

### **Additive effects on the solvent-mediated anhydrate/hydrate phase transformation in a mixed solvent**

Qu, Haiyan; Louhi-Kultanen, Marjatta; **Kallas, Juha** Crystal growth & design 2007 / 4, p. 724-729

<https://pubs.acs.org/doi/10.1021/cg060686s>

### **Atypical phase-change alloy Ga<sub>2</sub>Te<sub>3</sub> : atomic structure, incipient nanotectonic nuclei, multilevel writing**

Tverjanovich, Andrey; Khomenko, Maksym; Benmore, Chris; **Bereznev, Sergei**; Sokolov, Anton; Fontanari, Daniele; Kiselev, Aleksei; Lotin, Andrey; Bychkov, Eugene Journal of materials chemistry C 2021 / p. 17019-17032 <https://doi.org/10.1039/d1tc03850h> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Behaviour of the very-low-temperature crystallization peak of linear low-density polyethylene**

**Põltimäe, Triinu; Tarasova, Elvira; Krumme, Andres; Lehtinen, Arja; Viikna, Anti** Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 58-62 : ill

### **Bimodaalse polüetüleen kristallisatsioon : olemus ja uurimismeetodid**

**Krumme, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 66

### **Calcium carbonate crystallization on the basis of waste oil shale ash leachates**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** ISIC 18 : 18th International Symposium on Industrial Crystallization : 13-16 September 2011, Zurich, Switzerland : book of abstracts 2011 / p. 501 : ill

### **CFD simulation of particle size distribution in suspension crystallization**

Sha, Zuo-Liang; Yang, Guang-Yu; Louhi-Kultanen, Marjatta; **Kallas, Juha** ACFD 2000 Beijing : International Conference on Applied Computational Fluid Dynamics : October 17-20, 2000, Beijing, China : selected papers 2000 / p. 53-59 : ill

### **Changes in crystallisation kinetics of some high density polyethylenes due to pre-treatment and transcrystallisation of the materials**

**Krumme, Andres; Lehtinen, Arja** Europolymer Congress 2003 : Stockholm, Sweden, June 23-27, 2003 : book of abstracts 2003 / [1] p

### **Comparative ellipsometric and ion beam analytical studies on ion beam crystallized silicon implanted with Zn and Pb ions**

Lohner, Tivador; Angelov, Christo; **Mikli, Valdek** Thin solid films 2008 / 22, p. 8009-8012

<https://www.sciencedirect.com/science/article/pii/S0040609008003660>

### **Comparative study of SnS recrystallization in molten CdI<sub>2</sub>, SnCl<sub>2</sub> and KI**

**Timmo, Kristi; Kauk-Kuusik, Marit; Pilvet, Maris; Mikli, Valdek; Kärber, Erki; Raadik, Taavi; Leinemann, Inga; Altosaar, Mare; Raudoja, Jaan** Physica status solidi (c) 2016 / p. 8-12 : ill <https://doi.org/10.1002/pssc.201510082> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Correlation between the UV-reflectance spectra and the structure of poly-Si films obtained by aluminium induced crystallization**

Dimova-Malinovska, D.; Angelov, O.; Sendova-Vassileva, M.; **Mikli, Valdek** Journal of optoelectronics and advanced materials 2009 / 9, p. 1079-1085 [https://www.researchgate.net/publication/288122478\\_Correlation\\_between\\_the\\_UV-reflectance\\_spectra\\_and\\_the\\_structure\\_of\\_poly-Si\\_films\\_obtained\\_by\\_Aluminium\\_Induced\\_Crystallization](https://www.researchgate.net/publication/288122478_Correlation_between_the_UV-reflectance_spectra_and_the_structure_of_poly-Si_films_obtained_by_Aluminium_Induced_Crystallization)

### **Crystallisation behaviour of bimodal blends of high-density polyethylene**

**Krumme, Andres** COST P12 : Structuring of Polymers : first workshop : October 27-30, 2004, Bacoli - (Naples) - Italy : book of abstracts 2004 / p. 18

### **Crystallisation behaviour of high density polyethylene blends with bimodal molar mass distribution**

**Krumme, Andres** 2003 [https://www.ester.ee/record=b1066959\\*est](https://www.ester.ee/record=b1066959*est)

### **Crystallisation behaviour of high density polyethylene blends with biomodal molar mass distribution. 1, Basic characteristics and isothermal crystallisation**

**Krumme, Andres; Lehtinen, Arja; Viikna, Anti** European polymer journal 2004 / 2, p. 359-369 : ill

### **Crystallisation behaviour of high density polyethylene blends with biomodal molar mass distribution. 2, Non-isothermal crystallisation**

**Krumme, Andres; Lehtinen, Arja; Viikna, Anti** European polymer journal 2004 / 2, p. 371-378 : ill

### **Crystallization behavior of some unimodal and bimodal linear low-density polyethylenes at moderate and high supercooling**

