

Alkoholide iseassotsiatsiooniskeemi arvutamisest

Demkina, M.; Vatiska, G.; Viikna, Anti XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 93 https://www.ester.ee/record=b2449987*est

Amino acid-functionalized calix[4]resorcinarene solubilization by mono- and dicationic surfactants

Zakharova, Lucia Ya.; Serdyuk, Anna A.; Mirgorodskaya, Alla B.; **Karpichev, Yevgen** Journal of surfactants and detergents 2016 / p. 493-499 : ill <https://doi.org/10.1007/s11743-016-1792-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of TG-DTG, FTIR and ICP-AES techniques for analysis of historical mortars

Paama, L.; Pitkänen, I.; Rönkkömäki, H.; Perämäki, P.; Ilomets, Tullio 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 104

Application of the peak fitting program "Galactic" for FTIR analysis of OH- ions in apatite

Knubovets, Rena; **Veiderma, Mihkel; Tõnsuaadu, Kaia** Proceedings of the Estonian Academy of Sciences. Chemistry 1998 / 4, p. 163-174

Application of undefined mixture correlations and FTIR-PLS method to predict thermodynamic properties of hydroxyl group rich Kukersite oil shale derived "synthetic oils"

Baird, Zachariah Steven; Järvik, Oliver; Oja, Vahur X Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design : June 28-July 1, 2015, Alicante (Spain) : book of abstracts 2015 / [2] p

13C- and 15N-labeling of amyloid-β and inhibitory peptides to study their interaction via nanoscale infrared spectroscopy

Paul, Suman; Jenišťová, Adéla; Vosough, Faraz; **Berntsson, Elina**; Mörmann, Cecilia; Jarvet, Jüri; Gräslund, Astrid; Wärmländer, Sebastian K.T.S.; Barth, Andreas Communications Chemistry 2023 / art. 163 <https://doi.org/10.1038/s42004-023-00955-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization and changes in the thermal behavior of the phosphorite sample from Toolse deposit (Estonia) along the drill-core

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Kallaste, Toivo; Graul, Sophie; Hints, Rutt; Kivimäe, Eliise-Koidula; Petkova, Vilma; Triikkel, Andres Journal of thermal analysis and calorimetry 2024 / p. 12651 - 12664 <https://doi.org/10.1007/s10973-024-13655-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites

Umalas, Madis; **Hussainova, Irina**; Reedo, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill <https://doi.org/10.1016/j.matchemphys.2015.01.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The composition of kukersite shale oil

Baird, Zachariah Steven; Oja, Vahur; Järvik, Oliver Oil shale 2023 / p. 25-43 : ill <https://doi.org/10.3176/oil.2023.1.02> https://artiklid.elnet.ee/record=b2903562*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of phenol/formaldehyde molar ratio of resol resins by infrared spectroscopy

Erä, V.; Salo, E.; **Kaps, Tiit**; Lindberg, J. Die angewandte makromolekulare Chemie = Applied macromolecular chemistry and physics 1975 / s. 185-187

Distribution of hydroxyl groups in kukersite shale oil : quantitative determination using Fourier transform infrared (FT-IR) spectroscopy

Baird, Zachariah Steven; Oja, Vahur; Järvik, Oliver Applied spectroscopy 2015 / p. 555-562 <https://doi.org/10.1366/14-07705> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High fraction of penta-coordinated aluminum and gallium in lanthanum–aluminum–gallium borates

Turcu, Romulus Valeriu Flaviu; **Samoson, Ago**; Maier, Maria; Trandafir, Diana Louisa; Simon, Simion Journal of the American Ceramic Society 2016 / p. 2795 - 2800 <https://doi.org/10.1111/jace.14265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of the para-substituent of benzene diazonium salts and the solvent on the film growth during electrochemical reduction

Zhang, Xin; Rösicke, Felix; **Sõritski, Vitali; Reut, Jekaterina** Zeitschrift für Physikalische Chemie 2014 / p. 557-573 <https://doi.org/10.1515/zpch-2014-0450> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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** 10th Scandinavian Symposium on Chemometrics : 11-15 June, Lappeenranta, Finland 2007 / ? p https://www.academia.edu/16648175/In_line_monitoring_of_reactive_crystallization_process_based_on_ATR_FTIR_and_Raman_spectroscopy

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

Alatalo, Hannu; Kohonen, Jarmo; 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>

Microstructure study of birch false heartwood

Bankole, Olabode Samuel; Rohumaa, Anti; **Kers, Jaan** Proceedings of the 12th Meeting of the Northern European Network for Wood Science and Engineering (WSE) : Wood Science and Engineering - a Key Factor on the Transition to Bioeconomy : September 12-13, 2016, Riga, Latvia 2016 / p. 117-123 : ill <http://www.kki.lv/dokumenti/WSE2016.pdf>

Monitoring of the evolved gases by FTIR spectroscopy in apatite-ammonium sulfate thermal reactions

Tõnsuaadu, Kaia; Pelt, Jaan; **Borissova, Maria** 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. 357

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](#)

Oxygen isotope studies of the largest West Siberian mammoth sites and implications for last glacial maximum climate reconstruction

Krivokorin, Ivan; **Amon, Leeli**; Leshchinskiy, Sergey V.; Arppe, Laura Quaternary science reviews 2024 / art. 108938, 13 p. : ill <https://doi.org/10.1016/j.quascirev.2024.108938> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predicting fuel properties using chemometrics : a review and an extension to temperature dependent physical properties by using infrared spectroscopy to predict density

Baird, Zachariah Steven; **Oja, Vahur** Chemometrics and intelligent laboratory systems 2016 / p. 41-47 : ill <https://doi.org/10.1016/j.chemolab.2016.08.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Squeezing formaldehyde into C60 fullerene

Vyas, Vijesh K.; Bacanu, George Razvan; Soundararajan, Murari; Marsden, Elizabeth S.; **Jafari, Tanzeeha**; Shugai, Anna; Light, Mark E.; Nagel, Urmas; Rööm, Toomas; Levitt, Malcolm H.; Whitby, Richard J. Nature Communications 2024 / art. 2515 <https://doi.org/10.1038/s41467-024-46886-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Terahertz spectroscopy of low-dimensional spin systems = Madalamõõduliste spinnsüsteemide terahertsspektroskoopia **Hüvonen, Dan** 2008 https://www.ester.ee/record=b2375139*est

TG-DTG, FTIR ja ICP-AES tehnikate kasutamine ajalooliste mörtide analüüsil

Paama, L.; Pitkänen, I.; Rönkkömäki, H.; Perämäki, P.; Ilomets, T. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 95

TG-FTIR/MS analysis of thermal and kinetic characteristics of some coal samples

Kaljuvee, Tiit; **Keelman, Merli**; **Triikkel, Andres**; Petkova, Vilma ICTAC 15 - 15th International Congress on Thermal Analysis and Calorimetry : August 20-24, 2012, Osaka 2012 https://www.researchgate.net/publication/257616213_TG-FTIRMS_analysis_of_thermal_and_kinetic_characteristics_of_some_coal_samples

The influence of lime-containing additives on the thermal behaviour of ammonium nitrate

Kaljuvee, Tiit; **Edro, Evelin**; **Kuusik, Rein**, **keemik** Book of abstracts : MEDICTA 2007 : the 8th Mediterranean Conference on Calorimetry and Thermal Analysis : September 25th - September 29th, 2007, Palermo, Italy 2007 / p. 210 <https://link.springer.com/content/pdf/10.1007/s10973-007-8769-1.pdf>

The study of magnetoelectric effect in multiferroics using THz spectroscopy = Magnetelektrilise nähtuse uurimine multiferrooidides THz spektroskoopiaga

Viirik, Johan 2020 <https://digikogu.taltech.ee/et/Item/6742e380-e1c5-4f1e-ae2a-8623a8261393>

Thermal behaviour of Estonian phosphorites from different deposits

Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; **Traksmäa, Rainer**; **Einard, Marve**; Jefimova, Jekaterina; Petkova, Vilma 2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 134-135 <https://itac->

