

Al-SiC nanocomposites produced by high-energy milling and hot pressing

Kollo, Lauri; Bradbury, Christopher R.; Leparoux, Marc 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 25 : ill

Characterization of microstructure and mechanical properties of friction stir welded AlMg5-Al₂O₃ nanocomposites

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc Materials science and engineering : A 2016 / p. 109-122 : ill
<http://dx.doi.org/10.1016/j.msea.2016.01.102>

Effect of milling time on dual-nanoparticulate-reinforced aluminum alloy matrix composite materials

Kwon, Hansang; **Saarna, Mart**; Yoon, Songhak; Weidenkaff, Anke; Leparoux, Marc Materials science and engineering : A 2014 / p. 338-345 <https://doi.org/10.1016/j.msea.2013.10.046> [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

Hardness of multi wall carbon nanotubes reinforced aluminium matrix composites

Bradbury, Christopher R.; **Gomon, Jaana-Kateriina**; **Kollo, Lauri**; Kwon, Hansang; Leparoux, Marc Journal of alloys and compounds 2014 / p. 362-367 : ill <https://doi.org/10.1016/j.jallcom.2013.09.142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High strength ductile aluminium matrix composite = Kõrgtugev ja plastne alumiiniumkomposiitmaterjal

Kallip, Kaspar 2017 <https://digi.lib.ttu.ee/i/?9114> https://www.ester.ee/record=b4746456*est

High strength Ti-6Al-4V alloy fabricated by high-energy cube milling using calcium as process control agent (PCA) and spark plasma sintering

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc; AlOgab, Khaled A.; Talari, Mahesh Kumar; Alqathani, N. M. The international journal of advanced manufacturing technology 2017 / p. 445-453 : ill <https://doi.org/10.1007/s00170-017-9994-9>

Influence of microstructure and strengthening mechanism of AlMg5-Al₂O₃ nanocomposites prepared via spark plasma sintering

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc Materials & design 2016 / p. 534-544 : ill
<http://dx.doi.org/10.1016/j.matdes.2016.01.138>

Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites

Kallip, Kaspar; Leparoux, Marc; AlOgab, Khaled A. Journal of alloys and compounds 2015 / p. 710-718 : ill
<http://dx.doi.org/10.1016/j.jallcom.2015.06.169>

Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites [Online resource]

Kallip, Kaspar; Leparoux, Marc; AlOgab, Khaled A. Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fmtdk.ut.ee/teesid/>

Investigation of planetary milling for nano-silicon carbide reinforced aluminium metal matrix composites

Kollo, Lauri; Leparoux, Marc; Bradbury, Christopher R.; Jäggi, Christian; Carreno-Morelli, Efrain; Rodriguez-Arbaizar, Mikel Journal of alloys and compounds 2010 / p. 394-400 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0925838809018738>

Microstructure and mechanical properties of near net shaped aluminium/alumina nanocomposites fabricated by powder metallurgy

Kallip, Kaspar; Babu, N. Kishore; AlOgab, Khaled A.; **Kollo, Lauri**; Maeder, Xavier; Arroyo, Yadira; Leparoux, Marc Journal of alloys and compounds 2017 / p. 133-143 : ill <https://doi.org/10.1016/j.jallcom.2017.04.233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution and mechanical properties investigation of friction stir welded AlMg5-Al₂O₃ nanocomposites

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc TMS 2016 : 145 Annual Meeting & Exhibition : supplemental proceedings 2016 / p. 729-736 : ill http://dx.doi.org/10.1007/978-3-319-48254-5_87

Nanoparticulate reinforced aluminum alloy composites produced by powder metallurgy route

Kallip, Kaspar; **Kollo, Lauri**; Leparoux, Marc; Bradbury, Christopher R. Advanced composites for aerospace, marine, and land applications II : proceedings of a symposium sponsored by The Minerals, Metals & Materials Society (TMS) held during TMS 2015, March 15-19, 2015, Walt Disney World, Orlando, Florida, USA 2015 / p. 165-174 <http://dx.doi.org/10.1002/9781119093213>

Nano-silicon carbide reinforced aluminium produced by high-energy milling and hot consolidation

Kollo, Lauri; Bradbury, Christopher R.; **Veinthal, Renno**; Jäggi, Christian; Carreno-Morelli, Efrain; Leparoux, Marc Materials

Phase evolution during high energy cube milling of Ti-6Al-4V-0.5 vol% TiC powders using heptane and tin as process control agents (PCAs)

Kishore Babu, N.; **Kallip, Kaspar**; Leparoux, Marc Advanced engineering materials 2017 / art. 1600662, p. 1-6 : ill
<http://dx.doi.org/10.1002/adem.201600662>

Solid state processing of aluminum matrix Composites reinforced with nanoparticulate materials

Leparoux, Marc; **Kollo, Lauri**; Kwon, Hansang; **Kallip, Kaspar**; Babu, N. Kishore; AlOgab, Khaled A.; Talari, Mahesh Kumar Advanced engineering materials 2018 / art. 1800401, 18 p.: ill <https://doi.org/10.1002/adem.201800401> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface fatigue of Al-metal matrix composites at impact loading

Saarna, Mart; **Sergejev, Fjodor**; **Gomon, Jaana-Kateriina**; **Kollo, Lauri**; Leparoux, Marc Engineering materials and tribology 2013 / p. 119-124 : ill