**Krumme, Andres; Lehtinen, Arja; Adamovsky, Sergey; Schick, Christoph; Roots, Jaan; Viikna, Anti** Journal of polymer science. Part B, Polymer physics 2008 / p. 1577-1588 : ill <https://onlinelibrary.wiley.com/doi/full/10.1002/polb.21494>

**Crystallization kinetics of some high density polyethylene blends by modified hot-stage polarized light microscopy [Electronic resource]**

**Krumme, Andres;** Lehtinen, Arja PC2003 : Polymer Crystallization and Structure Formation in Processing - 20 Years of Fundamental and Applied Research in Linz : September 19-20 2003, Linz, Austria : program & abstracts 2003 / [7] p. : ill. [CD-ROM]

**Crystallization method for 2-methyl resorcinol separation**

Rjabtšun, Aleksandra; **Grigorjeva, Larissa** Innovaatilised lahendused ja säästvad tehnoloogiad : konverents 2010 2010 / p. 51 : ill

**Crystallization of calcium carbonate on the basis of oil shale waste ash in a continuous flow disintegrator-reactor**

**Velts, Olga; Kindsigo, Merit; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** ISIC 19 : 19th International Symposium on Industrial Crystallization : book of abstracts : 16-19 September 2014, Toulouse - France 2014 / p. 359-360 : ill

**Crystallization of glycine with ultrasound**

Louhi-Kultanen, Marjatta; Karjalainen, Milja; Rantanen, Jukka; Huhtanen, Mikko; **Kallas, Juha** International journal of pharmaceuticals 2006 / 1/2, p. 23-29 : ill

**Crystallization of multimodal polyethylene at high cooling rates by combined sals and ultrafast calorimetry methods**

**Krumme, Andres; Märtson, Triin** Baltic Polymer Symposium 2006 : September 20-22, 2006 : programme and proceedings 2006 / p. 12

**Crystallization of sugar solutions**

**Kikkas, Anna;** Kirs, Evelin; **Laos, Katrin; Paalme, Toomas** 7th International Conference of Food Physicist : Senta, [Serbia & Montenegro], 30th June - 1st July 2006 2006 / [1] p

**Crystallization of supersaturated saccharose in presence of glucose and fructose**

**Laos, Katrin; Kirs, Evelin; Annuste, Tiina; Kikkas, Anna; Menert, Anne; Paalme, Toomas** 2nd Baltic Conference on Food Science and Technology : FOODBALT-2007 : Kaunas, June 13-14 : conference program and abstracts 2007 / p. 26

**Crystallization of the supersaturated sucrose solutions in the presence of fructose, glucose and corn syrup [Electronic resource]**

**Laos, Katrin; Kirs, Evelin; Annuste, Tiina; Kikkas, Anna; Menert, Anne; Paalme, Toomas** ECCE-6 : European Congress of Chemical Engineering : Copenhagen (Denmark), 16-20 September 2007 2007 / ? p. [CD-ROM]

**Crystallization on supersaturated sucrose in the presence of fructose, glucose, corn syrup and lactose**

**Kirs, Evelin; Laos, Katrin; Kikkas, Anna; Paalme, Toomas** Food and nutrition = Toit ja toitumine 2007 / p. 40-50 : ill

**CuInSe<sub>2</sub> monograin growth in the liquid phase of potassium iodide**

**Timmo, Kristi; Altosaar, Mare; Kauk, Marit; Raudoja, Jaan; Mellikov, Enn** Thin solid films 2007 / 15, p. 5884-5886  
<https://www.sciencedirect.com/science/article/pii/S0040609006016385>

**Determination of operating conditions for controlled batch cooling crystallization**

Yang, Guangyu; Louhi-Kultanen, Marjatta; Sha, Zuoliang; **Kallas, Juha** Chemical engineering and technology 2006 / 2, p. 200-205 : ill  
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ceat.200500351>

**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

**Development of methodology and equipment for studying crystallization behaviour of novel PE materials at high supercooling**

**Märtson, Triin; Krumme, Andres** Baltic Polymer Symposium 2007 : Druskininkai, Lithuania, September 19-21, 2007 : programme and book of abstracts 2007 / p. 45

**Doping and defect thermodynamic equilibrium in ZnS**

**Lott, Kalju** 2000 [http://www.ester.ee/record=b1316491\\*est](http://www.ester.ee/record=b1316491*est)

**Effect of solvent treatment on crystallisation behaviour of high-density polyethylene**

**Krumme, Andres;** Lehtinen, Arja ISPAC-2004 : 17th International Symposium on Polymer Analysis and Characterization : 6-9 June 2004, Heidelberg, Germany 2004 / p. P38

**Electrocrystallization of CdSe from aqueous electrolytes : structural arrangement from thin films to self-assembled nanowires**

