

Chemical pre-treatment of mechanically milled recycled hardmetal powders

Zikin, Arkadi; Yung, Der-Liang; **Hussainova, Irina**; Ilo, S. Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 777-782 : ill

Chemical pre-treatment of resycled hardmetal powders for plasma transferred arc hardfacing

Yung, Der-Liang TTÜ üliõpilaste teadustööde konkursi kokkuvõtteid : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / p. 15

Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites

Umalas, Madis; **Hussainova, Irina**; Reedo, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill
<https://doi.org/10.1016/j.matchemphys.2015.01.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparing tungsten carbide based composites reinforced by alumina nanofibers or zirconia

Yung, Der-Liang; Dong, Minjie; **Hussainova, Irina** Proceedings of the PM13 International Conference on Powder Metallurgy and Particulate Materials 2013 / p. 24-35 : ill

Composition and structure of bimodal WC-Co materials related to mechanical properties and abrasive wear

Yung, Der-Liang; Antonov, Maksim; **Hussainova, Irina**; Veinthal, Renno; Hogmark, Sture M2D2015 : proceedings of the 6th International Conference on Mechanics and Materials in Design, 2015 2015 / p. 655-664

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

Effect of erodent particle impact energy on wear of cemented carbides

Antonov, Maksim; Yung, Der-Liang; **Goljandin, Dmitri**; **Mikli, Valdek**; **Hussainova, Irina** Wear 2017 / p. 507-515 : ill
<https://doi.org/10.1016/j.wear.2016.11.032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of grain growth inhibitors VC/Cr3C2 on WC-ZrO2-Ni composite mechanics

Yung, Der-Liang; Dong, Minjie; **Hussainova, Irina** Engineering materials & tribology XXII 2014 / p. 106-109
<https://doi.org/10.4028/www.scientific.net/KEM.604.106> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Effect of temperature on sliding and erosive wear of fiber reinforced polyimide hybrids

Zhao, Gai; **Hussainova, Irina**; **Antonov, Maksim**; Wang, Qihua; Wang, Tingmei; **Yung, Der-Liang** Tribology international 2015 / p. 525-533 : ill
<https://doi.org/10.1016/j.triboint.2014.01.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of different reinforcing particles on the scratch resistance and microstructure of different WC-Ni composites

Marou Alzouma, O.; Azman, M.-A.; **Yung, Der-Liang**; Fridrici, V.; Kapsa, Ph. Wear 2016 / p. 130-135 : ill
<https://doi.org/10.1016/j.wear.2016.02.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laboratory testing of materials for tunnel boring machine drag bits

Katušin, Dmitri; **Antonov, Maksim**; Vu, Trieu Minh; **Yung, Der-Liang** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 300-303 : ill

Mapping of impact-abrasive wear performance of WC-Co cemented carbides

Antonov, Maksim; **Veinthal, Renno**; **Yung, Der-Liang**; **Katušin, Dmitri**; **Hussainova, Irina** Wear 2015 / p. 971-978 : ill
<https://doi.org/10.1016/j.wear.2015.02.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanically activated synthesis of ZrC nanopowders to produce composites with TiC and Mo additives

Yung, Der-Liang; **Kollo, Lauri**; **Hussainova, Irina**; **Zikin, Arkadi** ECOTRIB 2011 : 3rd European Conference on Tribology and 4th Vienna International Conference on Nano-Technology : June 7-9, 2011, Vienna, Austria. 2011 / p. 793-796

Mechanically activated synthesized zirconium carbide substrate to make ZrC-Mo cermets

Yung, Der-Liang; **Kollo, Lauri**; **Hussainova, Irina**; **Zikin, Arkadi** Proceedings of EURO PM 2011 Congress & Exhibition : October 9-12, 2011, Barcelona, Spain 2011 / [6] p. : ill
https://www.researchgate.net/publication/250242216_Mechanically_activated_synthesized_zirconium_carbide_substrate_to_make_ZrC-Mo_cermets

NeTTUN project : how to increase the lifetime of TBM drag bits?

