

Abrasion of cermets

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

Abrasive erosion of chromium carbide based cermets

Pirso, Jüri; Viljus, Mart; Kübarsepp, Jakob 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 3 2000 / p. 959-967 : ill

Abrasive erosion of non-tungsten cemented carbides

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

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 and erosion of titanium carbide based cermets

Pirso, Jüri; Kübarsepp, Jakob EURO PM'99 : European Conference on Advances in Hard Materials Production : Turin, Italy, November 8-10, 1999 : proceedings 1999 / p. 423-428: ill

Abrasive wear energy of powder materials

Kallas, Paul; Pirso, Jüri Materials Engineering - 96 : materials of VI-th International Baltic Conference 1996 / p. 34-37: ill

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

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 Cr₃C₂ base cermets

Pirso, Jüri; Viljus, Mart; Kübarsepp, Jakob; Hussainova, Irina Abstracts of papers from 2nd World Tribology Congress 2001 / p. 158

Abrasive wear of Cr₃C₂ base cermets [Electronic resource]

Pirso, Jüri; Viljus, Mart; Kübarsepp, Jakob; Hussainova, Irina WTC 2001 : 2nd World Tribology Congress : Vienna, Austria, 03-07 September 2001 2001 / [4] p. : ill. [CD-ROM]

Abrasive wear resistance of hardmetals

Pirso, Jüri; Liiskmann, Guido; Suominen, Sauli International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference, 25-27th September 1997, Tallinn, Estonia 1997 / p. 141-144: ill

Abrasive wear resistance of hardmetals

Pirso, Jüri; Liiskmann, Guido; Suominen, Sauli International Conference "Novel Processes and Materials in Powder Metallurgy" : PM-97 : November 24-28, 1997, Kiev : abstracts 1997 / p. 323

Abrasive wear resistance of powder composite materials : characterization and prediction

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo; Tarbe, Riho Tribology 2008 : proceedings of the 9th International Tribology Conference : University of Pretoria, South Africa, 2-4 April 2008 2008 / p. 1.3(1)-1.3(10)

Abrasive wear resistance of TiC-NiMo cermets

Pirso, Jüri; Kübarsepp, Jakob International Conference Balttrib'99 : 21-22 September 1999, Kaunas, Lithuania : proceedings 1999 / p. 200-205: ill

Assessment of mechanically mixed layer developed during high temperature erosion of cermets

Antonov, Maksim; Hussainova, Irina; Pirso, Jüri; Volobujeva, Olga Wear 2007 / 2, p. 878-886 : ill

Assessment of the erosion resistance of carbides based cermets

Hussainova, Irina; Kübarsepp, Jakob; Pirso, Jüri Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 74

Balti Pulbertehnoloogia konverents Tallinnas

Pirso, Jüri Tehnikaülikool 1995 / 10. nov., lk. 5 https://www.ester.ee/record=b5309277*est

Behaviour of TiC-base cermets in different wear conditions

Kübarsepp, Jakob; Klaasen, Heinrich; Pirso, Jüri Wear 2001 / p. 229-234 : ill

Carbide grain and structure formation in Cr₃C₂-base cermets during sintering

Viljus, Mart; Traksmäa, Rainer; Pirso, Jüri Proceedings of Joint Nordic Conference in Powder Technology 2000 / p. 24

Carbide grain growth in Cr₃C₂-based cermets during sintering

Viljus, Mart; Pirso, Jüri; Traksmäa, Rainer Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 159-162 : ill

Cermets with designed characteristics for wear and wear-corrosion working conditions

Pirso, Jüri; Kübarsepp, Jakob; Liiskmann, Guido Proceedings of Joint Nordic Conference in Powder Technology, November 26-27, Helsinki 1997 / p. 38

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

Characteristics and application of tungsten free cermets

Kübarsepp, Jakob; Pirso, Jüri; Reshetnjak, Heinrich Proceedings of Joint Nordic Conference in Powder Technology : May 5-6, 1999, Oslo, Norway 1999 / p. 19

Characteristics of titanium- and chromium carbide-base cermets and their application

Kübarsepp, Jakob; Pirso, Jüri; Annuka, Harri Proceedings of Joint Nordic Conference in Powder Technology, November 13-14, Copenhagen, 1996 1996 / p. 19

Characterization and prediction of abrasive wear of powder composite materials

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Wear 2009 / p. 2216-2222 : ill

Characterization and prediction of abrasive wear of powder composite materials

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / ? p

Characterization of composite thermal spray powders

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

Characterization of powdermetal matrix composites for erosion wear applications

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Extended abstracts of 2006 Powder Metallurgy World Congress : Busan, Korea, September 24-28. 2 2006 / p. 1056

Characterization of WC-Co composite thermal spray powder and coating

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit 15th International Baltic Conference "Engineering Materials & Tribology. Balttrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 52-53

Characterization of WC-Co composite thermal spray powders and coatings

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 435-444 : ill

Characterization of WC-Co thermal spray coatings based on the composite powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Powder metallurgy progress : journal of science and technology of particle materials 2006 / p. 34-41 : ill

Chromium carbide based cermets as the wear resistant materials

Antonov, Maksim; Hussainova, Irina; Pirso, Jüri Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 177-180 : ill

Comparison of wear resistance determined under different conditions of wear

Kulu, Priit; Pirso, Jüri; Vallikivi, Ahto; Ajaots, Mairo Proceedings of IRG-OECD 24th Meeting of the International Research Group of Wear of Engineering Materials : Portorož, Slovenia, 2003 2003 / [8] p