**Kois, Julia; Bereznev, Sergei; Volobujeva, Olga;** Gurevitš, Jelena; **Mellikov, Enn** Journal of crystal growth 2011 / p. 9-12 : ill

**Equipment for fast crystallisation process studies**

**Krumme, Andres** Nordiska Polymerdagarna 13-15 juni 2001 2001 / p. 173

#### **Formation and recrystallization of CuInS<sub>2</sub> films in spray pyrolytic process**

**Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Varema, Tiit** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 33

#### **Ga- and In-doping of ZnS**

**Lott, Kalju; Raukas, Maie;** Vishnjakov, A.; Grebennik, A. E-MRS - IUMRS 2000 Spring Meeting : European Materials Research Society 2000 Spring Meeting : May 30-June 2, 2000, Strasbourg (France) : final book of abstracts 2000 / p. P-7

#### **GeTe<sub>2</sub> phase change material for terahertz devices with reconfigurable functionalities using optical activation**

Konnikova, Maria R.; Khomenko, Maxim D.; Tverjanovich, Andrey S.; **Bereznev, Sergei**; Mankova, Anna A.; Parashchuk, Olga D.; Vasilevsky, Ivan S.; Ozheredov, Ilya A.; Shkurinov, Alexander P.; Bychkov, Eugene A. ACS applied materials & interfaces 2023 / p. 9638-9648 <https://doi.org/10.1021/acsami.2c21678> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Growth and recrystallization of CuInS<sub>2</sub> films in spray pyrolytic process**

**Krunks, Malle; Mikli, Valdek; Bijakina, Olga; Varema, Tiit; Mellikov, Enn** Ninth International Conference on Solid Films and Surfaces : ICSFS-9 : July 6th - 10th, 1998, Copenhagen, Denmark : final program & the book of abstracts 1998 / p. P1.CG.13 <https://ui.adsabs.harvard.edu/abs/1999ApSS..142..356K/abstract>

#### **Growth and recrystallization of CuInS<sub>2</sub> films in spray pyrolytic process**

**Krunks, Malle; Mikli, Valdek; Bijakina, Olga; Mellikov, Enn** Applied surface science 1999 / p. 356-361: ill

#### **Ice cream structure modification by ice-binding proteins**

**Kaleda, Aleksei; Tsenov, Robert; Klesment, Tiina; Vilu, Raivo; Laos, Katrin** Food Chemistry 2018 / p. 164-171 <https://doi.org/10.1016/j.foodchem.2017.10.152> [Journal at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Ice re-crystallization in 10% fat ice cream using ice structuring proteins type 1 from fish**

**Klesment, Tiina;** Kõrge, Kristi; Sannik, Urmas; **Laos, Katrin** Proceedings of the 2014 International Conference on Food Properties (ICFP2014) : Kuala Lumpur, Malaysia, January 24-26, 2014 2014

#### **Influence of cellulose content on thermal properties of poly(lactic) acid/cellulose and low-density polyethylene/cellulose composites**

**Šumigin, Dmitri; Tarasova, Elvira; Krumme, Andres; Viikna, Anti** 12th International Conference on Biocomposites : Transition to Green Materials : May 6-8, 2012, Niagara Falls, Ontario, Canada 2012 / p. 54 [https://www.researchgate.net/publication/267408407\\_Influence\\_of\\_cellulose\\_content\\_on\\_thermal\\_properties\\_of\\_poly\(lactic\)acidcellulose\\_and\\_low-density\\_polyethylenecellulose\\_composites](https://www.researchgate.net/publication/267408407_Influence_of_cellulose_content_on_thermal_properties_of_poly(lactic)acidcellulose_and_low-density_polyethylenecellulose_composites)

#### **Influence of differently formed interfacial aluminium oxide on the structural properties of poly-Si films prepared by aluminium induced crystallisation**

Dimova-Malinovska, D.; Nichev, H.; Angelov, O.; Sendova-Vassileva, M.; Sendova, M.; **Mikli, Valdek** Journal of optoelectronics and advanced materials 2007 / 2, p. 359-362

#### **Influence of molarmass, branching and catalyst type on the behavior of very low temperature crystallization in linear low-density polyethylenes**

**Poltimäe, Triinu; Tarasova, Elvira; Krumme, Andres; Viikna, Anti;** Lehtinen, Arja Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 34

#### **In-line monitoring of reactive crystallization process based on ATR-FTIR and Raman spectroscopy**

Alatalo, Hannu; Kohonen, Jarno; Qu, Haiyan; Hatakka, Henry; Reinikainen, Satu-Pia; Louhi-Kultanen, Marjatta; **Kallas, Juha** Journal of chemometrics 2008 / 11/12, p. 644-652 : ill <https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/cem.1161>

#### **Layered intrusions and traffic jams**

Bons, Paul D.; Baur, Albrecht; Elburg, Marlina A.; Lindhuber, Matthias J.; Marks, Michael A.W.; **Soesoo, Alvar;** Van Milligen, Boudewijn P.; Walte, Nicolas P. Geology 2015 / p. 71 - 74 <https://doi.org/10.1130/G36276.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Low temperature crystallization peak in Ziegler-Natta and single site based ethylene/α-olefin composites**

