

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

Aluminate-based nanostructured luminescent materials : design of processing and functional properties

Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Fernandez, Jose Francisco; **Hussainova, Irina** Materials 2021 / art. 4591 <https://doi.org/10.3390/ma14164591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aqueous and non-aqueous sol-gel synthesis routes for the preparation of calcium hydroxyapatite

Bogdanoviciene, Irma; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Kareiva, Aivaras Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 125

Calcium hydroxyapatite, Ca₁₀(PO₄)₆(OH)₂ ceramics prepared by aqueous sol-gel processing

Bogdanoviciene, Irma; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Glaser, Jochen; Meyer, H.-Jürgen; Kareiva, Aivaras Materials research bulletin 2006 / p. 1754-1762 <https://www.sciencedirect.com/science/article/pii/S0025540806000778>

Characterization of nanoporous TiO₂ films prepared by sol-gel method

Sabataityte, Julija; **Oja, Ilona**; Lenzmann, Frank; **Volobujeva, Olga**; **Krunks, Malle** Comptes rendus chimie 2006 / p. 708-712 : ill

Characterization of nanoporous TiO₂ films prepared by sol-gel method

Sabataityte, Julija; **Oja, Ilona**; Lenzmann, F.; **Volobujeva, Olga**; **Krunks, Malle** IPS 15 : 2004 : proceedings 2004 / ? p

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 porous TiO₂ thin films by sol-gel process

Oja, Ilona; **Sabataityte, Julija**; **Volobujeva, Olga**; **Krunks, Malle** The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 46

Elaboration of hard and optical oxide materials from the Ti, Zr and Hf alkoxides

Reedo, Valter; Järvekülg, Martin; Keevend, Kelli; Lange, Sven; **Kollo, Lauri** 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 15-16 : ill

Elaboration of sol-gel derived TiC-CNTs composite

Hussainova, Irina; Umallas, 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

Enhancing NIR emission in ZnAl₂O₄:Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity

Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Gorni, Giulio; Marini, Carlo; **Danilson, Mati**; Pascual, Laura; Ichikawa, Rodrigo Uchida; **Hussainova, Irina**; Fernandez, Jose Francisco Journal of materials chemistry C 2021 / p. 657-670 : ill <https://doi.org/10.1039/D0TC04752J> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Formation peculiarities of calcium hydroxyapatite Ca₁₀(PO₄)₆(OH)₂ during sol-gel processing [Electronic resource]

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; **Mikli, Valdek**; Grigoraviciute-Puroniene, Inga; Beganskiene, Aldona; Kareiva, Aivaras ECIS 2010 : 24th Conference of the European Colloid and Interface Society : September 5-10, Prague, Czech Republic 2010 / p. P.2.89 [CD-ROM]

Frequency conversion in lanthanide-doped sol-gel derived materials for energy applications

Almeida, Rui M.; Sousa, N.; **Rojas Hernandez, Rocio Estefania**; Santos, Luis F. Journal of Sol-Gel science and technology 2020 / p. 520-529 : ill <https://doi.org/10.1007/s10971-020-05289-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of gelation temperature on the properties of sol-gel-derived calcium hydroxyapatite ceramics

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; Kareiva, Aivaras Polish journal of chemistry 2009 / p. 47-55 : ill https://www.researchgate.net/publication/287549393_Influence_of_Gelation_Temperature_on_the_Properties_of_Sol-Gel-Derived_Calcium_Hydroxyapatite_Ceramics

Influence of heating conditions on the formation of sol-gel derived calcium hydroxyapatite

Bogdanoviciene, Irma; Beganskiene, Aldona; Kareiva, Aivaras; Juškėnas, Remigijus; Selskis, Algirdas; Ramanauskas, Rimantas; **Tõnsuaadu, Kaia**; **Mikli, Valdek** Chemija 2010 / 2/4, p. 98-105 : ill <http://mokslozurnalai.lmaleidykla.lt/publ/0235-7216/2010/2-4/98-105.pdf>