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

cermets" [J. Alloys Compd. 636 (2015) 381–386] (S0925838815005009) (10.1016/j.jallcom.2015.02.071))
Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer Journal of alloys and compounds 2018 / p. 128
<https://doi.org/10.1016/j.jallcom.2018.05.128> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion of titanium carbide cermets in mineral acids

Viljus, Mart; Pirso, Jüri; Kallavus, Urve Materials Engineering - 98 : materials of the VII-th International Baltic Conference, September 24-25, Jurmala, Latvia 1998 / p. 141-145 : ill

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

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/IJMP.2014.064046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dry sliding wear of cermets

Viljus, Mart; Pirso, Jüri International journal of materials & product technology 2007 / 3/4, p. 468-486 : ill

Dry sliding wear of cermets under high-speed conditions

Pirso, Jüri; Ajaots, Maido; Viljus, Mart; Vallikivi, Ahto Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 76

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

Effect of free carbon on the mechanical and tribological properties of cemented carbides

Joost, Renee; Pirso, Jüri; Tenno, Taavi; Viljus, Mart Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 450-455 : ill

Effect of oxidation on abrasive wear behaviour of TiC-based cermets in SiO₂ medium

Antonov, Maksim; Hussainova, Irina; Pirso, Jüri; Juhani, Kristjan Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 510-515 : ill

Effect of oxidation on abrasive wear behaviour of titanium carbide based composites in silica medium

Antonov, Maksim; Hussainova, Irina; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Estonian journal of engineering 2010 / 4, p. 264-272 : ill

Effect of oxidation on abrasive wear of TiC-based cermets at various temperatures

Antonov, Maksim; Hussainova, Irina; Pirso, Jüri; Juhani, Kristjan Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06-11.06.2010, Storforsen, Sweden 2010 / p. 0054 [CD-ROM]

Effect of sinter/HIP technology on properties of TiC-NiMo cermets

Kollo, Lauri; Pirso, Jüri; Juhani, Kristjan Materials science forum 2007 / Progress in powder metallurgy, p. 1169-1172 : ill

Effect of temperature and load on three-body abrasion of cermets and steel

Antonov, Maksim; Hussainova, Irina; Veinthal, Renno; Pirso, Jüri Tribology international 2012 / p. 261-268 : ill
<https://www.sciencedirect.com/science/article/pii/S0301679X11002015>

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

Erosion of cermets based on titanium and chromium carbides

Pirso, Jüri; Kübarsepp, Jakob International Conference Balttrib'99 : 21-22 September 1999, Kaunas, Lithuania : proceedings 1999 / p. 206-211 : ill

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-corrosion wear of WC-Co hardmetals in solid-liquid mixture

Viljus, Mart; Pirso, Jüri Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 193-197 : ill

Features of wear of TiC-base hardmetals

Kübarsepp, Jakob; Reshetnjak, Heinrich; Pirso, Jüri; Annuka, Harri Proceedings of the World Congress and Exhibition on Powder Metallurgy, October 18-22, Granada, Spain 1998 / p. 75-79

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

High temperature erosion of Ti(Mo)C-Ni cermets

Hussainova, Irina; Pirso, Jüri; Antonov, Maksim; Juhani, Kristjan Wear 2009 / 11, p. 1894-1899 : 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

Influence of sintering technology on cermet performance

Kübarsepp, Jakob; Pirso, Jüri; Juhani, Kristjan BALTTTRIB'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

25 aastat pulbermetallurgiauuringuid TPI-s

Kulu, Priit; Pirso, Jüri Tehnika ja Tootmine 1987 / lk. 15-16 https://www.ester.ee/record=b1073047*est

Kulumiskindlad vedelkütusepihustid

Pirso, Jüri Tehnika ja Tootmine 1986 / lk. 13-14 https://www.ester.ee/record=b1073047*est

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

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

Mechanical properties and features of erosion of cermets

Hussainova, Irina; Pirso, Jüri; Kübarsepp, Jakob Abstracts of 13th International Conference on Wear of Materials 2001 / p. 99

Mechanical properties and features of erosion of cermets

Hussainova, Irina; Kübarsepp, Jakob; Pirso, Jüri Wear 2001 / p. 818-825

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

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, 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

Mechanical properties of chromium carbide based cermets at micro-level

Hussainova, Irina; Jasiuk, Iwona; Du, X.; Cabassa, D.; Pirso, Jüri Advances in powder metallurgy & particulate materials 2008 : proceedings of the 2008 World Congress on Powder Metallurgy & Particulate Materials. IV 2009 / p. 180-191

Mechanical properties of chromium carbide based cermets at micro-level [Electronic resource]

Hussainova, Irina; Jasiuk, Iwona; Du, X.; Cabassa, D.; Pirso, Jüri Proceedings of the PM08 World Congress on Powder Metallurgy and Particulate Materials : Washington, NY, USA, June 12-16 2008 / ? p. [CD-ROM]

Mechanically activated synthesis of chromium carbide

Viljus, Mart; Letunovitš, 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; Letunovitš, 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

Mechanisms of fracture of PM materials and coatings by impact loading

Kallas, Paul; Kulu, Priit; Pirso, Jüri; Tümanok, Aleksei Deformation and fracture in structural PM materials : proceedings of the

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

2016 http://www.ester.ee/record=b4649065*est

Metalliõpetus ja metallide tehnoloogia

Arensburger, Daniil; Kulu, Priit; Kübarsepp, Jakob; Pirso, Jüri 1999 https://www.ester.ee/record=b1299973*est

Metalliõpetus ja metallide tehnoloogia

Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Pirso, Jüri; Valdma, Leo 2001 https://www.ester.ee/record=b1526273*est