**Krumme, Andres;** Tarasova, Elvira; Poltimäe, Triinu; Lehtinen, Arja; **Viikna, Anti** 2nd International Conference on Polyolefin Characterization : Valencia (Spain), September 14-17, 2008 2008 / p. 85

#### **Measuring crystallization kinetics of high density polyethylene by improved hot-stage polarized light microscopy**

**Krumme, Andres** Polymer testing 2003 / 1, p. 29-34 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0142941803000588>

#### **Measuring crystallization kinetics of high density polyethylene by improved hot-stage polarized light microscopy**

**Krumme, Andres** Polymer testing 2004 / p. 29-34 : ill

#### **Mechanism of molten phase action of thermal recrystallization of powder materials**

**Mellikov, Enn; Hiie, Jaan; Tuvike, Tiit; Altosaar, Mare** Международная конференция Химия твердого тела. Т. 2 1990 / с. 154

**Mee kristalliseerumisest ja võideme valmistamisest**

**Kilk, Aleksander** Maaleht 1995 / 16. veebr., lk. 15; 23. veebr., lk. 19; 2. märts, lk. 15

**Methodology and equipment for optical studies of fast crystallizing polymers = Metoodika ja seade kiirelt kristalluvate polümeeride optilisteks uuringuteks**

**Märtson, Triin** 2010 [https://www.ester.ee/record=b2560827\\*est](https://www.ester.ee/record=b2560827*est)

**A model for the prediction of supersaturation level in batch cooling crystallization**

Yang, Guangyu; Louhi-Kultanen, Marjatta; Sha, Zuoliang; Kubota, Noriaki; **Kallas, Juha** Journal of chemical engineering of Japan 2006 / p. 426-436 : ill <https://research.aalto.fi/en/publications/a-model-for-the-prediction-of-supersaturation-level-in-batch-cool>

**Multicomponent diffusion in purification by cristallization**

Louhi-Kultanen, Marjatta; **Kallas, Juha**; Partanen, Juha; Palosaari, Seppo Proceedings of the 14th International Symposium on Industrial Crystallization : Cambridge, UK, September 12-16, 1999 1999 / [12] p

**Multiple role of fluxing agent in the recrystallization process**

**Hiie, Jaan; Altosaar, Mare; Mellikov, Enn** Abstracts of the 2nd WCEPSEC, 1998 1998 / 0,1 ap

**Multiple role of fluxing agent in the recrystallization process**

**Hiie, Jaan; Altosaar, Mare; Mellikov, Enn**; Meissner, Dieter; Brammer, T. 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, 6-10 July 1998 1998 / p. 732-734: ill

**Mõningate lineaarse polüetüleenide segude kristallisatsiooni kineetika mitte isotermilistes tingimustes**

**Krumme, Andres; Viikna, Anti** XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 59

**Novel combination of thermal analysis and SALS for investigation into crystallisation behaviour of polymers**

**Krumme, Andres** IXth Lahnwitzseminar on Calorimetry : Rostock-Warnemünde, 2006 2006 / [1] p

**Pilku püüdvad kristallid**

**Pirrus, Enn-Aavo** Eesti Loodus 2003 / 2/3, lk. 78-79 : ill [https://artiklid.elnet.ee/record=b1012060\\*est](https://artiklid.elnet.ee/record=b1012060*est)

**Preparation and properties of CdTe films on Mo/glass substrates**

**Valdna, Vello; Grossberg, Maarja; Hiie, Jaan; Kallavus, Urve; Mikli, Valdek; Traksmäa, Rainer; Viljus, Mart** Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M08-24

[https://www.researchgate.net/publication/231763435\\_Preparation\\_and\\_Properties\\_of\\_CdTe\\_Films\\_on\\_MoGlass\\_Substrates](https://www.researchgate.net/publication/231763435_Preparation_and_Properties_of_CdTe_Films_on_MoGlass_Substrates)

**Properties of glass filled polypropylene for fused filament fabrication**

Spörk, Martin; **Savandaiah, Chethan**; Arbeiter, Florian; Schuschnigg, Stephan; Holzer, Clemens SPE ANTEC 2017, Anaheim, California, USA, 8-10 May 2017 2017 / p. 105-111 : ill <https://www.proceedings.com/content/052/052413webtoc.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**RAMAN and ATR FTIR spectrometry in reactive crystallization : simultaneous monitoring of solute concentration and polymorphic state of crystals**

