивной пластической деформации**

**Kommel, Lembit** НАНО 2013 : в Всероссийская конференция по наноматериалам : сборник материалов : 23-27 сентября 2013 г., г. Звенигород 2013 / с. 414-416

## **Исследование некоторых условий применяемости твердых сплавов TiC-сталь при абразивном и гидроабразивном изнашивании**

**Kübarsepp, Jakob; Annuka, Harri; Valdma, Leo** Трение и износ = Friction and Wear : международный научный журнал 1985 / с. 851-858 : илл [https://www.esther.ee/record=b1312784\\*est](https://www.esther.ee/record=b1312784*est)

## **Исследование температурного тушения фотопроводимости в пленках CdS**

**Kropman, Daniel** Полупроводниковые материалы. 1 1969 / с. 107-113 : илл [https://www.esther.ee/record=b1346474\\*est](https://www.esther.ee/record=b1346474*est)  
<https://digikogu.taltech.ee/et/item/da24f532-932d-41c5-8925-a52dfa4b18c8/>

## **Комплекс износстойкость - прочность порошковых карбидосталей**

**Valdma, Leo; Annuka, Harri; Kübarsepp, Jakob** Трение и износ = Friction and Wear : международный научный журнал 1987 / с. 368-373 : илл [https://www.esther.ee/record=b1312784\\*est](https://www.esther.ee/record=b1312784*est)

## **Критический радиус включений диоксида циркония в эффекте трансформационного упрочнения керамик**

Filippov, Roman; Freidin, Alexander; Hussainova, Irina; Vilchevskaya, Elena Физическая мезомеханика 2014 / с. 55-64 : илл

## **Лазерная абляция магнитных и полупроводниковых материалов : работа ... магистра технических наук**

**Podgurski, Vitali** 1996 [https://www.esther.ee/record=b2681294\\*est](https://www.esther.ee/record=b2681294*est)

## **Механические свойства и абразивная износстойкость карбидосталей**

**Kübarsepp, Jakob; Rešetnjak, Heinrich; Annuka, Harri** Порошковая металлургия : тезисы докладов XVI Всесоюзная научно-техническая конференция, Свердловск, 1989. Ч. 2 1989 / с. 64-65

## **Некоторые закономерности изнашивания карбидосталей в условиях абразивной эрозии**

Rešetnjak, Heinrich; Kübarsepp, Jakob; Sepp, A.; Annuka, Harri Трение и износ = Friction and Wear : международный научный журнал 1989 / с. 525-529 : илл [https://www.esther.ee/record=b1312784\\*est](https://www.esther.ee/record=b1312784*est)

## **Некоторые проблемы изготовления и применения карбидотитановых сплавов со стальным свезками**

**Kübarsepp, Jakob; Valdma, Leo; Annuka, Harri** Металловедение и термическая обработка металлов : [ежемесячный научно-технический и производственный журнал] 1987 / с. 43-45 : илл

## **Некоторые проблемы применения термической обработки сплавов TiC-сталь**

**Kübarsepp, Jakob; Annuka, Harri; Valdma, Leo** Безвольфрамовые порошковые твердые сплавы и карбидостали. Часть 1 : тезисы докладов IV республиканской научно-технической конференции 1985 / с. 15-17 : таб [https://www.esther.ee/record=b1253975\\*est](https://www.esther.ee/record=b1253975*est)

## **Некоторые пути повышения износстойкости твердых сплавов TiC-сталь в абразивной струе**

**Kübarsepp, Jakob; Valdma, Leo; Annuka, Harri** Трение и износ = Friction and Wear : международный научный журнал 1985 / с. 698-703 : илл [https://www.esther.ee/record=b1312784\\*est](https://www.esther.ee/record=b1312784*est)

## **О Методике испытания наплавок в гидроабразивной среде**

**Vakker, G.; Kallas, Paul** XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 128 [https://www.esther.ee/record=b1322629\\*est](https://www.esther.ee/record=b1322629*est)

## **О составе химически пульверизированных пленок сульфида свинца**

**Tönsberg, Pärtel; Nirg, M.** II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 105 [https://www.esther.ee/record=b1308855\\*est](https://www.esther.ee/record=b1308855*est)

## **Порошковые дисперсионно-твердеющие сплавы на основе меди : работа на соискку степ. магистра техн. наук Letunovič, Sergei** 1992 [https://www.esther.ee/record=b2631161\\*est](https://www.esther.ee/record=b2631161*est)

## **Проблемы выбора состава твердых сплавов для изготовления износостойких деталей**

**Kübarsepp, Jakob; Valdma, Leo; Annuka, Harri** Безвольфрамовые порошковые твердые сплавы и карбидостали. Часть 1 : тезисы докладов IV республиканской научно-технической конференции 1985 / с. 13-15 [https://www.estr.ee/record=b1253975\\*est](https://www.estr.ee/record=b1253975*est)

**Прочность при изгибе и ударная вязкость карбидосталей**

**Kübarsepp, Jakob; Annuka, Harri** Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1989 / с. 75-79 : илл [https://www.estr.ee/record=b1645489\\*est](https://www.estr.ee/record=b1645489*est)

**Прочность, вязкость и пластичность карбидосталей**

**Kübarsepp, Jakob; Annuka, Harri; Rešetnjak, Heinrich** Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 19-21 [https://www.estr.ee/record=b1256812\\*est](https://www.estr.ee/record=b1256812*est)

**Разработка технологии изготовления порошковых композиционных магнитомягких материалов (ПКММ) : работа на соиск. степ. магистра техн. наук**

**Liimann, Väino** 1992 [https://www.estr.ee/record=b2631149\\*est](https://www.estr.ee/record=b2631149*est)

**Руководство к лабораторным работам по технологии конструкционных материалов**

2006 [http://www.estr.ee/record=b2166920\\*est](http://www.estr.ee/record=b2166920*est)

**Структурно-фазовый состав и механизмы изнашивания плазменного покрытия системы NiCrSiB-20% (мас.) TiB2**

Umanskii, A.; Storoženko, M.; **Hussainova, Irina; Antonov, Maksim** Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 2014 / с. 57-68

**Структурные характеристики легированных жаропрочных сплавов на основе Ni3Al**

**Kommel, Lembit; Kodess, Boris N.; Kommel, Igor** Сборник тезисов Первого Российского кристаллографического конгресса : 21-26 ноября 2016, г. Москва 2016 / с. 375 [http://www.issp.ac.ru/ebooks/conf/Cryst\\_Congress\\_1.pdf](http://www.issp.ac.ru/ebooks/conf/Cryst_Congress_1.pdf)

**Упругие модели дефектов в двумерных кристаллах**

Kolesnikova, Anna; Orlova, T.; **Hussainova, Irina; Romanov, Alexey** Физика твердого тела 2014 / с. 2480-2485 : ил

**Условия размола порошковых смесей сталь - карбид титана**

**Arensburger, Daniil; Kübarsepp, Jakob** Порошковая металлургия : сборник статей. 2 1977 / с. 3-10 : илл [https://www.estr.ee/record=b2111366\\*est](https://www.estr.ee/record=b2111366*est) <https://digikogu.taltech.ee/et/item/70a3ad25-126c-4b5f-b887-e5dc1aa558b3>