

Application of the continuous indentation test method for the characterization of mechanical properties of B4C/Al composites

Kimmari, Eduard; Kummel, Lembit Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 399-407 : ill

Boron carbide based composites manufacturing and recycling features

Kummel, Lembit; Kimmari, Eduard Materials science = Medžiagotyra 2006 / 1, p. 48-52 : ill

Dependence of the friction coefficient on roughness parameters during early stage fretting of (Al,Ti)N coated surfaces

Podgurski, Vitali; Adoberg, Eron; Surženkov, Andrei; Kimmari, Eduard; Viljus, Mart; Mikli, Valdek; Hartelt, M.; Wäsche, R.; Šima, M.; Kulu, Priit Wear 2011 / p. 853-858 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0043164811001815>

Design of superhard c-BC2N-precipitates in B4C/Al-composites through SHS and heat treatment

Kummel, Lembit; Metsvahi, Rainer; Viljus, Mart; Kimmari, Eduard; Kolju, Karl; Traksmaa, Rainer Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 645-650 : ill

Dry sliding friction of cubic boron nitride based composite synthesized by SHS [Electronic resource]

Kimmari, Eduard; Kummel, Lembit Proceedings of 12th Nordic Symposium in Tribology : NORDTRIB 2006 : Helsingør, Denmark, 7-9 June 2006 2006 / [CD-ROM]

Effect of attrition milling on grain size and properties of composites

Kummel, Lembit; Kimmari, Eduard; Traksmaa, Rainer Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 25

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

Formation of the nanomeasures refractory compounds in the B4C based composites and their influence on wear resistance

Kummel, Lembit; Kimmari, Eduard Abstracts of the 12th Joint Nordic Conference on Powder Technology : Tampere, Finland, 2003 2003 / p. 40

Friction and wear changes of boron carbide cermet depending on the structure

Kummel, Lembit; Kimmari, Eduard Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 35

Friction and wear changes of boron carbide cermets depending on the structure

Kummel, Lembit; Kimmari, Eduard Materials science = Medžiagotyra 2003 / 1, p. 51-53 : ill

Influence of binder composition and microhardness on wear properties of light weight composites

Kummel, Lembit; Traksmaa, Rainer; Kimmari, Eduard Powder metallurgy progress 2003 / 3, p. 140-145 : ill
https://www.researchgate.net/publication/269035885_Influence_of_binder_composition_and_microhardness_on_wear_properties_of_light_weight_composites

Investigations of structure and tribological properties of the lightweight c-BN-based composites

Kummel, Lembit; Kimmari, Eduard Materials science = Medžiagotyra 2005 / 4, p. 394-397 : ill

Mechanical and structural characterization of multiphase B4C/Al composites synthesized by SHS

Kimmari, Eduard; Kummel, Lembit 15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 33-34

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

Kummel, 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

Microstructure and mechanical characterization of WC-based composites doped by zirconia

Hussainova, Irina; Kimmari, Eduard; Kollo, Lauri; Jasiuk, Iwona Proceedings of 16th International Conference on Mechanics of Composite Materials : MCM 2010 : May 24-28, Riga, Latvia 2010

Multiphase forming in lightweight composites during SHS reaction

Kummel, Lembit; Kimmari, Eduard 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 19-20 <https://www.matsc.ktu.lt/index.php/MatSc/article/view/26220>

Multiphase forming in lightweight composites during SHS reaction

Kummel, Lembit; Kimmari, Eduard Materials science 2008 / p. 242-246 : ill <https://www.matsc.ktu.lt/index.php/MatSc/article/view/26220>

Multiphase microstructure forming purpose in lightweight composites

Kommel, Lembit; Kimmari, Eduard Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 479-484 : ill
https://www.academia.edu/60674244/Multiphase_Microstructure_Forming_Purpose_in_Lightweight_Composites

Phases micromechanical properties of Ni-base superalloy measured by nanoindentation

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

Phases properties of SC superalloy measured by nanoindentation

Kommel, Lembit; Kimmari, Eduard; Viljus, Mart Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 22

Preparation of multiphase lightweight c-BN-based composite

Juhani, Kristjan; Kimmari, Eduard; Kommel, Lembit International Powder Metallurgy Congress & Exhibition : EURO PM2008 : 29th September - 1st October 2008, Mannheim, Germany : proceedings. Vol.1 2008 / p. 231-236 : ill
https://www.researchgate.net/publication/286152881_Preparation_of_multiphase_lightweight_c-BN-based_composite

Processing and microstructural characterization of WC based cermets doped by ZrO₂

Kimmari, Eduard; Hussainova, Irina; Smirnov, Anton; Traksmaa, Rainer; Preis, Irina 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 24

