Adhesive wear of WC- and TiC-based friction stir welding tool materials for aluminium alloy welding [Electronic resource]
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / 6 p. : ill. [USB] https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb

Alloying of TiC-FeCr cermet in manganese vapor
Kolnes, Märt; **Tarraste, Marek**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Viljus, Mart** IOP conference series : materials science and engineering 2021 / art. 012043 https://doi.org/10.1088/1757-899X/1140/1/012043

Aluminium - stainless steel hybrid composites obtained by selective laser melting and centrifugal casting [Online resource]
Holovenko, Yaroslav; **Kollo, Lauri**; **Kolnes, Märt** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

Boron containing solid and superhard composites production techniques and properties [Electronic resource]
Kommel, Lembit; **Kübarsepp, Jakob**; **Tarraste, Marek**; **Kolnes, Märt** World PM2016 proceedings 2016 / [6] p. : ill. [USB]

Characterization of TiC-FeCrMn cermets produced by powder metallurgy method
Kolnes, Märt; **Kübarsepp, Jakob**; **Kollo, Lauri**; **Viljus, Mart** Medžiagotyra = Materials science 2015 / p. 353-357 : ill https://doi.org/10.5755/j01.ms.21.3.7364 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cobalt- and nickel-free titanium and chromium carbide-based cermets = Koobalti- ja nikli-vabad titaankarbiid- ja kroomkarbiidkermised
Kolnes, Märt 2018 https://digi.lib.ttu.ee/i/?9960 https://www.ester.ee/record=b5138030*est

Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.224 Conference proceedings at Scopus Article at Scopus

Effect of high chromium content additions in iron-bonded Ti(C,N) cermets: a hardness-toughness tradeoff
Pampori, Tabeen Halawat; **Kolnes, Märt**; **Juhani, Kristjan**; **Tarraste, Marek**; **Kübarsepp, Jakob** Proceedings of the Estonian Academy of Sciences 2025 / p. 170-174 : ill https://doi.org/10.3176/proc.2025.2.16

The effect of niobium on the microstructure evolution of ferritic stainless steel matrix cermets
Kolnes, Märt; **Juhani, Kristjan**; **Kübarsepp, Jakob**; **Viljus, Mart** Modern materials and manufacturing 2023 2024 / art. 040011 https://doi.org/10.1063/5.0190158 Conference Proceedings at Scopus Article at Scopus

Effect of sintering conditions on microstructure and performance of TiC-FeCrMn cermets [Electronic resource]
Kolnes, Märt; **Kübarsepp, Jakob**; **Viljus, Mart**; **Traksmaa, Rainer**; **Illopmägi, Siim** World PM2016 proceedings 2016 / [7] p. : ill. [USB]

Electrical and thermal anisotropy in additively manufactured AlSi10Mg and Fe-Si samples
Sarap, Martin; **Tiismus, Hans**; **Kallaste, Ants**; **Saarna, Mart**; **Kolnes, Märt**; Shams Ghahfarokhi, Payam; **Vaimann, Toomas** Machines 2025 / art. 1 https://doi.org/10.3390/machines13010001

Erosive and impact-abrasive wear of hardmetals with Fe-based binders
Tarraste, Marek; **Antonov, Maksim**; **Kolnes, Märt**; **Viljus, Mart**; **Ormus, Andres-Hardi** Journal of the Japan Society of Powder and Powder Metallurgy 2025 / p. S1437-S1444 https://doi.org/10.2497/jjspm.16F-T15-05

Exploring microstructural properties, phase transformations, and wettability in high-chromium content iron-bonded Ti(C,N)-based cermet
Pampori, Tabeen Halawat; **Kolnes, Märt**; **Juhani, Kristjan**; **Tarraste, Marek**; Maurya, Himanshu Singh; **Kübarsepp, Jakob** Journal of the Japan Society of Powder and Powder Metallurgy 2025 / p. S1533-S1540 https://doi.org/10.2497/jjspm.16P-T14-06