Metalliõpetus ja metallide tehnoloogia

Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Pirso, Jüri; Valdma, Leo 2001 https://www.ester.ee/record=b1526274*est

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

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

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

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

Microstructural aspects of erosive wear of particulate reinforced composites

Hussainova, Irina; Pirso, Jüri Book of the abstracts of 2003 International Conference on Powder Metallurgy & Particulate Materials : Las Vegas, USA, 2003 2003 / p. 122

Microstructural aspects of erosive wear of particulate reinforced composites [Electronic resource]

Hussainova, Irina; Pirso, Jüri Proceedings of 2003 International Conference on Powder Metallurgy & Particulate Materials : PM2TEC2003 : Las Vegas, USA, 2003 2003 / [CD-ROM]

Microstructural characteristics and properties of reactive sintered TiC-based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Letunovitš, 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; Letunovitš, 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 and changes in mechanical properties in WC-Co composites during recycling by oxidation-reduction process and sintering

Joost, Renee; Pirso, Jüri; Viljus, Mart 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 29

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

Pirso, Jüri; Viljus, Mart; Joost, Renee; Juhani, Kristjan; Letunovitš, 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

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri TÜ ja TTÜ doktorikool "Funktsionaalsed 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; Traksmäa, 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 and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites

Juhani, Kristjan; Kübarsepp, Jakob; Tarraste, Marek; Pirso, Jüri; Viljus, Mart Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill <https://www.scientific.net/KEM.799.131> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.131> Conference proceeding at Scopus Article at Scopus

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

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

Non-tungsten and non-cobalt cermets with designed serviceability characteristics

Kübarsepp, Jakob; Pirso, Jüri; Annuka, Harri Abstracts of 7th International Exhibition and Symposium on Powder Metallurgy, March 18-21, Minsk 1997 / p. 91

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

Joost, Renee 2010 https://www.ester.ee/record=b2604910*est

Optimierung des Herstellungsvorganges von Chromkarbid-Sinterlegierungen mit Hilfe Mathematischer Modell

Valdma, Leo; Pirso, Jüri Periodica polytechnica. Mechanical engineering = Машиностроение 1975 / p. 217-223 : ill
https://www.ester.ee/record=b1198774*est

Oxidation resistance of titanium and chromium carbide-base cermets

Pirso, Jüri; Kübarsepp, Jakob Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 4-13: ill

Paagutatud kõvasulamid

Pirso, Jüri Tehnika ja Tootmine 1984 / lk. 16-17 https://www.ester.ee/record=b1073047*est

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

Juhani, Kristjan; Pirso, Jüri; Letunovitš, 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; Letunovitš, 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

Processing and tribological properties of chromium carbide based cermets

Hussainova, Irina; Pirso, Jüri; Viljus, Mart Proceedings of World Congress on Powder Metallurgy and Particulate Materials, USA. Vol. 6 2002 / p. 166-173

Reactive carburizing sintering

Pirso, Jüri; Viljus, Mart; Juhani, Kristjan; Letunovitš, 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; Letunovitš, 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 sintered chromium and titanium carbide-based cermets = Reaktsioonpaagutatud kroom- ja titaankarbiidsed kermised

Juhani, Kristjan 2009 https://www.ester.ee/record=b2498183*est

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

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

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](#)

Reactive sintering of Cr₃C₂-Ni cermets

Viljus, Mart; Pirso, Jüri Abstracts of the 12th Joint Nordic Conference in Powder Technology : Tampere, Finland, 2003 2003 / p. 24

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 hardmetal scrap to WC-Co powder by oxidation-reduction process

Joost, Renee; Pirso, Jüri; Viljus, Mart Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 449-454 : ill
https://www.researchgate.net/publication/289593153_Recycling_of_hardmetal_scrap_to_wc-co_powder_by_oxidationreduction_process

Recycling of WC-Co hardmetals by oxidation and carbothermal reduction in combination with reactive sintering
Joost, Renee; Pirso, Jüri; Viljus, Mart; Letunovičs, 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; Letunovičs, 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
Letunovičs, Sergei; Viljus, Mart; Pirso, Jüri Medžiagotyra = Materials science 2002 / 4, p. 477-480 : ill

Sliding wear of Cr₃C₂-Ni cermets
Letunovičs, Sergei; Viljus, Mart; Pirso, Jüri Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 9

Sliding wear of the cermets
Letunovičs, 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; Letunovičs, Sergei; Viljus, Mart Tribology international 2004 / p. 817-824 : ill

Slurry erosion resistance of Cr₃C₂-Ni cermets
Juhani, Kristjan; Pirso, Jüri; Viljus, Mart International Powder Metallurgy Congress & Exhibition : EURO PM2009 : 12th October - 14th October 2009, Copenhagen, Denmark : proceedings. Vol.1 2009 / p. 305-310 : ill
https://www.researchgate.net/publication/288472950_Slurry_erosion_resistance_of_Cr3C2-Ni_cermets

Slurry erosion wear of TiC-NiMo and WC-Co cermets
Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [11] 2010 / p. 456-461 : ill

Slurry erosion-corrosion of TiC-NiMo cermets
Pirso, Jüri; Viljus, Mart; Kübarsepp, Jakob Advances in Powder Metallurgy & Particulate Materials - 1999. Part 11, Cermets & Refractory Metals 1999 / p. 11-29 - 11-35 : ill

Slurry erosion-corrosion of TiC-NiMo cermets
Pirso, Jüri; Kübarsepp, Jakob Proceedings of the International Conference on Powder Metallurgy & Particulate Materials PM2TEC'99 : June 20-24, 1999, Vancouver, Canada 1999 / [7] p