Processing and microstructural characterization of WC-based cermets doped by ZrO₂

Kimmari, Eduard; Hussainova, Irina; Smirnov, Anton; Traksmaa, Rainer; Preis, Irina Estonian journal of engineering 2009 / 4, p. 275-282 : ill

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](#)

Recycling of light weight B4C based composites

Kommel, Lembit; Kimmari, Eduard Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 199-202 : ill

Residual stresses in TiC-based cermets measured by indentation

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

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

Podgurski, Vitali; Hantschel, Thomas; Bogatov, Andrei; Kimmari, 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](#)

Solid phase's transformations in boron carbide based composites during heat treatment

Kommel, Lembit; Kimmari, Eduard Solid state phenomena 2008 / p. 175-180

Structure and properties of boron nitride based composite produced by SHS method

Kommel, Lembit; Kübarsepp, Jakob; Hussainova, Irina; Kimmari, Eduard Fifth International Conference on Composite Science and Technology : ICCST/5 : 1-3 February 2005, Sharjah, United Arab Emirates : proceedings 2005 / p. 461-466 : ill

The formation of structure and change of properties during heat treatment of boron carbide cermets

Kommel, Lembit; Veinthal, Renno; Kimmari, Eduard Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 56

The formation of structure and change of properties during heat treatment of boron carbide composites

Kommel, Lembit; Veinthal, Renno; Kimmari, Eduard Materials science = Medžiagotyra 2003 / 1, p. 99-101 : ill

The formation of wear resistant properties of boron carbide cermet

Kommel, Lembit; Kimmari, Eduard Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 165-168 : ill

The influence of binder phase status on the wear resistance of boron carbide cermet by friction

Kommel, Lembit; Kimmari, Eduard; Peetsalu, Priidu Materials Engineering & Baltrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 202-206 : ill

The influence of refractory composition in binder phase on wear properties of boron carbide aluminium composites

The influence of refractory composition in binder phase on wear properties of boron carbide aluminium composites [Electronic resource]

Kommel, Lembit; Traksmaa, Rainer; Kimmari, Eduard Proceedings of 10th Nordic Symposium on Tribology NORDTRIB 2002 / Ref. 18 [CD-ROM]

The structure and properties forming in boron carbide aluminium composites during processing

Kommel, Lembit; Hussainova, Irina; Kimmari, Eduard Proceedings of World Congres on Powder Metallurgy and Particulate Materials, USA. Vol. 6 2002 / p. 182-187

Thermally induced cracking in aluminum/boron carbide composite

Kimmari, Eduard; Kommel, Lembit Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 467-472 : ill

https://www.researchgate.net/publication/268056237_Thermally_induced_cracking_in_aluminumboron_carbide_composite

Tribological behavior of carbon nanofibers deposited on hard nanocomposite (nc-Ti_{1-x}Al_xN)/(a-Si₃N₄) coating

Kimmari, Eduard; Podgurski, Vitali; Simunin, M.; Adoberg, Eron; Surženkov, Andrei; Viljus, Mart; Hartelt, M.; Wäsche, R.; Sildos, Ilmo; Kulu, Prit Surface & coatings technology 2013 / p. 21-25 : ill <https://doi.org/10.1016/j.surcoat.2013.03.011>

https://www.sciencedirect.com/science/article/pii/S0257897213002636?via%3Dhub_Journal_metrics_at_Scopus_Article_at_Scopus_Journal_metrics_at_WOS_Article_at_WOS

Wear and friction in boron carbide cermet-steel sliding system

Kommel, Lembit; Hussainova, Irina; Kimmari, Eduard Abstracts of papers from 2nd World Tribology Congress 2001 / p. 93

Wear and friction in boron carbide cermet-steel sliding system [Electronic resource]

Kommel, Lembit; Hussainova, Irina; Kimmari, Eduard WTC 2001 : 2nd World Tribology Congress : Vienna, Austria, 03-07 September 2001 2001 / [4] p.: ill. [CD-ROM]

Wear resistance behavior of light-weight composites

Kommel, Lembit; Kimmari, Eduard Abstracts of the XVI-th International Baltic Conference "Engineering Materials & Baltmattrib" : 2007, October 25-26, Riga, Latvia 2007 / p. 22

Verification of new 1000 [degree] C tester designed for investigation of wear-corrosion properties of advanced materials for high temperature applications

Antonov, Maksim; Hussainova, Irina; Kimmari, Eduard; Juhani, Kristjan Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 395-399 : ill

<http://innomet.ttu.ee/daaam08/online/Materials%20Engineering/Antonov.pdf>