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

Ferritic chromium steel as binder metal for WC cemented carbides
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Mere, Arvo**; **Kolnes, Märt**; **Viljus, Mart**; **Maaten, Birgit** International journal of refractory metals and hard materials 2018 / p. 183-191 : ill https://doi.org/10.1016/j.ijrmhm.2018.02.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High energy milling of WC-FeCr cemented carbide
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kolnes, Märt**; **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. 136-141 : ill https://www.scientific.net/KEM.799.136 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.136 Conference proceeding at Scopus Article at Scopus

In-situ alloying of TiC-FeCr cermets in manganese vapour
Kolnes, Märt; **Tarraste, Marek**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Viljus, Mart** Proceedings of the Estonian Academy of Sciences 2021 / p. 533-539 : ill https://doi.org/10.3176/proc.2021.4.22 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kermiste mikrostruktuur
Kolnes, Märt; **Tarraste, Marek** Horisont 2017 / lk. 20-21 : ill http://www.ester.ee/record=b1072243*est https://artiklid.elnet.ee/record=b2819541*est

Metalsete materjalide keevisõmbluste purustav katsetamine : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2022)
2024 https://www.ester.ee/record=b5678158*est

Metalsete materjalide keevisõmbluste purustav katsetamine : ristsuunalised tõmbekatsed = Destructive tests on welds in metallic materials : transverse tensile test (ISO 4136:2022)
2024 https://www.ester.ee/record=b5678037*est

Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder
Kolnes, Märt; **Mere, Arvo**; **Kübarsepp, Jakob**; **Viljus, Mart**; **Maaten, Birgit**; **Tarraste, Marek** Powder metallurgy 2018 / p. 197-209 : ill https://doi.org/10.1080/00325899.2018.1447268 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance of ceramic-metal composites as potential tool materials for friction stir welding of aluminium, copper and stainless steel
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt**; **Tarraste, Marek**; **Viljus, Mart** Materials 2020 / art. 1994, 18 p. : ill https://doi.org/10.3390/ma13081994 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Production of superhard carbon rich boron carbon ($B_{11.72}C_{3.28}$) based composite in the B_4C-Al-WC-Co-Cu system through SHS and SPS techniques [Electronic resource]
Kommel, Lembit; **Tarraste, Marek**; **Kolnes, Märt**; **Veinthal, Renno**; **Kübarsepp, Jakob** Euro PM2015 Congress & Exibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

Sintering of high Mn cemented carbides in Mn-rich environment
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart**; **Mere, Arvo** Defect and diffusion forum 2020 / p. 402–407 https://doi.org/10.4028/www.scientific.net/DDF.405.402 Conference proceedings at Scopus Article at Scopus

Sintering parameters of TiC cermets with FeCr binder
Kolnes, Märt; **Kübarsepp, Jakob** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Structure formation and characteristics of chromium carbide-iron-titanium cermets
Kolnes, Märt; **Pirso, Jüri**; **Kübarsepp, Jakob**; **Viljus, Mart**; **Traksmaa, Rainer** Proceedings of the Estonian Academy of Sciences 2016 / p. 138-143 : ill https://doi.org/10.3176/proc.2016.2.09 https://artiklid.elnet.ee/record=b2768217*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Technological peculiarities of chromium carbide-based iron alloy bonded cermet
Kolnes, Märt; **Kübarsepp, Jakob**; **Viljus, Mart**; **Traksmaa, Rainer** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 82-86 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.82 Conference proceedings at Scopus Article at Scopus

Ultrafine cemented carbides with cobalt and iron binders prepared via reactive in situ sintering
Tarraste, Marek; **Kübarsepp, Jakob**; **Mere, Arvo**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart** Solid state phenomena ; 320 2021 / p. 176-180 https://doi.org/10.4028/www.scientific.net/SSP.320.176 Conference Proceedings at Scopus Article at Scopus

Wear behavior of ceramic-metal composites as tool material for FSW of copper
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt**; **Tarraste, Marek**; **Viljus, Mart** Solid state phenomena ; 320 2021 / p. 144–149 https://doi.org/10.4028/www.scientific.net/SSP.320.144 Conference proceedings at Scopus Article at Scopus

Wear of potential tool materials for aluminium alloys friction stir welding at weld temperatures
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** Proceedings of the Estonian Academy of Sciences 2019 / p. 198–206 : ill https://doi.org/10.3176/proc.2019.2.12 http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-198-206.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS