

AFM characterization of the surface morphology of the severe plastic deformed copper [Electronic resource]

Hussainova, Irina; Lõhmus, Rünno; **Kommel, Lembit**; Siimon, H. Proceedings of Material Research Society Spring Meeting : March 28 - April 1, 2005, San Francisco, CA, USA 2005 / [CD-ROM]

Crack formation during post-treatment of nano- and microfibres prepared by sol-gel technique

Tätte, Tanel; Kolesnikova, Anna; **Hussainov, Medhat**; Talviste, R.; Lõhmus, Rünno; Romanov, Alexey; **Hussainova, Irina**; Part, Marko; Lõhmus, Ants Journal of nanoscience and nanotechnology 2010 / 9, p. 6009-6016 <https://pubmed.ncbi.nlm.nih.gov/21133140/>

Determination of antibiotic residues in sewage sludge by pressurized liquid extraction and LC-ESI-MS

Kipper, Karin; Lillenberg, Merike; Yurchenko, Sergei; Herodes, Koit; Pihl, Viljar; Sepp, Kalev; Lõhmus, Rünno; **Nei, Lembit** NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 102

The effect of heat treatment on the morphology and mobility of Au nanoparticles

Oras, Sven; Vlassov, Sergei; Vigonski, Simon; Polyakov, Boris; Antsov, Mikk; Zadin, Vahur; Lõhmus, Rünno; Mougin, Karine Beilstein Journal of Nanotechnology 2020 / p. 61-67 <https://doi.org/10.3762/bjnano.11.6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of prestressing and temperature on tensile strength of basalt fiber-reinforced plywood

Lõhmus, Rünno; **Kallakas, Heikko**; **Tuhkanen, Eero**; Gulik, Volodymyr; Kiisk, Madis; Saal, Kristjan; **Kalamees, Targo** Materials 2021 / art. 4701, 9 p. : ill <https://doi.org/10.3390/ma14164701> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fiber-reinforced plywood: Increased performance with less raw material

Saal, Kristjan; **Kallakas, Heikko**; **Tuhkanen, Eero**; Just, Alar; Rohumaa, Anti; **Kers, Jaan**; **Kalamees, Targo**; **Lõhmus, Rünno** Materials 2024 / art. 3218 <https://doi.org/10.3390/ma17133218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving the oxygen barrier of polyamide food packaging by using nanoclay

Paara, Tõnis; Lange, Sven; Saal, Kristjan; Lõhmus, Rünno; **Krumme, Andres**; Mändar, Hugo Materials science = Medžiagotyra 2022 / p. 217-223 <https://doi.org/10.5755/j02.ms.28868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-situ study of TiO₂ thin-films mechanical behavior under loading

Lõhmus, Rünno; **Hussainova, Irina**; Leinberg, Silver; Aarik, Jaan; Tarre, Aivar; Lõhmus, Ants Proceedings of Material Research Society Spring Meeting : April 9-13, 2007, San Francisco, CA, USA 2007 / ? p

Introduction to nanomaterials and nanotechnology

Pokropivny, Vladimir; Lõhmus, Rünno; **Hussainova, Irina**; Pokropivny, Alex; Vlassov, Sergei 2007 https://www.ester.ee/record=b2310170*est

Investigation of nickel and copper microfoils defect formation under the stress

Leinberg, Silver; Lõhmus, Rünno; **Hussainova, Irina**; **Nisumaa, Reet** 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 42-43 : ill

IPhO 2012: how magnets curve the water

Kalda, Jaan; Kikas, Jaak; Heidelberg, M.; Ainsaar, Ain; Lõhmus, Rünno European journal of physics 2013 / p. S35-S48 : ill <https://doi.org/10.1088/0143-0807/34/4/S35> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Magnetic and structural studies of LaMnO₃ thin films prepared by atomic layer deposition

Khanduri, Himani; **Chandra Dimri, Mukesh**; Vasala, S.; Leinberg, Silver; Lõhmus, Rünno; Ashworth, T. V.; **Mere, Arvo**; **Krustok, Jüri**; Karpinen, Maarit; Stern, Raivo Journal of physics D : applied physics 2013 / p. 1-8 : ill <https://doi.org/10.1088/0022-3727/46/17/175003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical behaviour of nanostructured copper produced by SPD method

Hussainova, Irina; **Kommel, Lembit**; Lõhmus, Rünno; Lõhmus, Ants Proceedings of International Conference on Modern Materials Science > September 26-30, 2005, Kiev, Ukraine 2005 / ? p

Microscopic characterization of surface morphology of nanostructured copper

Hussainova, Irina; **Kommel, Lembit**; Lõhmus, Rünno; **Volobujeva, Olga** Reviews on advanced materials science 2005 / p. 266-271 : ill

Microscopic study of structural features of nanocrystalline copper [Electronic resource]

Lõhmus, Rünno; **Hussainova, Irina**; Vesi, U.; **Nisumaa, Reet** Proceedings of NeNaMat Conference Nano 05 : November 8-11, Brno, Czech Republic 2005 / ? p. [CD-ROM]

Microstructural evolution and mechanical properties of nanostructured copper

Kommel, Lembit; Hussainova, Irina; Volobujeva, Olga; Lõhmus, Rünno Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 3, p. 187-197 : ill

Mikro- ja nanotehnoloogiliste uurimismeetodite arendamine tööstuslike materjalide väljatöötamiseks : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Kübarsepp, Jakob; Lõhmus, Ants; **Hussainova, Irina;** Lõhmus, Rünno Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 269-284

Plywood reinforced with volcanic fibre fabric

Kattamanchi, Tanuj; Kallakas, Heikko; Hakonen, Joonas Lauri; Lõhmus, Rünno Baltic Polymer Symposium 2025 : 23d International Scientific Conference BPS 2025 "Baltic Polymer Symposium 2025" : Book of abstracts 2025 / p. 80
<http://woodval.taltech.ee/wp-content/uploads/2025/07/BPS2025-Book-of-abstracts.pdf>

Teaduspreemia tehnikateaduste alal tööde tsükli "Mikro- ja nanotehnoloogiliste uurimismeetodite arendamine tööstuslike materjalide väljatöötamiseks" eest

Kübarsepp, Jakob; Lõhmus, Ants; **Hussainova, Irina;** Lõhmus, Rünno Eesti Vabariigi teaduspreemiad 2005 2005 / lk. 54-73 : ill., fot

Thermal, mechanical, and acoustic properties of polydimethylsiloxane filled with hollow glass microspheres

Vlassov, Sergei; **Oras, Sven;** Timusk, Martin; Zadin, Veronika; Tiirats, Tauno; Sosnin, Ilya M.; Lõhmus, Rünno; Linarts, Artis; Kyritsakis, Andreas; Dorogin, Leonid M. Materials 2022 / art. 1652 : ill <https://doi.org/10.3390/ma15051652> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transformations of gold nanocontacts studied by molecular dynamics simulations

Pokropivny, A.V.; Lõhmus, Rünno; Erts, D.; **Hussainova, Irina;** Olin, H.; Lõhmus, Ants Proceedings of International Conference on Nanotechnology NANOTECH 2004 : January 8-12, 2004, Boston, USA 2004 / p. ?

Tribological characteristics of nanostructured copper

Hussainova, Irina; Lõhmus, Rünno Book of abstracts : Nano Tribo Workshop : France, 2005 2005 / p. 34