Qu, Haiyan; Alatalo, Hannu; Dai, Y.; Kohonen, Jarmo; Hatakka, Henry; Louhi-Kultanen, Marjatta; Reinikainen, Satu-Pia; **Kallas, Juha** Proceedings of 17th International Symposium of Industrial Crystallization : 665th Event of EFCE in combination of 8th Workshop of Crystal Growth of Organic Materials : ISIC 17 - CGOM 8 : Maastricht (The Netherlands), September 14-17. 2 2008 / p. 753-760

**Raman and ATR FTIR spectroscopy in reactive crystallization : simultaneous monitoring of solute concentration and polymorphic state of the crystals**

Qu, Haiyan; Alatalo, Hannu; Hatakka, Henry; Kohonen, Jarmo; Louhi-Kultanen, Marjatta; Reinikainen, Satu-Pia; **Kallas, Juha** Journal of crystal growth 2009 / 13, p. 3466-3475 : ill <https://www.sciencedirect.com/science/article/pii/S0022024809004527>

**Raman spectroscopy in API processing : pre-processing of Raman spectra and in-line monitoring of batch crystallization**

Qu, Haiyan; Kohonen, Jarmo; Reinikainen, Satu-Pia; Louhi-Kultanen, Marjatta; **Kallas, Juha** 10th Scandinavian Symposium on Chemometrics : 11-15 June, Lappeenranta, Finland 2007 / ? p

**Recrystallization of CdTe film under conditions of high temperature and mechanical pressure**

**Mikli, Valdek; Hiie, Jaan; Viljus, Mart; Nisumaa, Reet; Traksmäa, Rainer; Kallavus, Urve** Thin solid films 2008 / 20, p. 7041-7045 : ill

**Recrystallization of CdTe under conditions of high temperature and pressure**

**Mikli, Valdek; Hiie, Jaan** Nanostructured and advanced materials 2005 / p. 351-354

#### **Recrystallization of CIS powders in molten fluxes**

**Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Mädasson, Jaan** International Conf. on Ternary and Quaternary Compounds : book of abstracts 1995 / p. POI 50

#### **Recrystallization of powder materials**

**Mellikov, Enn; Hiie, Jaan** International Symposium Mat Tech '90 : abstracts 1990 / p. 51

#### **Recrystallization of powder materials in molten salts**

**Mellikov, Enn; Hiie, Jaan** Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 17-20

#### **Recrystallization of CIS powders in molten fluxes**

**Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Mädasson, Jaan** Crystal research and technology 1996 / p. 505-508: ill

#### **Research of crystallization process of honey**

**Kontram, K.; Martverk, Kaie; Laos, Katrin** Food and nutrition = Toit ja toitumine 2009 / p. 81-93 : ill

#### **Resortsinoolirea ühendite ekstraksioon ja kristallisatsioon = Extraction and crystallization of resorcinol derivatives**

**Tamvelius, Hindrek; Mölder, Leevi** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 199-200 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

#### **Simultaneous monitoring of crystal and mother liquor phases during batch crystallization using in-line Raman spectroscopy**

**Qu, Haiyan; Louhi-Kultanen, Marjatta; Kallas, Juha** 6th European Congress on Chemical Engineering (ECCE-6) : 16-21 September, Copenhagen 2007 / ? p [https://folk.ntnu.no/skoge/prost/proceedings/ecce6\\_sep07/cdrom/abstract/878/index.html](https://folk.ntnu.no/skoge/prost/proceedings/ecce6_sep07/cdrom/abstract/878/index.html)

#### **Solid phase and ion beam epitaxial crystallization of Si implanted with Zn and Pb ions**

**Angelov, Christo; Georgiev, S.; Amov, Blagoj; Mikli, Valdek; Lohner, Tivador** Journal of optoelectronics and advanced materials 2007 / 2, p. 311-314

[https://www.researchgate.net/publication/289467840\\_Solid\\_phase\\_and\\_ion\\_beam\\_epitaxial\\_crystallization\\_of\\_Si\\_implanted\\_with\\_Zn\\_and\\_Pb\\_ion\\_s](https://www.researchgate.net/publication/289467840_Solid_phase_and_ion_beam_epitaxial_crystallization_of_Si_implanted_with_Zn_and_Pb_ion_s)

#### **Spectroscopic monitoring of carbamazepine crystallization and phase transformation in ethanol-water solution**

**Qu, Haiyan; Kohonen, Jarmo; Louhi-Kultanen, Marjatta; Reinikainen, Satu-Pia; Kallas, Juha** Industrial & engineering chemistry 2008 / p. 6991-6998

#### **Strong and chemically inert sinter crystallised glass ceramics based on Estonian oil shale ash**

**Maragoni, Mauro; Ponsot, I.; Kuusik, Rein; keemik, Bernardo, E.** Advances in applied ceramics 2014 / p. 120-128 : ill

<https://doi.org/10.1179/1743676113Y.0000000132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Structure of a bacterial ice binding protein with two faces of interaction with ice**

