

Abrasion of cermets

Pirso, Jüri; Viljus, Mart; Juhani, Kristjan; Letunovitš, Sergei Advances in engineering research. Volume 3 2011 / p. 397-426

Abrasive erosion of titanium carbide-base cermets

Pirso, Jüri; Kübarsepp, Jakob; Letunovitš, Sergei NORDTRIB '98 : proceedings of the 8th International Conference on Tribology, Ebeltoft, Denmark, 7-10 June 1998. Vol. 1 1998 / p. 231-237: ill

Abrasive impact wear of WC-Co and TiC-NiMo cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei; Tarraste, Marek Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 621-626 : ill
https://www.researchgate.net/publication/286139638_Abrasive_impact_wear_of_WC-Co_and_TiC-NiMo_cermets

Abrasive wear of chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / ? p

Abrasive wear of chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei Tribologia : Finnish journal of tribology 2008 / 2/3, p. 23-32 : ill

Characterisation of TiC powders milled by attritor technique

Letunovitš, Sergei; Kommel, Lembit; Viljus, Mart; Pirso, Jüri Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 153-156 : ill

Descriptive geometry. General course : exercises

2018 https://www.ester.ee/record=b5203367*est

Effect of carbide produces technique on the structure and properties of the Cr₃C₂-Ni cermets

Letunovitš, Sergei; Viljus, Mart; Pirso, Jüri Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 181-184 : ill

Erosion and abrasion of chromium carbide based cermets produced by different methods

Hussainova, Irina; Pirso, Jüri; Antonov, Maksim; Juhani, Kristjan; Letunovitš, Sergei Wear 2007 / 2, p. 905-911 : ill

Friction and dry sliding wear behaviour of cermets

Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei Wear 2006 / 7/8, p. 815-824 : ill

Friction and wear behaviour of cemented carbides

Pirso, Jüri; Letunovitš, Sergei; Viljus, Mart Wear 2004 / p. 257-265 : ill

Impact wear of chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei Materials science 2008 / p. 341-344 : ill

Impact wear of chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 27-28

Insenerigraafika kursus : harjutusülesanded

2015 http://www.ester.ee/record=b4504106*est

Insenerigraafika kursus : harjutusülesanded

2013 http://www.ester.ee/record=b2508748*est

Insenerigraafika kursus : harjutusülesanded

2009 http://www.ester.ee/record=b2508748*est

3D modelleerimine. CNC pink. Joonestamine : [õpik]

Kivi, Kalle; Lüste, Aivar; Lips, Aron; **Hunt, Tea; Annuka, Harri; Letunovitš, Sergei** 2011 https://www.ester.ee/record=b2707155*est

Kujutav geomeetria : harjutusülesanded

2020 https://www.ester.ee/record=b5260470*est

Kujutav geomeetria arhitektuurierialadele : harjutusülesanded

2020 https://www.ester.ee/record=b5201930*est

Kujutava geomeetria algkursus : harjutusülesanded

2010 http://www.ester.ee/record=b2631507*est

Low temperature synthesized WC and its usability for fine-grained hardmetal

Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei Proceedings of EURO PM2006 Congress & Exhibition : Ghent, Belgium, October 23-25. 1, Hard materials 2006 / p. 281-286

Mechanical properties and microstructure of reactive sintered WC-TiC-Co cemented carbides

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei Proceedings of the 2012 Powder Metallurgy World Congress & Exhibition 2012

https://www.researchgate.net/publication/239937576_Mechanical_Properties_and_Microstructure_of_Reactive_Sintered_WC-TiC-Co_Cemented_Carbides

Mechanically activated synthesis of chromium carbide

Viljus, Mart; Letunoviš, Sergei; Traksmäa, Rainer; Pirso, Jüri Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 220-223 : ill

Mechanically activated synthesis of nanocrystalline chromium carbide powders

Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 34-36 : ill

Microstructural and mechanical characteristics of in situ synthesized chromium-nickel-graphite composites

Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei; Juhani, Kristjan Extended abstracts of 2006 Powder Metallurgy World Congress : Busan, Korea, September 24-28. 1 2006 / p. 631-632

Microstructural and mechanical characteristics of in situ synthesized chromium-nickel-graphite composites

Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei; Juhani, Kristjan Materials science forum 2007 / Progress in powder metallurgy, p. 1209-1212 : ill <https://www.scientific.net/MSF.534-536.1209>

