

Comparison of values of residual stresses determined by various methods in hard nickel coatings prepared by brush-plating in sulfate solution

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; Reitsnik, Renno; **Veinthal, Renno; Mikli, Valdek; Sergejev, Fjodor** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 680-687 : ill

Curing behaviour of melamine-urea-formaldehyde resins

Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Lasn, Ilmar Proceedings of Baltic Polymer Symposium 2003 : Jurmala, September 17-19, 2003 2003 / p. 57-63 : ill

Deformations in round-profiled threads and their influence on the screw durability

Penkov, Igor; Strižak, Viktor; Sivitski, Alina International Review of Civil Engineering 2014 / p. 61-67

Dynamic hardness as the most reliable number characterising the properties of materials

Kleis, Ilmar; Remi, Toomas Abstracts of the 1-st European Solid Mechanics Conference EUROMECH 91, München, 9-13 Sept. 1991 1991 / p. 118-119

Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite

Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; **Singh, Neera;** Jamwal, Anbesh Materials today: proceedings 2020 / p. 1407-1411 <https://doi.org/10.1016/j.matpr.2019.08.179> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Gradient microstructure in tantalum formed under the wear track during dry sliding friction

Kommel, Lembit; Põdra, Priit; Mikli, Valdek; Omranpour Shahreza, Babak Wear 2021 / art. 203573, 7 p. : ill
<https://doi.org/10.1016/j.wear.2020.203573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hardness of hot consolidated Al-SiC nanocomposites from planetary milled powders

Kollo, Lauri; Leparoux, Marc; Bradbury, Christopher R.; **Kommel, Lembit;** Carreno-Morelli, Efrain; Rodriguez-Arbaizar, M. World PM2010 proceedings. Vol. 1, Powder Manufacturing and Processing, Miniaturization and Nanotechnology, Powder Pressing 2010 / p. 341-346 https://www.researchgate.net/publication/272160715_Hardness_of_Hot_Consolidates_Al-SiC_Nanocomposites_from_Planetary_Milled_Powders

The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing

Omranpour Shahreza, Babak; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit; Sergejev, Fjodor** Tribology international 2022 / art. 107412 <https://doi.org/10.1016/j.triboint.2021.107412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indentation hardness as a tool for powder coating characterization

Veinthal, Renno Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 40

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

Kommel, Lembit; Traksmäa, 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

Investigation of (Ti, Al)N based coatings grown by physical vapor deposition

Podgurski, Vitali; Torp, Bo; **Traksmäa, Rainer; Veinthal, Renno; Viljus, Mart;** Coddet, Olivier; Morstein, Marcus; **Gregor, Andre;** Kulu, Priit Materials science = Medžiagotyra 2005 / 4, p. 352-355 : ill
https://www.researchgate.net/publication/237812860_Investigation_of_Ti_AIN_Based_Coatings_Grown_by_Physical_Vapor_Deposition

Kõvadus; Lõige; Lõikemeetod

Raukas, Uusi Eesti entsüklopeedia. 5 1990 / lk. 292: ill, lk. 679: ill, lk. 680: ill

Legeeritud titaankarbiidsete paagutatud kõvasulamite hüdroabrasiivne kulumine

Põld, R.; Kallas, P. XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 80-81 https://www.ester.ee/record=b2449987*est

Löögi energia uurimine erikujuliste indenteritega : magistritöö

Remi, Toomas 1992 https://www.ester.ee/record=b2632253*est

Minimum weight problem of circular hardening plates using nonassociated yield law

Kirs, Jüri Proceedings of the 21th [i. e. 21st] International Conference of Mathematical Modelling in Solid Mechanics. 2 2006 / p. 278-286

MoSi₂-based composites by selective laser melting = Selektiivse lasersulatuse teel valmistatud MoSi₂ baasil komposiidid
Minasyan, Tatevik 2020 https://www.ester.ee/record=b5388072*est <https://digikogu.taltech.ee/et/Item/26aa1fe6-b853-43b8-887a-51b6efa0b5ef>

Optimization of mechanical strength of titania fibers fabricated by direct drawing