**Mangiagalli, Marco; Sarusi, Guy; Kaleda, Aleksei; Bar Dolev, Maya** The FEBS journal 2018 / p. 1653-1666 : ill

<https://doi.org/10.1111/febs.14434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Study of tertiary crystallization process and morphology in LLDPE and HDPE**

**Poltimäe, Triinu; Tarasova, Elvira; Krumme, Andres; Lehtinen, Arja; Viikna, Anti** World Forum on Advanced Polymeric Materials : Synthesis, Properties, Characterisation : POLYCHAR 18 : April 7 - 10, 2010 in Siegen, Germany 2010 / p. P 19

#### **Study of very low temperature crystallization process in ethylene/[alpha]-olefin copolymers**

**Tarasova, Elvira; Poltimäe, Triinu; Krumme, Andres; Lehtinen, Arja; Viikna, Anti** Macromolecular symposia 2009 / p. 175-184 : ill

#### **Synthesis, vibrational spectra and X-ray structures of copper(I) thiourea complexes**

**Bombicz, Petra; Mutikainen, Ilpo; Krunk, Malle; Leskelä, Tuula; Madarasz, Janos; Niinistö, Lauri** Inorganica chimica acta 2004 / 2, p. 513-525 <https://www.sciencedirect.com/science/article/pii/S0020169303005152>

#### **Tallinna Tehnikaülikooli professor: praod täituvad valdavalt kaltsiumkarbonaadi kristallisatsiooni tõttu : [L.-M.Raado kommentaar artiklile "Iseparanev betoon - senisest vastupidavam ja turvalisem?"]**

**Raado, Lembi-Merike** Ehitaja 2009 / 7/8, lk. 69

#### **The crystallization behaviour of Estonian honeys**

**Laos, Katrin; Pall, Raili; Martverk, Kaie; Kirs, Evelin** Agronomy research 2011 / p. 427-432 : ill

#### **The effect of modality on linear low-density polyethylene crystallization behaviour at high and very high supercoolings**

**Märtson, Triin; Krumme, Andres; Gavrilkina, Veronika; Viikna, Anti** Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 53-57 : ill [https://artiklid.elnet.ee/record=b1452126\\*est](https://artiklid.elnet.ee/record=b1452126*est)

### **The influence of milk powders on the crystallization of sucrose-sugar alcohols solutions**

**Annuste, Tiina; Laos, Katrin; Kikkas, Anna; Menert, Anne; Paalme, Toomas** Food and nutrition = Toit ja toitumine 2007 / p. 51-59 : ill

### **The influence of some hydrocolloids and their blends on crystallization behaviour of ice cream**

**Klesment, Tiina; Stekolštšikova, Jelena; Laos, Katrin** 11th International Hydrocolloid Conference : Purdue University, USA, May 14-18, 2012 2012

### **Thermal analysis of crystallization behaviour of polyethylene copolymers and their blends = Polüetüleenide kopolümeeride ja nende segude kristallisatsioonikäitumise termiline analüüs**

**Poltimäe, Triinu** 2011 [https://www.ester.ee/record=b2714119\\*est](https://www.ester.ee/record=b2714119*est)

### **Triple crystallization behavior of fractionated ethylene/[alpha]-olefin copolymers of different catalyst type**

**Tarasova, Elvira; Poltimäe, Triinu; Krumme, Andres; Lehtinen, Arja; Viikna, Anti** Journal of polymer research 2010 / [10] p.: ill

### **Triple crystallization behavior of fractionated ethylene/α-olefin copolymers of different catalyst type**

**Tarasova, Elvira; Poltimäe, Triinu; Krumme, Andres; Lehtinen, Arja; Viikna, Anti** Journal of polymer research 2011 / p. 207-216 : ill

### **Triple crystallization behaviour of fractionated linear low density polyethylene**

**Tarasova, Elvira; Poltimäe, Triinu; Krumme, Andres; Lehtinen, Arja; Viikna, Anti** Baltic Polymer Symposium 2009 : Ventspils, Latvia, September 22-25, 2009 : programme and proceedings 2009 / p. 99

### **Using a titanium-in-quartz geothermometer for crystallization temperature estimation of the Palaeoproterozoic Suursaari quartz porphyry**

**Ehrlich, Kairi; Verš, Evelin; Kirs, Juho; Soesoo, Alvar** Estonian journal of earth sciences 2012 / p. 195-204 : ill  
[https://artiklid.elnet.ee/record=b2551734\\*est](https://artiklid.elnet.ee/record=b2551734*est)

### **Влияние кислорода на фотоэлектрические свойства сульфида кадмия в процессе высокотемпературной кристаллизации**

**Buzmakova, I.; Hiie, Jaan; Mellikov, Enn** XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 24 [https://www.ester.ee/record=b1379468\\*est](https://www.ester.ee/record=b1379468*est)

### **Влияние концентрации плавня на рекристаллизацию порошка сульфида кадмия**

**Mellikov, Enn; Teras, A.O.** I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 199 [https://www.ester.ee/record=b1309964\\*est](https://www.ester.ee/record=b1309964*est)