Solid particle erosion of the Cr₃C₂-Ni metalmatrix composites
Antonov, Maksim; Hussainova, Irina; Pirso, Jüri OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 233-243 : ill

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]

Structure formation and characteristics of chromium carbide-iron-titanium cermets
Kolnes, Märt; Pirso, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, 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](#)

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.ester.ee/record=b1492085*est

Structure formation in Ti-C-Ni-Mo composites during reactive sintering
Viljus, Mart; Pirso, Jüri; Juhani, Kristjan; Letunovičs, Sergei Materials science = Medžiagotyra 2012 / p. 62-65 : ill

Structure formation of Cr₃C₂ - base cermets during sintering
Pirso, Jüri; Viljus, Mart Proceedings of 2000 Powder Metallurgy World Congress : November 12-16, 2000, Kyoto, Japan. Part 2 2000 / p. 1265-1268 : ill

Synthesis of an WC-Co composite material from the waste WC-Co bulk hardmetal
Joost, Renee; Pirso, Jüri; Viljus, Mart 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 28

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

Technology and characterization of composite thermal spray powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Materials science = Medžiagotyra 2005 / 4, p. 385-389 : ill

The effect of carbon content on the mechanical and tribological properties of WC-Co cemented carbides

Joost, Renee; Pirso, Jüri; Viljus, Mart Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / [8] p. : ill

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 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 effects of impact variables and abrasive particle properties on the erosion of cermets

Hussainova, Irina; Pirso, Jüri; Kübarsepp, Jakob Abstracts of papers from 2nd World Tribology Congress 2001 / p. 73

The effects of impact variables and abrasive particle properties on the erosion of cermets [Electronic resource]

Hussainova, Irina; Pirso, Jüri; Kübarsepp, Jakob WTC 2001 : 2nd World Tribology Congress : Vienna, Austria, 03-07 September 2001 2001 / [4] p. : ill. [CD-ROM]

The features of wear and application of hardmetals

Kübarsepp, Jakob; Pirso, Jüri; Annuka, Harri Mekaaniset kulumisilmiöt ja kulutusta kestävät materiaalit : proceedings of spring seminar, June 8-10, 1998, Korpilahti, Finland 1998 / p. 14.1-14.5

The formation of reactive sintered (Ti, Mo)C-Ni cermet from nanocrystalline powders

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer International journal of refractory metals and hard materials 2014 / p. 284-290 : ill <https://doi.org/10.1016/j.ijrmhm.2013.12.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Jõelet, 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 content and production parameters on the structure and mechanical properties of TiC-NiMo cemented carbides

Pirso, Jüri; Viljus, Mart Tallinna Tehnikaülikooli Toimetised 1994 / lk. 77-90: 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://matssc.ktu.lt/index.php/MatSc/article/view/1347>

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

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, 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 processing parameters on mechanical properties of spark plasma sintered chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Letunovičs, 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; Letunovičs, Sergei; Traksmäa, Rainer; Pirso, Jüri Medžiagotyra = Materials science 2002 / 4, p. 473-476 : ill

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

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

The influence of Sinter/HIP sintering on the properties of chromium carbide based cermets

Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 209-213

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

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

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

Jõelet, 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]

Jõelet, 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 light weight boron carbide cermet as tribomaterial

Kommel, Lembit; Pirso, Jüri; Traksmäa, Rainer 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 3 2000 / p. 886-895 : ill

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.ester.ee/record=b1492085*est

The structure and properties of recycled hardmetals

Joost, Renee; Pirso, Jüri; Viljus, Mart 17th Plansee Seminar : International Conference on High Performance P/M Materials : Reutte, Austria, 25-29.05.2009 : proceedings. Vol. 2 2009 / p. HM25/1-HM25/7

The structure formation of TiC-NiMo hardmetals during the sintering process

Viljus, Mart; Pirso, Jüri; Traksmäa, Rainer Proceedings of Joint Nordic Conference in Powder Technology : May 5-6, 1999, Oslo, Norway 1999 / p. 13

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

Joost, Renee; Letunovičs, 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]

Thermal shock behaviour of cermets

Antonov, Maksim; Pirso, Jüri; Hussainova, Irina; Klug, Markus Engineering Materials & Tribology : BALTMATRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 75

Thermal shock resistance of chromium carbide-based cermets

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

Thermal spray coatings from WC-Co powders produced by mechanically activated synthesis [Electronic resource]

Zimakov, Sergei; Peetsalu, Priidu; Pirso, Jüri; Kulu, Priit; Mikli, Valdek Thermal spray 2006 : building on 100 years of success : proceedings of the 2006 International Thermal Spray Conference : May 15-18, 2006, Seattle, Washington, USA 2006 / p. 1387-1392

Three-body abrasive wear of cermets

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

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

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Suurkivi, 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 TiC-NiMo cermets

Pirso, Jüri; Viljus, Mart; Juhani, Kristjan; Kuningas, Marius Tribology international 2010 / 1/2, p. 340-346 : ill

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]

TiC-base cermets as wear resistant materials

Kübarsepp, Jakob; Klaasen, Heinrich; Pirso, Jüri; Klaasen, Heinrich vt.ka Reshetnjak, Heinrich; Reshetnjak, Heinrich vt.ka Klaasen, Heinrich 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 1 2000 / p. 206-215 : ill

Titanium and chromium carbide based cermets

Pirso, Jüri 1996 http://www.ester.ee/record=b1070455*est

Tribological characterization of TiC-base cermets

Kübarsepp, Jakob; Pirso, Jüri; Klaasen, Heinrich Proceedings of 2000 Powder Metallurgy World Congress : November 12-16, 2000, Kyoto, Japan. Part 2 2000 / p. 1633-1636 : ill