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

Production technology elaboration and characterization of Al-MWCNT, Al-fullerenes and Al-B₄C composites

Kommel, Lembit; Metsvahi, Rainer; Mihhalsenkov, M. Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 651-656 : ill

Selective laser melting of Inconel 718 : effect of thermal treatment on mechanical properties

Mohanty, Shalini; Maurya, Himanshu Singh; Prashanth, Konda Gokuldoss Materials today: proceedings 2023 / 5 p. : ill
<https://doi.org/10.1016/j.matpr.2023.03.164> [Journal metrics at Scopus](#) [Article at Scopus](#)

Subsurface of Cr₃C₂-Ni cermets modified by wear [Electronic resource]

Antonov, Maksim; Hussainova, Irina Proceedings of the 10th International Conference of the European Ceramic Society 2008 / ? p. [CD-ROM] https://www.academia.edu/24587100/Subsurface_of_Cr_3_C_2_Ni_Cermets_Modified_by_Wear

Testing hardened steel targets for dynamic hardness

Kleis, Ilmar; Remi, Toomas Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 1, p. 39-44 : ill

The method for determinating the dynamic hardness of materials

Kleis, Ilmar; Remi, Toomas OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 329-331 : ill

The method for determinating the dynamic hardness of materials

Kleis, Ilmar; Remi, Toomas International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

Tribological behavior of hybrid coatings at extreme conditions = Hübriidpinnete triboloogiline käitumine ekstreemsetes tingimustes

Shaikh, Asad Alamgir 2021 https://www.ester.ee/record=b5434621*est <https://digikogu.taltech.ee/et/Item/2b9c25e8-2f7f-46ea-859a-366bf4b7f252> <https://doi.org/10.23658/taltech.33/2021>

Tugevuslabor katsetab ehitusmaterjalide vastupidavust : [TTÜ tugevuslaborist]

Kalberg, Signe Eesti Päevaleht 2011 / Kodu ja Kinnisvara, lk. [7]

Vacuum hot pressing of oxide dispersion strengthened ferritic stainless steels : effect of al addition on the microstructure and properties

Ganesan, Dharmalingam; Sellamuthu, Prabhukumar; Prashanth, Konda Gokuldoss Journal of Manufacturing and Materials Processing 2020 / art. 93 <https://doi.org/10.3390/jmmp4030093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Valorizing low-quality wood species into innovative multilayer engineered wood products = Madalakvaliteediliste puiduliikide puidu väärimine innovatiivseteks kihilisteks inseneripuittoodeteks

Akkurt, Tolgay 2025 https://www.ester.ee/record=b5757106*est <https://digikogu.taltech.ee/et/Item/8f72385d-d8f0-40eb-b21f-f41170872c8e> <https://doi.org/10.23658/taltech.58/2025>

Vickers hardness of ceramics fired at different temperatures

Šin, P.; Veinthal, Renno; Sergejev, Fjodor; Antonov, Maksim; Stubna, I. Young Researchers 2011, PhD Students, Young Scientists and Pedagogues Conference proceedings : Nitra, Slovakia, 21-22 September 2011 2011 / p. 565-570
https://www.researchgate.net/publication/265794312_Vickers_hardness_of_ceramics_fired_at_different_temperatures

Исследование ударного износа металлокерамических твердых сплавов разной твердости

Kleis, Ilmar Износ, усталость и коррозия металлов : сборник статей. 1 1965 / с. 11-16 : илл
https://www.ester.ee/record=b2181989*est <https://digikogu.taltech.ee/et/Item/c8c0d777-7bb9-4cb8-9189-55809fb62535>

О факторах, влияющих на твердость металла

Pilvre, Uno XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 36-37 https://www.ester.ee/record=b1359832*est

Определение твердости порошковых материалов и покрытий

Aasa, A.; Kulu, Priit XXXII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1988 г. : тезисы докладов : [в 3-х частях], ч. 2 1988 / с. 106

https://www.ester.ee/record=b1571601*est

Твердость и электропроводность дисперсионно-твердеющих спеченных медных сплавов

Rudenja, Sergei; Arensburger, Daniil XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 137 https://www.ester.ee/record=b1305565*est