### **Влияние природы галогенидного плавня на механизм кристаллизации и морфологию кристаллов люминофоров на основе CdS и CdSe**

**Mellikov, Enn; Hiie, Jaan; Krunk, Malle; Varvas, Jüri** Тезисы XXIII Всесоюзной конференции по люминесценции 1976 / с. 200  
[https://www.ester.ee/record=b3798280\\*est](https://www.ester.ee/record=b3798280*est)

### **Влияние природы плавня на механизм кристаллизации и морфологию кристаллов люминофоров на основе CdS и CdSe**

**Mellikov, Enn; Hiie, Jaan; Krunk, Malle; Varvas, Jüri** Известия Академии наук СССР. Серия физическая 1976 / с. [2361]-2363 : ил [https://www.ester.ee/record=b2367543\\*est](https://www.ester.ee/record=b2367543*est)

### **Влияние разных факторов на эффективность разделения кристаллических органических систем методом зонной плавки**

**Aarna, Agu; Rätsep, Aavo** Сборник статей по химии и химической технологии. 11 1964 / с. 159-169 : илл  
[https://www.ester.ee/record=b2181984\\*est](https://www.ester.ee/record=b2181984*est) <https://digikogu.taltech.ee/et/Item/958b7e78-6cf4-425c-b75d-b028262eada8>

### **Дезоксидация и рекристаллизация "люминофорного" CdS при его прокаливании в H<sub>2</sub> и H<sub>2</sub>S**

**Veel, Ene; Krunk, Malle; Hiie, Jaan; Mellikov, Enn; Törn, Leo** Полупроводниковые материалы. 3 1976 / с. 133-138 : илл  
[https://www.ester.ee/record=b1403374\\*est](https://www.ester.ee/record=b1403374*est) <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

### **Изучение процессов кристаллизации в сланцезольных расплавах для получения строительных материалов**

**Rožnova, Ireen** 1968 [http://www.ester.ee/record=b2237562\\*est](http://www.ester.ee/record=b2237562*est)

### **Изучение процессов кристаллизации в сланцезольных расплавах для получения строительных материалов : автореферат ... кандидата технических наук (484)**

**Rožnova, Ireen** 1969 [http://www.ester.ee/record=b1357844\\*est](http://www.ester.ee/record=b1357844*est)

### **Изучение рекристаллизации порошков халькогенидов кадмия**

**Hiie, Jaan; Mellikov, Enn; Krunk, Malle** Второе всесоюзное совещание по химии твердого тела, 11-13 мая 1978 г. : тезисы

докладов : [в 2-х частях] 1978 / с. 57 [https://www.ester.ee/record=b4433699\\*est](https://www.ester.ee/record=b4433699*est)

**Исследование взаимодействия хлоридного плавня с сульфидом кадмия**

**Koit, E.; Hiie, Jaan; Mellikov, Enn** XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 27 [https://www.ester.ee/record=b1379468\\*est](https://www.ester.ee/record=b1379468*est)

**Исследование процессов изотермической рекристаллизации сульфида кадмия в присутствии галогенидов кадмия : автореферат ... кандидата химических наук**

**Hiie, Jaan** 1979 [https://www.ester.ee/record=b1563221\\*est](https://www.ester.ee/record=b1563221*est)

**Кристаллизация алкилрезорцинов из смешанных органических и водоорганических растворителей**

**Zabellevitš, Igor; Mölder, Leevi** Oil Shale = Горючие Сланцы 1984 / с. 420-425 : табл [https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)

**Механизм рекристаллизации порошка CdS в полисульфидных плавнях**

**Mellikov, Enn** Полупроводниковые материалы. 3 1976 / с. 53-62 : илл [https://www.ester.ee/record=b1403374\\*est](https://www.ester.ee/record=b1403374*est)  
<https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

**Некоторые закономерности кристаллизации алкилрезорцинов**

**Zabellevitš, Igor; Mölder, Leevi** Свойства растворов кислород- и хлорсодержащих органических соединений 1985 / с. 11-22

**О кристаллизации алкилрезорцинов**

**Zabellevitš, Igor** 5-я республиканская конференция молодых ученых-химиков : [тезисы докладов] 1983 / с. 220-221  
[https://www.ester.ee/record=b1312297\\*est](https://www.ester.ee/record=b1312297*est)

**О кристаллизации смесей алкилрезорцинов**

**Zabellevitš, Igor; Mölder, Leevi, juhendaja** Свойства растворов кислородсодержащих органических соединений. 3 1983 / с. 59-64 [https://www.ester.ee/record=b1294629\\*est](https://www.ester.ee/record=b1294629*est) <https://digikogu.taltech.ee/et/Item/ee07edc5-99ca-4dfb-a435-26131930c792>