Tribological properties of the Cr₃C₂-Ni metal-matrix composites

Hussainova, Irina; Pirso, Jüri EUROMAT 2001 : 7th European Conference on Advanced Materials and Processes : Rimini, Italy, 10-14 June, 2001 : conference abstracts 2001 / p. 122-123

Tribological properties of the Cr₃C₂-Ni metal-matrix composites [Electronic resource]

Hussainova, Irina; Pirso, Jüri Proceedings of 7th European Conference on Advanced Materials and Processes : EUROMAT 2001 : Italy 2001 / [CD-ROM]

Tribology of fine-grained cermets

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

Two body dry abrasive wear of TiC-NiMo cermets

Pirso, Jüri; Viljus, Mart; Juhani, Kristjan Tribology - materials, surfaces & interfaces 2007 / 2, p. 68-72

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

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

Two-body dry abrasive wear of Cr₃C₂-Ni cermets

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

Wear characteristics of TiC-base cermets

Kübarsepp, Jakob; Klaasen, Heinrich; Pirso, Jüri Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 207-211 : ill

Wear of coatings and hard alloys for jig bushings

Kallas, Paul; Pirso, Jüri Tallinna Tehnikaülikooli Toimetised 1994 / lk. 43-51: ill

Wear-resistance of non-tungsten cemented carbides

Pirso, Jüri; Kallas, Paul Advances in hard materials production : proceedings of the 1996 European Conference on Advances in Hard Materials Production, Stockholm, Sweden, May 27-29, 1996 1996 / p. 333-338: ill

Абразивная эрозия двухфазных сплавов

Pirso, Jüri; Rauk, Marina Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 29-31 https://www.ester.ee/record=b1256812*est

Абразивная эрозия керметов

Kallas, Paul; Pirso, Jüri; Juriditski, B.J.; Mihhailov, B.G. Трение и износ в машинах. 14 1987 / с. 48-53

Безвольфрамовые порошковые твердые сплавы. Состояние и перспективы развития

Pirso, Jüri Безвольфрамовые порошковые твердые сплавы и карбидостали. Часть 1 : тезисы докладов IV республиканской научно-технической конференции 1985 / с. 8-10 https://www.ester.ee/record=b1253975*est

Влияние легирующих элементов на структуру и свойства сплавов TiC-Ni-Mo

Pirso, Jüri; Viljus, Mart Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 8-9

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

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

Влияние режимов размола на дисперсность карбидохромовой смеси и ее активность при спекании

Pirso, Jüri; Valdma, Leo Тезисы докладов всесоюзной научной конференции "Технология, свойства и применение износостойких спеченных материалов", 26-28 ноября 1974 г. 1974 / с. 11-12

Влияние режимов размола на дисперсность смеси карбида хрома и никеля и ее активность при спекании

Pirso, Jüri; Valdma, Leo Спеченные износостойкие материалы 1977 / с. 8-12 : илл https://www.ester.ee/record=b2692826*est

Влияние скорости абразивных частиц на механизм изнашивания карбидохромовых спеченных сплавов

Pirso, Jüri; Kallas, Paul Свойства и технология изготовления износостойких материалов 1980 / с. 25-32 : илл https://www.ester.ee/record=b1276393*est <https://digikogu.taltech.ee/et/Item/be560987-a637-4f71-93da-1a9ee9705512>

Влияние содержания молибдена на свойства твердого сплава TiC-Ni-Mo

Pirso, Jüri Tallinna Tehnikaülikooli Toimetised 1990 / lk. 63-68: ill

Влияние состава и технологии изготовления на абразивную эрозию твердых сплавов TiC-WC с никкель-молибденовой связкой

Kallas, Paul; Pirso, Jüri; Agošašvili, B.T.; Bujanovski, I.N. Свойства и технология изготовления композиционных материалов 1986 / с. 31-37

Влияние состава и технологических факторов на прочность связи между припеченными элементами

Vennikas, Peeter; Pirso, Jüri Износостойкие спеченные материалы и покрытия 1988 / с. 69-72

Влияние состава на некоторые свойства порошковых сплавов на медной основе

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

Влияние твердости абразива на механизм абразивной эрозии спеченных твердых сплавов

Pirso, Jüri; Kallas, Paul Трение и износ в машинах : сборник статей. 11 1981 / с. 91-102 : илл https://www.ester.ee/record=b2191149*est <https://digikogu.taltech.ee/et/Item/983b9430-cae0-4a0d-a83d-ddb843ffcae>

Влияние термической и химико-термической обработки на свойства порошковых твердых сплавов

Pirso, Jüri; Kübarsepp, Jakob Металловедение и термическая обработка металлов : [ежемесячный научно-технический и производственный журнал] 1987 / с. 41-42

Влияние технологических факторов и состава на свойства карбидохромовых спеченных твердых сплавов

Pirso, Jüri; Valdma, Leo Порошковая металлургия : сборник статей. 2 1977 / с. 19-28 https://www.ester.ee/record=b2111366*est <https://digikogu.taltech.ee/et/Item/70a3ad25-126c-4b5f-b887-e5dc1aa558b3>

Влияние условий размола на измельчение порошка карбида титана, железа и их смесей

Pirso, Jüri; Arensbürger, Daniil Свойства и технология изготовления композиционных материалов 1985 / с. 27-39

Влияния фосфора на свойства карбидохромовых спеченных сплавов

Valdma, Leo; Pirso, Jüri Тезисы докладов I республиканской конференции по порошковой металлургии : эрозионностойкие

спеченные материалы и их применение 1975 / с. 15-16 https://www.ester.ee/record=b1314322*est

