

A sol-gel approach to self-formation of microtubular structures from metal alkoxide gel films

Järvekülg, Martin; **Kalda, Jaan** *Physica status solidi (a) : applications and materials science* 2012 / p. 2481-2486 : ill
<https://onlinelibrary.wiley.com/doi/abs/10.1002/pssa.201228371>

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, Tõnis; Reivelt, Kaido; Natali, Marco; Gurauskis, Jonas; Lõhmus, Ants; Mäeorg, Uno *Science and technology of advanced materials* 2011 / [12] p.: ill

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

Tätte, Tanel; **Hussainov, Medhat**; Gurauskis, Jonas; Mändar, Hugo; Kelp, Glen; Rand, R.; Paalo, Madis; Hanschmid, Kelli; **Hussainova, Irina** *Technical proceedings of the 2010 NSTI Nanotechnology Conference & Expo : Nanotech 2010. Vol.2, Nanotechnology 2010: Electronics, Devices, Fabrication, MEMS, Fluidics and Computational 2010* / p. 245-248 : ill
https://www.researchgate.net/publication/231121928_Alkoxide-based_precursors_for_direct_drawing_of_metal_oxide_micro-_and_nanofibres

Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor

Oluwabi, Abayomi Titilope; **Katerski, Atanas**; Carlos, Emanuel; Branquinho, Rita; **Mere, Arvo**; **Krunks, Malle**; Fortunato, Elvira; Pereira, Luis; **Oja Acik, Ilona** *Journal of materials chemistry C* 2020 / p. 3730-3739 : ill <https://doi.org/10.1039/C9TC05127A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical spray pyrolysis deposition of zinc sulfide thin films and zinc oxide nanostructured layers = Tsinksulfiidi õhukesed kiled ning tsinkoksiidi nanostruktuursed kihid keemilise pihustuspürolüüsi meetodil

Dedova, Tatjana 2007 <https://digi.lib.ttu.ee/?155> https://www.ester.ee/record=b2324660*est

CuInS₂ sprayed films on different metal oxide underlayers

Kijatkina, Olga; **Krunks, Malle**; **Mere, Arvo**; Mahrov, B.; Dloczik, L. *Thin solid films* 2003 / p. 105-109 : ill

Effect of solution spray rate on the properties of chemically sprayed ZnO:In thin films

Kriisa, Merike; **Krunks, Malle**; **Kärber, Erki**; **Kukk, Mart**; **Mikli, Valdek**; **Mere, Arvo** *Journal of nanomaterials* 2013 / p. 1-9 : ill
<https://doi.org/10.1155/2013/423632> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of ultrasonic treatment on the defect structure of the Si-SiO₂ system

Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Medvids, Arturs *Physica Status Solidi (C) Current Topics in Solid State Physics* 2016 / p. 793 - 797 <https://doi.org/10.1002/pssc.201600052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone

Buccolieri, Alessandro; Manno, D.; Serrano, Aida; Santino, A.; **Hasan, Mohammed**; **Borovkov, Victor**; Giancane, Gabriele *Sensors and actuators B : chemical* 2018 / p. 685-691 : ill <https://doi.org/10.1016/j.snb.2017.11.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-κ metal oxide thin film by chemical spray pyrolysis : from optimization of material properties to application in thin film transistor = Metalloksiidi õhukesed kiled keemilise pihustuspürolüüsi meetodil : materjali omaduste optimeerimine ja rakendamine õhukesekilelistes transistorides

Oluwabi, Abayomi Titilope 2020 <https://digikogu.taltech.ee/et/item/4b6d9afd-74d2-40ac-9c12-335d2f608474>
https://www.ester.ee/record=b5362429*est

Interaction of Chryso sporium merdarium with titanium oxide surface

Binkauskienė, Elena; Lugauskas, Albinas; **Krunks, Malle**; **Oja Acik, Ilona**; Jasulaitienė, Vitalija; Saduikis, Gintautas *Synthetic metals* 2010 / 9/10, p. 906-910 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0379677910000652>

Metal oxide nanoparticles could enter into the cells modified by surface charge and Ph

Titma, Tiina *The toxicologist : supplement of Toxicological sciences : 56th Annual Meeting and ToxExpo : Baltimore, Maryland, March 12-16, 2017* 2017 / p. 128 <https://www.toxicology.org/pubs/docs/Tox2017Tox.pdf>

Metal oxide nanoparticles embedded in rare-earth matrix for low temperature thermal imaging applications

Rauwel, Erwan; Galeckas, Augustinas; **Rauwel, Protima**; Hansen, P.-A.; Wragg, David; Nilsen, Ola; Fjellvag, H. *Materials research express* 2016 / p. 1-11 : ill <https://doi.org/10.1088/2053-1591/3/5/055010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metal sulfide thin films by chemical spray pyrolysis