**О кристаллизации смесей алкилрезорцинов из смешанных растворителей**

**Zabellevitš, Igor; Tjurin, V.P.; Mölder, Leevi, juhendaja** Свойства растворов кислородсодержащих органических соединений. 3 1983 / с. 65-71 [https://www.ester.ee/record=b1294629\\*est](https://www.ester.ee/record=b1294629*est) <https://digikogu.taltech.ee/et/Item/ee07edc5-99ca-4dfb-a435-26131930c792>

**О кристаллизация алкилрезорцинов**

**Zabellevitš, Igor** 5-я республиканская конференция молодых ученых-химиков : [тезисы докладов] 1983 / с. 220-221  
[https://www.ester.ee/record=b1312297\\*est](https://www.ester.ee/record=b1312297*est)

**Особенности процессов развития кристаллизационной структуры гидросиликатов кальция при твердении известкового-кремнезелистых автоклавных материалов**

**Butt, Juri; Grüner, Georg-Richard; Schmidt, Ludvig** Сборник трудов (НИПИ силикатобетон), 3 1968 / с. 14-17 Kokkuvõtte eesti, vene ja saksa keeles [https://www.ester.ee/record=b1764431\\*est](https://www.ester.ee/record=b1764431*est)

**Особенности процессов развития кристаллизационной структуры гидросиликатов кальция при твердении известково-кремнеземистых автоклавных материалов**

**Grüner, Georg-Richard; Butt, Juri; Schmidt, Ludvig; Larionova, Z. M.; Volhov, S. S.; Garašin, V. R.** Сборник трудов (НИПИ силикатобетон), 3 1968 / с. 14-16 : илл. [https://www.ester.ee/record=b1764431\\*est](https://www.ester.ee/record=b1764431*est)

**Получение чистого бензола методом кристаллизации**

**Siirde, Enno; Raukas, Maie** Сборник статей по химии и технологии горючего сланца. 6 1959 / с. 130-139 : илл  
[https://www.ester.ee/record=b2181310\\*est](https://www.ester.ee/record=b2181310*est) <https://digikogu.taltech.ee/et/Item/ef38b871-c02c-47ab-a7c6-0b764036fa60>

**Рекристаллизация порошка сульфида кадмия**

**Mellikov, Enn; Hiie, Jaan** Влияние нестехиометрии на свойства соединений переходных металлов : сборник научных трудов 1986 / с. 71-80 [https://www.ester.ee/record=b3789078\\*est](https://www.ester.ee/record=b3789078*est)

**Рекристаллизация порошка сульфида кадмия, активированная расплавленными растворителями**

**Mellikov, Enn; Hiie, Jaan** Журнал неорганической химии 1981 / с. 2304-2309 : ил [https://www.ester.ee/record=b1443384\\*est](https://www.ester.ee/record=b1443384*est)

**Рекристаллизация порошков сульфида кадмия**

**Mellikov, Enn; Hiie, Jaan; Krunks, Malle; Iljina, Natalja** Всесоюзное совещание "Реальная структура неорганических жаростойких и жаропрочных материалов, 9-12 октября" [Текст] : Тезисы докладов 1979 / с. [?]

**Рекристаллизация порошков халькогенидов кадмия в присутствии плавня**

**Küla, H.; Urb, G.; Sikemäe, P.; Teras, A.; Mellikov, Enn** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 353  
[https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

**Технология металлов и других конструкционных материалов : методическое пособие для студентов специальности 1709 (ТМ)**

1981 [https://www.ester.ee/record=b1314248\\*est](https://www.ester.ee/record=b1314248*est)

**Физико-химические аспекты изотермической рекристаллизации сульфида кадмия в присутствии плавней галогенидов кадмия**

**Hiie, Jaan** Второе всесоюзное совещание по химии твердого тела, 11-13 мая 1978 г. : тезисы докладов : [в 2-х частях] 1978 / с. 58 [https://www.ester.ee/record=b4433699\\*est](https://www.ester.ee/record=b4433699*est)

**Фракционированная кристаллизация бинарных смесей двухосновных алифатических карбоновых кислот с мочевиной из водного раствора**

**Aarna, Agu; Kann, Jüri** Сборник статей по химии и химической технологии. 15 1966 / с. 117-127 : илл

[https://www.ester.ee/record=b2182115\\*est](https://www.ester.ee/record=b2182115*est) <https://digikogu.taltech.ee/et/Item/55575f8e-02db-404e-8bef-28e158aa260b>

**Фракционированная кристаллизация двухосновных карбоксильных кислот в водной среде с мочевиной**

**Aarna, Agu; Kann, Jüri** XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 92-93 [https://www.ester.ee/record=b1359832\\*est](https://www.ester.ee/record=b1359832*est)

**Экспериментальная проверка модели кристаллизации сланцевых алкилрезорцинов**

**Забеллевич И.В.; Mölder, Leevi; Tamvelius, Hindrek** Горючие сланцы 1990 / 2, с. 139-147: ил