Microstructural characteristics and properties of reactive sintered TiC-based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei 17th Plansee Seminar : International Conference on High Performance P/M Materials : Reutte, Austria, 25-29.05.2009 : proceedings. Vol. 2 2009 / p. HM56/1-HM65/6

Microstructure and properties of reactive sintered TiC-based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei International Powder Metallurgy Congress & Exhibition : EURO PM2008 : 29th September - 1st October 2008, Mannheim, Germany : proceedings. Vol.3 2008 / p. 89-94 : ill

Microstructure evolution in WC-Co composites during reactive sintering from nanocrystalline powders [Electronic resource]

Pirso, Jüri; Viljus, Mart; Joost, Renee; Juhani, Kristjan; Letunoviš, Sergei Advances in Powder Metallurgy & Particulate Materials 2008 2008 / [12] p. : ill. [CD-ROM]

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

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Traksmäa, Rainer; Letunoviš, 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]

Phase evolution, microstructure characteristics and properties of Cr₃C₂-Ni cermets prepared by reactive sintering

Juhani, Kristjan; Pirso, Jüri; Letunoviš, Sergei; Viljus, Mart International journal of materials & product technology 2011 / p. 75-91 : ill

Preparation of nanocrystalline WC powder and ultrafine WC-Co hardmetals

Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 31-33 : ill

Reactive carburizing sintering

Pirso, Jüri; Viljus, Mart; Juhani, Kristjan; Letunoviš, Sergei High temperature processes in chemical engineering 2010 / p. 309-334 : ill

Reactive carburizing sintering - a novel production method for high quality chromium carbide-nickel cermets

Pirso, Jüri; Viljus, Mart; Letunoviš, Sergei; Juhani, Kristjan International journal of refractory metals & hard materials 2006 / 3, p. 263-270 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0263436805000909>

Reactive sintering - a new method for producing Cr₃C₂-Ni cermets

Viljus, Mart; Pirso, Jüri; Letunoviš, Sergei Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 29

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]

Recycling of WC-Co hardmetals by oxidation and carbothermal reduction in combination with reactive sintering

Joost, Renee; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei; Juhani, Kristjan Estonian journal of engineering 2012 / p. 127-139 : ill

Sliding wear of chromium carbide based cermets under different wear conditions

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 455-459 : ill
<http://innomet.ttu.ee/daaam08/Online/Materials%20Engineering/Juhani.pdf>

Sliding wear of Cr₃C₂-Ni base cermets

Letunovitš, Sergei; Viljus, Mart; Pirso, Jüri Medžiagotyra = Materials science 2002 / 4, p. 477-480 : ill

Sliding wear of Cr₃C₂-Ni cermets

Letunovitš, Sergei; Viljus, Mart; Pirso, Jüri Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 9

Sliding wear of the cermets

Letunovitš, Sergei; Pirso, Jüri; Viljus, Mart Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 70

Sliding wear of TiC-NiMo cermets

Pirso, Jüri; Letunovitš, Sergei; Viljus, Mart Tribology international 2004 / p. 817-824 : ill

Structure formation in Ti-C-Ni-Mo composites during reactive sintering

Viljus, Mart; Pirso, Jüri; Juhani, Kristjan; Letunovitš, Sergei Materials science = Medžiagotyra 2012 / p. 62-65 : ill

Synthesis of nanocrystalline TiC powders by reactive milling

Viljus, Mart; Pirso, Jüri; Letunovitš, Sergei Nanopowders, Nanostructured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 28-30 : ill

Synthesis of TiC by mechanical activation of powder components

Viljus, Mart; Traksmäa, Rainer; Letunovitš, Sergei; Pirso, Jüri EURO PM2001 : [European Congress and Exhibition on Powder Metallurgy] : October 22-24, 2001, Nice, France. Vol. 1 : proceedings 2001 / p. 194-198 : ill

Synthesis of TiC powder by mechanical activation

Viljus, Mart; Traksmäa, Rainer; Letunovitš, Sergei; Pirso, Jüri Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 18-21 : ill

Tehniline graafika : harjutusülesanded

2018 https://www.ester.ee/record=b5201942*est

Tehniline graafika : harjutusülesanded

2020 https://www.ester.ee/record=b5372382*est

Tehniline graafika : harjutusülesanded

2021 https://www.ester.ee/record=b5466268*est

The effect of VC, TiC and Cr₃C₂ 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 effect of VC, TiC and Cr₃C₂ 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 Cr₃C₂ and VC as alloying additives on the microstructure and properties of reactive sintered WC-Co cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei; Tarraste, Marek Materials science = Medžiagotyra 2012 / p. 79-83 : ill <https://matsc.ktu.lt/index.php/MatSc/article/view/1347>