Возникновение и развитие трещин в карбидохромовых спеченных сплавах при сжатии

Pirso, Jüri Свойства и технология изготовления износостойких материалов 1982 / с. 21-29 : илл
https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Выбор сплава для кондукторных втулок

Pirso, Jüri; Kallas, Paul; Klautš, D.N.; Kuštševa, M.N. Трение и износ в машинах. 15 1989 / с. 53-62

Газоабразивная износостойкость и твердость порошковых твердых сплавов

Kallas, Paul; Pirso, Jüri Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 33-34 https://www.ester.ee/record=b1256812*est

Гидроабразивный износ спеченных карбидохромовых сплавов

Kallas, Paul; Pirso, Jüri; Valdma, Leo Трение и износ = Friction and Wear : международный научный журнал 1980 / с. 858-863 : илл., табл https://www.ester.ee/record=b1312784*est

Закономерности абразивного износа некоторых материалов мазутных форсунок

Valdma, Leo; Pirso, Jüri Износ, усталость и коррозия металлов : сборник статей. 5 1972 / с. 31-43 : илл
https://www.ester.ee/record=b2190525*est <https://digikogu.taltech.ee/et/Item/bf437fe1-81f3-4dff-97b2-b8d240135d43>

Закономерности измельчения твердосплавных смесей

Pirso, Jüri; Arensbürger, Daniil; Kübarsepp, Jakob [Порошковая металлургия] : тезисы докладов XV всесоюзной научно-технической конференции : (19-22 нояб. 1985 г.) 1985 / с. 140-141 https://www.ester.ee/record=b2336294*est

Изнашивание материалов с гетерогенной структурой в струе абразивных частиц

Pirso, Jüri; Rõuk, Marina; Kallas, Paul Трение и износ в машинах. 15 1989 / с. 63-70

Изнашивание твердого сплава в матрицах вырубного штампа

Pirso, Jüri; Vitsut, E.; Kallas, Paul; Tomingas, H. Электротехническая промышленность. Технология электротехнического производства : реферативный научно-технический сборник 1984 / с. 9-10

Износ порошковых материалов для кондукторных втулок

Kallas, Paul; Pirso, Jüri Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 22

Износ порошковых токоподводящих мундштуков автоматической сварки под флюсом

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

Износ твердосплавных кондукторных втулок

Pirso, Jüri; Kallas, Paul; Klautš, D.N.; Kuštševa, M.N. Tallinna Tehnikaülikooli Toimetised 1990 / lk. 3-11

Износостойкость карбидохромовых спеченных сплавов в абразивной струе

Valdma, Leo; Pirso, Jüri Тезисы докладов всесоюзной научной конференции "Технология, свойства и применение износостойких спеченных материалов", 26-28 ноября 1974 г. 1974 / с. 12-13

Износостойкость порошковых твердых сплавов

Pirso, Jüri; Kallas, Paul Технологични процеси и оборудоване за ефективно исползуване на металните материали 1989 / с. 161

Износостойкость спеченных сплавов на основе карбида хрома в абразивной струе

Valdma, Leo; Pirso, Jüri Спеченные износостойкие материалы 1977 / с. 64-70 https://www.ester.ee/record=b2692826*est

Исследование влияния технологических факторов и состава на свойства спеченных карбидохромовых твердых сплавов : Автореферат диссертации на соискание ученой степени кандидата технических наук

Pirso, Jüri 1976

Исследование возможностей применения центробежных форсунок, изготовленных методом порошковой металлургии

Valdma, Leo; Mosberg, Rudolf; Pirso, Jüri Расширенные тезисы докладов VI республиканского семинара по порошковой металлургии 1970 / с. 48-51 https://www.ester.ee/record=b1372156*est

Исследование гидроабразивного износа центробежных форсунок

Valdma, Leo; Mosberg, Rudolf; Pirso, Jüri Республиканская научная конференция : абразивная эрозия : тезисы докладов 1970 / с. 11-12 https://www.ester.ee/record=b1372146*est

Исследование износостойкости твердых сплавов на основе TiC-C в условиях эрозионного изнашивания
Bujanovski, I.; Lindo, G.; Tšistjakova, V.; Agošašvili, B.; **Pirso, Jüri; Kallas, Paul** Износ в машинах и методы защиты от него : тезисы докладов Всесоюзной научной конференции, посвященной 1000-летию г. Брянска (Брянск, 1985 г.) 1985 / с. 180

Исследование технологии и свойств порошковых медных сплавов, подвергнутых термической обработке
Letunovič, Sergei; Pirso, Jüri Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 40-41 https://www.ester.ee/record=b1256812*est

К прогнозированию газообразной износостойкости порошковых твердых сплавов
Kallas, Paul; Pirso, Jüri Трение и износ = Friction and Wear : международный научный журнал 1989 / с. 649-655 : ил https://www.ester.ee/record=b1312784*est

Карбидохромовые покрытия на спеченных сталях
Kulu, Priit; Pirso, Jüri; Arensbürger, Daniil Всесоюзная научно-техническая конференция "Проблемы порошковой металлургии при производстве деталей в машиностроении" (г. Ташкент, ноябрь 1979 г.) : Тезисы докладов 1979 / с. 107-108

Карбидохромовые спеченные сплавы
Pirso, Jüri Пути экономии вольфрамсодержащих инструментальных материалов : сборник тезисов докладов научно-технического семинара 1980 / с. 32-33 : табл https://www.ester.ee/record=b1275894*est

Кинетика абразивного изнашивания поверхностей спеченных твердых сплавов
Pirso, Jüri; Kallas, Paul Всесоюзная конференция по текстурам и рекристаллизации в металлах и сплавах (11-13 июня) : тезисы докладов 1980 / с. 282