Nanocrystalline thin films by chemical methods

Krunks, Malle Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 5-6

Nanosize molybdenum carbide preparation by sol-gel combustion synthesis with subsequent fast heating

Kirakosyan, Hasmik; Nazaretyan, Khachatur; Kirakosyan, Khachatur; Tumanyan, M.E.; **Aydinyan, Sofiya**; Kharatyan, Suren
Chemical Journal of Armenia 2017 / p. 11-19 : ill <http://chemistry.asj-oa.am/id/eprint/7782>

On the sol-gel preparation of calcium hydroxyapatite (Ca₁₀(PO₄)₆(OH)₂,HA)

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; **Mikli, Valdek**; Grigoraviciute, I.; Beganskiene, Aldona; Kareiva, Aivaras 9th National Lithuanian Conference "Chemija 2009" : Vilnius, October 16, 2009 : abstracts 2009 / [1] p. : ill

Optical spectroscopy methods for the characterization of sol-gel materials

Marques, Ana C.; **Rojas Hernandez, Rocio Estefania**; Almeida, Rui M. Journal of Sol-Gel science and technology 2021 / 43 p. : ill
<https://doi.org/10.1007/s10971-021-05592-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

pH impact on the sol-gel preparation of calcium hydroxyapatite, Ca₁₀(PO₄)₆(OH)₂, using a novel complexing agent, DCTA

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; **Mikli, Valdek**; Grigoraviciute-Puroniene, Inga; Beganskiene, Aldona; Kareiva, Aivaras
Central European journal of chemistry 2010 / 6, p. 1323-1330 : ill <https://link.springer.com/article/10.2478/s11532-010-0113-0>

Role of A-site (Sr), B-site (Y), and A, B sites (Sr, Y) substitution in lead-free BaTiO₃ ceramic compounds : structural, optical, microstructure, mechanical, and thermal conductivity properties

Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; Kurovics, Emese; Belaid, Walid; **Hussainova, Irina**; **Kocserha, Istvan** Ceramics international 2023 / p. 1947-1959 <https://doi.org/10.1016/j.ceramint.2022.09.160> [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>

Sol-gel deposition of titanium dioxide films = Titaanoksiidi kiled sool-geeli meetodil

Oja Acik, Ilona 2007

Sol-gel derived optical and photonic materials

2021 <https://doi.org/10.1016/C2018-0-02962-X>

Sol-gel derived phosphors for optical applications : chapter 11

Rojas Hernandez, Rocio Estefania; Santos, Luis F.; Almeida, Rui M. Sol-gel derived optical and photonic materials 2020 / p. 253-270 : ill <https://doi.org/10.1016/B978-0-12-818019-8.00011-9>

Sol-gel derived single source precursors for rare-earth substituted superconducting oxides

Tõnsuaadu, Kaia; Baubonyte, T.; Beganskiene, Aldona; Jasaitis, D.; Kareiva, Aivaras Chemine technologija 2002 / 5, p. 12-16 : ill

Sol-gel preparation and characterization of yttrium gallium garnets

Leleckaite, Asta; Urbonaite, Sigita; **Tõnsuaadu, Kaia**; Kareiva, Aivaras The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 19

Sol-gel preparation of single-phase calcium hydroxyapatite

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; Beganskiene, Aldona; Kareiva, Aivaras Konferencijos Chemija ir chemine technologija. Sekcijos Neorganiniu junginiu chemija ir technologija : pranešimu medžiaga 2006 / p. 18-19 : ill

Sol-gel synthesis and characterization of gadolinium stabilized ceria thin films on the different substrates

Abakeviciene, Brigita; Žalga, Arturas; Tamulevicius, Sigitas; Pilipavicius, Jurgis; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Kareiva, Aivaras 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 10-11