The influence of processing parameters on mechanical properties of spark plasma sintered chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Letunovič, Sergei Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 162-166 <https://doi.org/10.4028/www.scientific.net/SSP.267.162> [Conference proceedings at Scopus](#) [Article at Scopus](#)

The influence of reactive sintering parameters on the structure and properties of Cr₃C₂-Ni cermets

Viljus, Mart; Letunovič, Sergei; Traksmäa, Rainer; Pirso, Jüri Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 15

The influence of reactive sintering parameters on the structure and properties of Cr₃C₂-Ni cermets

Viljus, Mart; Letunovič, Sergei; Traksmäa, Rainer; Pirso, Jüri Medžiagotyra = Materials science 2002 / 4, p. 473-476 : ill

The influence of sinter/HIP technology on reactive sintering of chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovič, Sergei 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 23

The wear resistance tests of cermets and relations between different types of wear

Joost, Renee; Letunovič, Sergei; Pirso, Jüri; Juhani, Kristjan Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06-11.06.2010, Storforsen, Sweden 2010 / [6] p.: ill. [CD-ROM]

Three-body abrasive wear of cermets

Pirso, Jüri; Viljus, Mart; Letunovič, Sergei; Juhani, Kristjan; Joost, Renee Wear 2011 / p. 2868-2878 : ill

Three-body abrasive wear of WC-Co composites manufactured by reactive sintering of nanocrystalline powders

[Electronic resource]

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

Tribology of fine-grained cermets

Letunovič, Sergei 2003 https://www.ester.ee/record=b1782627*est

Two-body abrasive wear of WC-Co hardmetals in wet and dry environments

Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Letunovič, Sergei Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 711-716 : ill

Two-body dry abrasive wear of cermets

Pirso, Jüri; Viljus, Mart; Juhani, Kristjan; Letunovič, Sergei Wear 2009 / 1/2, p. 21-29 : ill

Two-body dry abrasive wear of Cr₃C₂-Ni cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovič, Sergei Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 368-376 : ill

Two-body dry abrasive wear of Cr₃C₂-Ni cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovič, Sergei 15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 58-59 : ill

Влияние некоторых технологических факторов на свойства дисперсионно-твердеющих сплавов Cu-Ti

Letunovič, Sergei; Pirso, Jüri Свойства и технология изготовления композиционных материалов 1986 / с. 22-30

Влияние размола на некоторые свойства металлических порошков и порошковых смесей

Kulu, Priit; Letunovič, 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.ester.ee/record=b1322629*est

Влияние состава на некоторые свойства порошковых сплавов на медной основе

Letunovič, Sergei; Pirso, Jüri Износостойкие спеченные материалы и покрытия 1988 / с. 38-50

Вопросы выбора материала и технологии изготовления контактных наконечников машин автоматической сварки под флюсом

Letunovič, Sergei; Arensbürger, Daniil Свойства и технология изготовления композиционных материалов 1986 / с. 12-21

Износ порошковых токоподводящих мундштуков автоматической сварки под флюсом

Letunovič, Sergei; Arensbürger, Daniil; Pirso, Jüri Трение и износ в машинах. 14 1987 / с. 41-47

Исследование некоторых свойств спеченных медных сплавов

Arensburger, Daniil; Letunoviš, Sergei Свойства и технология изготовления композиционных материалов 1985 / с. 3-11

Исследование свойств порошковых малолегированных медных сплавов подвергнутых термической обработке

Letunoviš, Sergei; Vennikas, Peeter XVI Всесоюзная научно-техническая конференция по порошковой металлургии (Свердловск, 1989 г.) 1989 / с. 72-73

Исследование технологии и свойств дисперсионно-твердеющих медных сплавов

Arensburger, Daniil; Letunoviš, Sergei Тезисы докладов научно-технических семинаров "Теория и практика порошковой металлургии", "Электрофизические технологии в порошковой металлургии" 1984 / с. [8]

Исследование технологии и свойств порошковых медных сплавов, подвергнутых термической обработке

Letunoviš, Sergei; Pirso, Jüri Тезисы докладов пятой республиканской конференции "Эрозиянностойкие порошковые материалы и покрытия" 1988 / с. 40-41 https://www.ester.ee/record=b1256812*est

Коррозионностойкий антифрикционный материал на основе карбида хрома и никеля

Pirso, Jüri; Letunoviš, Sergei Свойства и технология изготовления износостойких материалов 1984 / с. 53-62

Некоторые результаты исследования размола металлических порошков в универсальном дезинтеграторе-активаторе

Kulu, Priit; Letunoviš, Sergei Свойства и технология изготовления износостойких материалов 1982 / с. 63-68 : илл https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Оптимизация состава порошкового электроконтактного материала

Pirso, Jüri; Letunoviš, Sergei Свойства и технология изготовления композиционных материалов 1985 / с. 41-48

Оптимизация состава термически обрабатываемого порошкового медного сплава

Letunoviš, Sergei; Vennikas, Peeter Tallinna Tehnikaülikooli Toimetised 1990 / lk. 91-100: ill

Порошковая металлургия

Mosberg, Rudolf; Valdma, Leo; Annuka, Harri; Kübarsepp, Jakob; Kallas, Paul; Kudrjavitsev, Vladimir; Tani, P.; Arensburger, Daniil; Letunoviš, Sergei; Pirso, Jüri; Kulu, Priit; Rõuk, Arno; Rõuk, Marina; Halling, Jaanus; Vennikas, Peeter; Laansoo, Andres; Liimann, Väino; Ritso, Aadu; Tsainikov, N.A.; Karatšunski, A.D.; Siimar, Rein; Grigorjev, A.V. 1988 https://www.ester.ee/record=b1256860*est

Порошковая металлургия

Mosberg, Rudolf; Kübarsepp, Jakob; Pirso, Jüri; Arensburger, Daniil; Kudrjavitsev, Vladimir; Kallas, Paul; Annuka, Harri; Valdma, Leo; Kulu, Priit; Halling, Jaanus; Letunoviš, Sergei; Roninson, Aleksander; Laansoo, Andres; Ritso, Aadu; Siimar, Rein; Liimann, Väino 1984 https://www.ester.ee/record=b1356624*est

Порошковая металлургия

Mosberg, Rudolf; Arensburger, Daniil; Letunoviš, Sergei; Kulu, Priit; Kallas, Paul; Halling, Jaanus; Kübarsepp, Jakob; Annuka, Harri; Zeer, G.; Valdma, Leo; Pirso, Jüri; Siimar, Rein; Laansoo, Andres; Randmer, Uudus; Liimann, Väino; Ritso, Aadu; Akkel, T. 1985 https://www.ester.ee/record=b1302663*est

Порошковая металлургия

Mosberg, Rudolf; Arensburger, Daniil; Letunoviš, Sergei; Pirso, Jüri; Kallas, Paul; Agošašvili, B.T.; Bujanovski, I.N.; Ivaštšenko, L.K.; Kulu, Priit; Mühlman, J.; Halling, Jaanus; Valdma, Leo; Kübarsepp, Jakob; Annuka, Harri; Laansoo, Andres; Käerdi, Helmo; Randmer, Uudus; Liimann, Väino; Siimar, Rein; Ritso, Aadu 1986 https://www.ester.ee/record=b1354812*est

Порошковые дисперсионно-твердеющие сплавы на основе меди : работа на соиску степ. магистра техн. наук

Letunoviš, Sergei 1992 https://www.ester.ee/record=b2631161*est

Свойства и применение спеченных сплавов Cu-Cr

Arensburger, Daniil; Letunoviš, Sergei Tallinna Tehnikaülikooli Toimetised 1990 / lk. 12-18: ill

Свойства спеченных дисперсионно-твердеющих медных сплавов

Arensburger, Daniil; Letunoviš, Sergei Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1986 / с. 27-31 https://www.ester.ee/record=b1645489*est

Свойства спеченных дисперсионно-твердеющих сплавов Cu-Ti-B

Arensburger, Daniil; Letunoviš, Sergei Износостойкие спеченные материалы и покрытия 1988 / с. 30-37

Трение и износ в машинах

Tadolder, Jüri; Pallase, Ado; Pappel, Toivo; Järvpõld, Lembit; Vainu, J.; Kulu, Priit; Halling, Jaanus; Tammeraid, Ivar;

Letunovitš, Sergei; Arensbürger, Daniil; Pirso, Jüri; Kallas, Paul; Juriditski, B.J.; Mihhailov, B.G.; Annuka, Harri; Kübarsepp, Jakob; Valdma, Leo; Kallasvee, Andres; Saar, Bernhard; Möldre, Heino; Tamre, Mart; Ajaots, Mairo; Lees, Rein 1987
https://www.ester.ee/record=b2191170*est