Кинетика и механизм измельчения карбидохромоникелевой смеси при размоле
Arensbürger, Daniil; Pirso, Jüri Свойства и технология изготовления износостойких материалов 1982 / с. 37-46 : илл https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Коррозионностойкий антифрикционный материал на основе карбида хрома и никеля
Pirso, Jüri; Letunovič, Sergei Свойства и технология изготовления износостойких материалов 1984 / с. 53-62 : ил https://www.ester.ee/record=b1356624*est <https://digikogu.taltech.ee/et/Item/ea022321-1583-4ebc-b2cc-3fb5baef87a9>

Легирование карбидохромового спеченного сплава
Arop, A.; Valdma, Leo; Pirso, Jüri XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 181 https://www.ester.ee/record=b1306141*est

Механизм избирательного изнашивания порошковых твердых сплавов
Pirso, Jüri; Kallas, Paul Трение и износ в машинах. 13 1985 / с. 27-36

Механизм изнашивания боковой поверхности матриц вырубных твердосплавных штампов
Vitsut, E.; **Pirso, Jüri; Kallas, Paul** Пути повышения эффективности использования инструментальных ресурсов : сборник тезисов докладов научно-технического семинара 1983 / с. 42-49 : ил https://www.ester.ee/record=b1291705*est

Механизм изнашивания порошковых твердых сплавов при малой скорости абразивных частиц
Kallas, Paul; Pirso, Jüri Трение и износ = Friction and Wear : международный научный журнал 1986 / с. 484-492 : ил https://www.ester.ee/record=b1312784*est

Наплавленные карбидохромовые покрытия
Arensbürger, Daniil; Pirso, Jüri Защита металлов 1982 / с. 659-660

Некоторые зависимости между технологическими факторами свойствами карбидо-хромовых твердых сплавов
Valdma, Leo; Pirso, Jüri Eigenschaften, Herstellung, Einsatz metallischer Sinter- und Verbundwerkstoffe : Abhandlungen der V. Internationalen Pulvermetallurgischen Tagung, Dresden, 23. bis 25. Oktober 1973 1973 / S. 29-1-29-14

Некоторые свойства износостойких эмалевых покрытий, содержащих тугоплавкие карбиды
Arensbürger, Daniil; Pirso, Jüri Свойства и технология изготовления износостойких материалов 1980 / с. 3-9 : илл https://www.ester.ee/record=b1276393*est <https://digikogu.taltech.ee/et/Item/be560987-a637-4f71-93da-1a9ee9705512>

О влиянии режимов спекания на износостойкость твердого сплава BK15M в абразивной струе
Pirso, Jüri; Mosberg, Rudolf; Valdma, Leo Расширенные тезисы докладов VI республиканского семинара по порошковой металлургии 1970 / с. 52-56 : табл https://www.ester.ee/record=b1372156*est

О возможности моделирования изнашивания материалов мазутных форсунок
Valdma, Leo; Pirso, Jüri Износ, усталость и коррозия металлов : сборник статей. 5 1972 / с. 17-30 : илл https://www.ester.ee/record=b2190525*est <https://digikogu.taltech.ee/et/Item/bf437fe1-81f3-4dff-97b2-b8d240135d43>

О геометрии входных каналов центробежного распылителя

Valdma, Leo; Tümanok, Aleksei; Pirso, Jüri; Kudrjartsev, Vladimir; Nanits, Mats-Maidu Теплоэнергетика : сборник статей. 14 1973 / с. 23-32 : илл https://www.ester.ee/record=b2190625*est <https://digikogu.taltech.ee/et/Item/dcf3aba2-b1fd-412f-9c9b-d5aa41391933>

О механизме разрушения карбидохромовых спеченных твердых сплавов

Pirso, Jüri Трение и износ в машинах 1980 / с. 63-70 : илл https://www.ester.ee/record=b2191013*est <https://digikogu.taltech.ee/et/Item/ce30370b-afd1-4c7d-a563-4e4f7a1b178e>

О механизме разрушения карбидохромовых спеченных твердых сплавов

Pirso, Jüri Направления развития инструментального производства в X пятилетке : сборник тезисов докладов научно-технического семинара 1978 / с. 173 https://www.ester.ee/record=b1308562*est

Оптимизация состава порошкового электроконтактного материала

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

Опыт применения метода порошковой металлургии для изготовления распыливающих элементов форсунок жидкого топлива

Valdma, Leo; Pirso, Jüri; Mosberg, Rudolf; Kudrjartsev, Vladimir Тезисы докладов II Всесоюзного семинара по металлокерамическим конструкционным материалам и изделиям 1972 / с. 36-38

Особенности механизма гидроабразивного изнашивания карбидохромовых спеченных сплавов

Kallas, Paul; Pirso, Jüri; Valdma, Leo Трение и износ в машинах 1978 / с. 67-77 : илл https://www.ester.ee/record=b2190999*est <https://www.etera.ee/zoom/121378/view?page=1&p=separate&search=%D0%A2%D1%80%D0%B5%D0%BD%D0%B8%D0%B5%20%D0%B8%20%D0%B8%D0%B7%D0%BD%D0%BE%D1%81%20%D0%B2%20%D0%BC%D0%B0%D1%88%D0%B8%D0%BD%D0%B0%D1%85&tool=search&view=0.0.1964.3047>

Перспективные материалы для деталей форсунок жидкого топлива

Valdma, Leo; Mosberg, Rudolf; Pirso, Jüri; Kabral, Hillar-Endel Тезисы докладов республиканского семинара по порошковой металлургии 1969 / с. 27-29 https://www.ester.ee/record=b1339858*est