Sol-Gel synthesis and characterization of Mg and Na subsituted calcium hydroxyapatite based bioceramic materials

Bogdanoviciene, Irma; Cepenka, Marina; **Traksmas, Rainer**; Kareiva, Aivaras; **Tõnsuaadu, Kaia** 26th Symposium and Annual Meeting of the International Society for Ceramics in Medicine (BIOCERAMICS 26) : final programme and abstracts book : Barcelona, 6/8 Vovember 2014 2014 / p. 176

Sol-gel synthesis and characterization of Sr, Zn and Na subsituted CaHA based bioceramic materials

Bogdanoviciene, Irma; **Traksmas, Rainer**; Kareiva, Aivaras; **Tõnsuaadu, Kaia** 16th International Conference-School Advanced Materials and Technologies 2014 : Augus 27-31, Palanga, Lithuania 2014 / p. 102

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

Umalas, Madis; Reedo, Valter; Lõhmus, Ants; **Hussainova, Irina; Juhani, Kristjan** Engineering materials and tribology 2013 / p. 62-67 https://www.researchgate.net/publication/265844548_Synthesis_of_ZrC-TiC_Blend_by_Novel_Combination_of_Sol-Gel_Method_and_Carbothermal_Reduction

Technique for experimental studying of elongational behavior of high reactivity viscoelastic liquids : application to alkoxide-based sol-gel precursors

Hussainov, Medhat; Tätte, Tanel; Kelp, Glen; Rand, Rait International Workshop on Dynamics in Viscous Liquids III : Accademia Nazionale dei Lincei, Rome, March 30 - April 2, 2011 : abstracts booklet 2011 / p. 126 : ill

Thermoanalytical study of acetylacetone modified titanium(IV)isopropoxide as a precursor for TiO₂ films

Krunks, Malle; Oja, Ilona; Tõnsuaadu, Kaia; Es-Souni, M.; Gruselle, M.; Niinistö, L. ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 276 <https://link.springer.com/article/10.1007/s10973-005-0681-y>

Thermoanalytical study of the YSZ precursors prepared by aqueous sol-gel synthesis route

Tõnsuaadu, Kaia; Zalga, Arturas; Beganskiene, Aldona; Kareiva, Aivaras 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 261 <https://link.springer.com/article/10.1007/s10973-011-2184-3>

Thermoanalytical study of the YSZ precursors prepared by aqueous sol-gel synthesis route

Tõnsuaadu, Kaia; Zalga, Arturas; Beganskiene, Aldona; Kareiva, Aivaras Journal of thermal analysis and calorimetry 2012 / p. 77-83 : ill https://www.researchgate.net/publication/257615627_Thermoanalytical_study_of_the_YSZ_precursors_prepared_by_aqueous_sol-gel_synthesis_route

TiO₂ õhukesed kiled sool-geel meetodil

Oja, Ilona; Es-Souni, M.; **Krunks, Malle** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 96

Titanium(IV) acetylacetonate xerogels for processing titania films : a thermoanalytical study

Oja Acik, Ilona; Madarasz, Janos; **Krunks, Malle; Tõnsuaadu, Kaia;** Pokol, György; Niinistö, L. Journal of thermal analysis and calorimetry 2009 / 1, p. 39-45 : ill https://www.researchgate.net/publication/243958213_TitaniumIV_acetylacetonate_xerogels_for_processing_titania_films_AAA_thermoanalytical_study

Titanium(IV) acetylacetonate xerogels for processing titania films : structure and thermal analysis [Electronic resource]

Oja Acik, Ilona; Madarasz, Janos; Heinamaa, Ivo; **Pehk, Tõnis; Tõnsuaadu, Kaia; Krunks, Malle;** Pokol, György; Niinistö, Lauri 14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry : September 14-18, 2008, Sao Pedro, Brazil 2008 / p. OP-C06 [CD-ROM] <https://link.springer.com/article/10.1007/s10973-008-9647-1>