Fridrici, V.; **Antonov, Maksim**; **Katušin, Dmitri**; **Yung, Der-Liang**; **Veinthal, Renno**; **Hussainova, Irina** 2nd Eastern European Tunnelling Conference "Tunneling in a Challenging Environment", Making tunneling business in difficult times : EETC 2014, Athens, Greece, 28 September - 1 October 2014 2014

Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites

Yung, Der-Liang; Maaten, Birgit; Antonov, Maksim; Hussainova, Irina International journal of refractory metals and hard materials 2017 / p. 244-251 : ill <https://doi.org/10.1016/j.jirmhm.2017.03.019> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Processing of ZrC-TiC composites by SPS

Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; Traksmaa, Rainer Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 94-99 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.94> Conference Proceedings at Scopus Article at Scopus

Reactive sintering of zirconium carbide based systems

Yung, Der-Liang; Kollo, Lauri; Hussainova, Irina; Zikin, Arkadi Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 783-788 : ill

Reactive sintering of ZrC-TiC composites

Yung, Der-Liang; Kollo, Lauri; Hussainova, Irina; Zikin, Arkadi Engineering materials and tribology 2013 / p. 20-25 https://www.researchgate.net/publication/234110368_Reactive_Sintering_of_ZrC-TiC_Composites

Sintering of zirconium carbide-based composites

Yung, Der-Liang; Voltšihhin, Nikolai; Hussainova, Irina; Kollo, Lauri; Traksmaa, Rainer Proceedings of EuroPM2012 – Hardmetals : Cermets and Ceramics 2012 / p. 83-88 : ill https://www.researchgate.net/publication/250254543_Sintering_of_zirconium_carbide-based_composites

Spark plasma sintered ZrC-Mo cermets : influence of temperature and compaction pressure

Yung, Der-Liang; Antonov, Maksim; Hussainova, Irina Ceramics international 2016 / p. 12907-12913 : ill <https://doi.org/10.1016/j.ceramint.2016.05.059> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ZrC-based and ZrC-doped composites for high-temperature and wear applications = ZrC baasil ja ZrC-ga legeritud komposiitmaterjalid rakendusteks kõrgtemperatuursetes ja kulumistingimustes

Yung, Der-Liang 2016 http://www.ester.ee/record=b4621174*est

The science of sinter-HIP : when to turn on the gas

Yung, Der-Liang; Tarraste, Marek; Hussainova, Irina TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Toward high temperature tough ceramics

Hussainova, Irina; Yung, Der-Liang; Voltšihhin, Nikolai; Traksmaa, Rainer; Hannula, Simo-Pekka ECCM15 - 15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 / [8] p <http://www.escm.eu.org/eccm15/data/assets/178.pdf>

Tribological performances of ZrC-Ni and TiC-Ni cermet reinforced PTA hardfacings at elevated temperatures

Yung, Der-Liang; Zikin, Arkadi; Hussainova, Irina; Danninger, Herbert; Badisch, Ewald; Gavrilovic, A. Surface and coatings technology 2017 / p. 497-505 : ill <https://doi.org/10.1016/j.surfcoat.2016.11.099> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ultra high-pressure spark plasma sintered ZrC-Mo and ZrC-TiC composites

Yung, Der-Liang; Cygan, Slawomir; Antonov, Maksim; Jaworska, Lucyna; Hussainova, Irina International journal of refractory metals and hard materials 2016 / p. 201-206 : ill <https://doi.org/10.1016/j.jirmhm.2016.09.014> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wear behaviour of doped WC-Ni based hardmetals tested by four methods

Yung, Der-Liang; Antonov, Maksim; Veinthal, Renno; Hussainova, Irina Wear 2016 / p. 171-179 : ill <https://doi.org/10.1016/j.wear.2016.02.015> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Vilistlane Der-Liang Yung : TTÜs olemine tõi välja parima osa minust

Yung, Der-Liang Mente et Manu 2019 / lk. 62-63 : fot https://www.ester.ee/record=b1242496*est https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html