Thermal behaviour of Estonian phosphorites from different deposits

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmäa, Rainer; Einard, Marve; Jefimova, Jekaterina; Petkova, Vilma Journal of thermal analysis and calorimetry 2020 / p. 437-449 <https://doi.org/10.1007/s10973-019-09056-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal behaviour of precursors for CuInS₂ thin films deposited by spray pyrolysis

Oja Acik, Ilona; Otto, Kairi; Krunk, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2013 / p. 1455-1465 : ill <https://doi.org/10.1007/s10973-013-3155-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermoanalytical studies of titanium(IV) acetyl-acetonate xerogels with emphasis on evolved gas analysis

Oja Acik, Ilona; Madarasz, Janos; **Krunk, Malle; Tõnsuaadu, Kaia;** Janke, D.; Pokol, György; Niinistö, L. Journal of thermal analysis and calorimetry 2007 / p. 557-563 : ill <https://link.springer.com/content/pdf/10.1007/s10973-006-8064-6.pdf>

Изучение влияния электрического поля на фторсодержащие диэлектрики методом ИК-спектроскопии

Sapir, G.; Rajuste, O.; **Kallast, Vambola** 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. 38 https://www.ester.ee/record=b1379468*est

Исследование взаимодействия фенолов с кетонами методом инфракрасной спектроскопии

Mölder, Leevi; Alev, Milvi Сборник статей по химии и химической технологии. 10 1964 / с. 75-81 : илл https://www.ester.ee/record=b2181961*est <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>

Исследование водородных связей в кристаллических молекулярных комплексах ε-капролактама - двухатомные фенолы 2 : 1 методом ИК-спектроскопии

Oja, Holger Синтез и применение поликонденсационных клеев. 2 1978 / с. 101-116 : илл https://www.ester.ee/record=b2191006*est <https://digikogu.taltech.ee/et/Item/b615a4dd-bb4c-4a80-888a-b13d1a4c52d3>

Исследование низкотемпературного разложения сланца-кукерсита методом инфракрасной спектроскопии

Aarna, Agu; Alev, Milvi Сборник статей по химии и химической технологии. 10 1964 / с. 3-14 : илл https://www.ester.ee/record=b2181961*est <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>

Исследование состава фосфогипса и фосфоизвести методами ИК спектроскопии и рентгенографии

Kuusik, Rein, keemik; Viisimaa, Ludmilla; Kuusk, Anu Журнал прикладной химии 1982 / с. 1723-1728 : рис., табл https://www.ester.ee/record=b1182398*est

Исследование структуры некоторых фенолформальдегидных смол методами ИК-спектроскопии и ЯМР¹³C

Lippmaa, Helle; Pehk, Tõnis; **Kiisler, Karl; Christjanson, Peep** Республиканская научная конференция "Фенолформальдегидные смолы и клеи на их основе" : тезисы докладов 1974 / с. 30-32 https://www.ester.ee/record=b1310514*est

Исследование фосфатного вещества оболочек фосфоритов методом инфракрасной спектроскопии

Veiderma, Mihkel; Knubovets, Rena Eesti NSV Teaduste Akadeemia toimetised. Keemia. Geoloogia = Известия Академии наук Эстонской ССР. Химия. Геология 1972 / с. 57-61 : илл https://www.ester.ee/record=b1264554*est <https://www.etera.ee/zoom/19146/view?page=59&p=separate&tool=info&view=0.0.2361.3869>

О некоторых характерных чертах пиритов по данным спектрального анализа и инфракрасной спектроскопии

Palmre, Hendrik; Hödrejärvi, Helvi Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1978 / с. 200-203 https://www.ester.ee/record=b1264984*est <https://www.etera.ee/zoom/16180/view?page=1&p=separate&tool=info>

Определение структуры моноалкилрезорцинов методом инфракрасной спектроскопии

Lille, Ülo; Peinar, U.; Bitter, L. Технология органических веществ. 4 1971 / с. 103-113 : илл https://www.ester.ee/record=b1426989*est <https://digikogu.taltech.ee/et/Item/6cf05bc0-20ed-4094-8c16-49aab62a9010>

Самоассоциация алифатических спиртов в CCl₄

Viikna, Anti I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 114-115 https://www.ester.ee/record=b1309964*est