Показатели оценки износа твердосплавного разделительного штампа

Visut, E.; Pirso, Jüri; Kleis, Ilmar Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с.36-37 https://www.ester.ee/record=b1256812*est

Порошковая металлургия

Mosberg, Rudolf; Arensbürger, Daniil; Letunoviš, Sergei; Pirso, Jüri; Kallas, Paul; Agoššavili, 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

Порошковая металлургия

Mosberg, Rudolf; Valdma, Leo; Annuka, Harri; Kübarsepp, Jakob; Kallas, Paul; Kudrjartsev, Vladimir; Tani, P.; Arensbürger, 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

Применение математических методов при изучении влияния технологических факторов и состава на свойства твердого сплава на основе карбидов хрома

Pirso, Jüri; Valdma, Leo Тезисы докладов II Всесоюзного семинара по металлокерамическим конструкционным материалам и изделиям 1972 / с. 39-40

Принципы управления комплексом гидроабразивная износостойкость-прочность твердых сплавов

Valdma, Leo; Pirso, Jüri; Kallas, Paul; Kübarsepp, Jakob Новые технологические процессы в порошковой металлургии 1986 / с. 47-52 https://www.ester.ee/record=b2047985*est

Принципы управления комплексом гидроабразивная износостойкость-прочность твердых сплавов

Valdma, Leo; Pirso, Jüri; Kallas, Paul; Kübarsepp, Jakob Порошковая металлургия : тезисы докладов XV всесоюзной научно-технической конференции : (19-22 нояб. 1985 г.) 1985 / с. 403-404 https://www.ester.ee/record=b2336294*est

Разработка и исследование порошковых сплавов для распылителей жидкого топлива котлоагрегатов

Arutjunova, I.; Šestjorkin, N.; Pirso, Jüri; Kübarsepp, Jakob Технология сварки при изготовлении и ремонте элементов оборудования для тепловых электростанций 1988 / с. 118-122

Разработка эрозионностойких конструкционных элементов из безкобальтовых спеченных сплавов

Valdma, Leo; Pirso, Jüri; Kudrjartsev, Vladimir; Kozjakov, Vladimir Тезисы докладов III Всесоюзного семинара по конструкционным спеченным материалам и изделиям (8-10 апр. 1975 г.) 1975 / с. 49-50

Термодиффузионная обработка твердых сплавов на основе карбида хрома

Kudrjavitsev, Vladimir; Pirso, Jüri Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1982 / с. 69-73 https://www.ester.ee/record=b1645489*est

Термостойкость карбидохромовых спеченных сплавов

Pirso, Jüri; Valdma, Leo; Masing, Juhan Износ, усталость и коррозия металлов : сборник статей. 7 1975 / с. 39-45 : илл https://www.ester.ee/record=b2190702*est <https://digikogu.taltech.ee/et/Item/7b7b4d74-55e0-43cf-b22c-bd484ceb163f>

Технология и свойства сплавов TiC-сталь, изготовленных из карбида титана, полученного СВС-методом

Kübarsepp, Jakob; Pirso, Jüri; Arensbürger, Daniil Свойства и технология изготовления износостойких материалов 1984 / с. 3-8 : ил https://www.ester.ee/record=b1356624*est <https://digikogu.taltech.ee/et/Item/ea022321-1583-4ebc-b2cc-3fb5baef87a9>

Трение и износ в машинах

Tadolder, Jüri; Kleis, Ilmar; Remi, Toomas; Kangur, Hillar; Ellermäa, Riho-Rene; Pallase, Ado; Kulu, Priit; Halling, Jaanus; Pirso, Jüri; Kallas, Paul; Klautš, D.N.; Kuštševa, M.N.; Rõuk, Marina; Kübarsepp, Jakob; Annuka, Harri; Valdma, Leo; Ajaots, Mairo; Põdra, Priit; Tamre, Mart 1989 https://www.ester.ee/record=b2191662*est

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

Трение и износ в машинах

Tadolder, Jüri; Kangur, Hillar; Kleis, Ilmar; Pirso, Jüri; Kallas, Paul; Kulu, Priit; Halling, Jaanus; Nanits, Mats-Maidu; Velling, Ants; Kotkas, Jüri; Pappel, Toivo; Verežnikov, V.N.; Judin, V.J.; Lees, Rein; Ajaots, Mairo; Laaneots, Rein; Saar, Bernhard; Roosimölder, Lembit; Beckmann, G.; Gotzmann, J. 1985 https://www.ester.ee/record=b2191144*est

Характер изнашивания рабочих органов турбоизмельчителей

Kleis, Ilmar; Valdma, Leo; Sokolov, A. F.; Pirso, Jüri; Pappel, Toivo Химическое и нефтегазовое машиностроение : научно-технический и производственный журнал 1977 / с. 33-34 : илл https://www.ester.ee/record=b2158380*est

Характер износа центробежных мазутных форсунок

Valdma, Leo; Mosberg, Rudolf; Pirso, Jüri; Kudrjavitsev, Vladimir; Kozjakov, Vladimir Научно-координационное совещание по абразивному изнашиванию. Тезисы докладов и сообщений. 17-19 января 1972 г 1971 / с. 79-82

Характер эрозии центробежных распылителей мазутных форсунок

Valdma, Leo; Pakkas, Loit; Arumeel, Edgar; Pirso, Jüri; Kozjakov, Vladimir Энергомашиностроение : ежемесячный научно-технический и производственный журнал 1974 / с. 41-43 https://www.ester.ee/record=b2253960*est

Химико-термическая обработка спеченных твердых сплавов

Kotkas, Kalev; Pirso, Jüri 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