Krunks, Malle; **Mellikov, Enn** *Abstracts of International Conference Advanced Optical Materials and Devices 2000* / p. 37

Metalloksüüdid sensibilaatoritena metüleensinise lahuse pleekimisel : [magistritöö]

Arro, Heinrich 1929 http://www.ester.ee/record=b3603311*est

Plant extract mediated synthesis of nanoparticles : chapter 14

Küüna, Siim; Rauwel, Protima; Rauwel, Erwan Emerging applications of nanoparticles and architecture nanostructures : current prospects and future trends 2018 / p. 411–446 <https://doi.org/10.1016/B978-0-323-51254-1.00014-2>

Reaction pathway in the WO₃-NiO-Mg-C system. DTATG study

Zakaryan, Marieta; Niazyan, O.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2019 / p. 223-232
<http://chemistry.asj-oa.am/id/eprint/7944>

Reduction mechanism of WO₃ + CuO mixture by combined Mg/C reducer : non-isothermal conditions - high heating rates

Aydinyan, Sofiya; Nazaretyan, Khachatur; Zargaryan, A.G.; Tumanyan, M.E.; Kharatyan, Suren Journal of thermal analysis and calorimetry 2018 / p. 261–269 : ill <https://doi.org/10.1007/s10973-018-6985-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sol-gel chemistry approach in the preparation of precursors for the substituted superconducting oxides

Pleckis, G.; **Tõnsuaadu, Kaia**; Baubonyte, T.; Kareiva, Aivaras Journal of non-crystalline solids 2002 / p. 250-258
<https://www.sciencedirect.com/science/article/abs/pii/S0022309302013777>

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](https://www.researchgate.net/publication/240305001_Structure_and_Rheological_Behavior_of_Alkoxide-Based_Precursors_for_Drawing_of_Metal_Oxide_Micro-_and_Nanofibres)

Study of ZnO:In, Zn(O,S) and Sb₂SI thin films deposited by aerosol methods = Aerosoolmeetoditel sadestatud ZnO:In, Zn(O,S) ja Sb₂SI õhukeste kilede uurimine

Kriisa, Merike 2017 <https://digi.lib.ttu.ee/i/7676> https://www.ester.ee/record=b4676437*est

Study of the curing mechanism of metal alkoxide liquid threads for the synthesis of metal oxide fibers or microtubes

Part, Marko; Hanschmidt, Kelli; Jõgi, Jakob; **Rauwel, Erwan**; Seisenbaeva, Gulaim A.; Kessler, Vadim G.; Tätte, Tanel RSC advances 2014 / p. 12545-1255 : ill <https://doi.org/10.1039/c3ra47924b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of surface charge and pH on the physiological behaviour of cobalt, copper, manganese, antimony, zinc and titanium oxide nanoparticles in vitro

Titma, Tiina Toxicology in vitro 2018 / p. 11-21 : ill <https://doi.org/10.1016/j.tiv.2018.02.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Toxicity of antimony, copper, cobalt, manganese, titanium and zinc oxide nanoparticles for the alveolar and intestinal epithelial barrier cells in vitro

Titma, Tiina; Shimmo, Ruth; Siigur, Jüri; Kahru, Anne Cytotechnology 2016 / p. 2363-2377 : ill <https://doi.org/10.1007/s10616-016-0032-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Toxicity of nine (doped) rare Earth metal oxides and respective individual metals to aquatic microorganisms *Vibrio fischeri* and *Tetrahymena thermophila*

Kurvet, Imbi; **Juganson, Katre**; Vija, Heiki; Sihtmäe, Mariliis; Blinova, Irina; Syvertsen-Wiig, Guttorm; Kahru, Anne Materials 2017 / art. 754, p. 1-18 : ill <https://doi.org/10.3390/ma10070754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Visualization of electrophoretically mediated in-capillary reactions using a complementary metal oxide semiconductor-based absorbance detector

Kulp, Maria; Urban, Pawel L.; **Kaljurand, Mihkel**; Bergström, Edmund T.; Goodall, David M. Analytica chimica acta 2006 / p. 1-7 : ill <https://www.sciencedirect.com/science/article/pii/S0003267006007665>

Об окислении низших углеводов кислородом окисей металлов

Raudsepp, Hugo; Mikkal, Maret-Elo Сборник статей по химии и химической технологии. 9 1962 / с. 109-116
https://www.ester.ee/record=b2181586*est <https://digikogu.taltech.ee/et/Item/d0996552-6e32-425c-a38e-d8f33ab8faf6>