

Alkoxide-based precursors for direct drawing of metal oxide micro- and nanofibres

Tätte, Tanel; **Hussainov, Medhat**; Paalo, Madis; Part, Marko; Talviste, Rasmus; Kiisk, Valter; Mändar, Hugo; Põhako, Kaija; Pehk, Tönis; Reivelt, Kaido; Natali, Marco; Gurauskis, Jonas; Lõhmus, Ants; Mäeorg, Uno Science and technology of advanced materials 2011 / [12] p.: ill

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/>

Development of a faster hot-stage for microscopy studies of polymer crystallization

Märtson, Triin; Ots, Ando; **Krumme, Andres**; Lõhmus, Ants Polymer testing 2010 / 1, p. 127-131 : ill

Elaboration of method for preparation of IVB group metal carbides nanocomposites

Umalas, Madis; Reed, Valter; Lõhmus, Ants; **Hussainova, Irina** Functional Materials & Nanotechnologies : Riga, 5-8 April 2011 2011 / [1] p

Elaboration of sol-gel derived TiC-CNTs composite

Hussainova, Irina; Umalas, Madis; Lõhmus, Ants; **Voltšihhin, Nikolai** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 116

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

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

Mida millestki teha saaks

Lõhmus, Ants; **Kübarsepp, Jakob** Jakob Kübarsepp : bibliograafia 2017 / lk. 52-63 http://www.estet.ee/record=b4664665*est

Mida millestki teha saaks : [ka TTÜ materjalitehnika instituudi uurimistöödest]

Lõhmus, Ants; **Kübarsepp, Jakob** Horisont 2005 / 6, lk. 10-15 : ill https://artiklid.elnet.ee/record=b2038782*est

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

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

Mixed interatomic potentials for simulation of nanofriction and interface phenomena in ceramics

Pokropivny, Vladimir; Lõhmus, Ants; **Hussainova, Irina** 15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 7-10 : ill

Nanoscale dissipation of radiation energy in solid target

Hussainova, Irina; Saal, K.; Lõhmus, Ants; Kink, I. Abstracts of 1st ESF Nanotribology Workshop : Turkey, 2003 2003 / p. 30

A novel route of synthesis of sodium hexafluorosilicate two component cluster crystals using BF₄- containing ionic liquids

Välbe, Raul; Mäeorg, Uno; Lõhmus, Ants; Reed, Valter; **Koel, Mihkel**; **Krumme, Andres**; Kessler, Vadim; Hoop, Andres; Romanov, Alexey Journal of crystal growth 2012 / p. 51-56 : ill <https://www.sciencedirect.com/science/article/pii/S0022024812006069>

Pinching of alkoxide jets - a route for preparing nanometre level sharp oxide fibres

Tätte, Tanel; Paalo, Madis; Kisand, V.; Reed, Valter; **Kartušinski, Aleksander**; Saal, K.; Mäeorg, U.; Lõhmus, Ants; Kink, I. Nanotechnology 2007 / 12, p. 125301 [5 p.] : ill

Structure and rheological behavior of alkoxide-based precursors for drawing of metal oxide micro- and nanofibres

Hussainov, Medhat; Tätte, Tanel; Paalo, Madis; Gurauskis, Jonas; Mändar, Hugo; Lõhmus, Ants Advanced materials research 2011 / p. 354-358 https://www.researchgate.net/publication/240305001_Structure_and_Rheological_Behavior_of_Alkoxide-Based_Precursors_for_Drawing_of_Metal_Oxide_Micro- and_Nanofibres

Synthesis of ZrC-TiC blend by novel combination of sol-gel method and carbothermal reduction

Umalas, Madis; Reed, Valter; Lõhmus, Ants; **Hussainova, Irina**; **Juhani, Kristjan** Engineering materials and tribology 2013 / p. 62-67

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

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. ?