

**Cyclohexanohemicucurbit[8]uril inclusion complexes with heterocycles and selective extraction of sulfur compounds from water**

Shalima, Tatsiana; Mishra, Kamini Atindrakumar; Kaabel, Sandra; Ustrnol, Lukas; Bartkova, Simona; Tõnsuaadu, Kaia; Heinmaa, Ivo; Aav, Riina *Frontiers in chemistry* 2021 / art. 786746, 8 p. : ill <https://doi.org/10.3389/fchem.2021.786746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ferromagnetism in rare earth doped cerium oxide bulk samples**

Chandra Dimri, Mukesh; Khanduri, Himani; Kooskora, Helgi; Subbi, Juhan; Heinmaa, Ivo; Mere, Arvo; Krustok, Jüri; Stern, Raivo *Physica status solidi (a)* 2012 / p. 353-358 : ill <https://onlinelibrary.wiley.com/doi/full/10.1002/pssa.201127403> <https://onlinelibrary.wiley.com/doi/full/10.1002/pssa.201127403>

**Impact of short-term heat treatment on the structure and functional properties of commercial furcellaran compared to commercial carrageenans**

Eha, Kairit; Pehk, Tõnis; Heinmaa, Ivo; Kaleda, Aleksei; Laos, Katrin *Heliyon* 2021 / art. e06640 <https://doi.org/10.1016/j.heliyon.2021.e06640> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

Kropman, Daniel; Kärner, Tiit; Dolgov, Sergei; Heinmaa, Ivo; Laas, Tõnu; Londos, C. A. *The 9th International Conference on Global Research and Education* : August 9-12, 2010, Riga : digest 2010 / p. 231-233 <https://www.sciencedirect.com/science/article/abs/pii/S0040609009014564>

**Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

Kropman, Daniel; Mellikov, Enn; Kärner, Tiit; Heinmaa, Ivo; Laas, Tõnu; Londos, Charalampos; Misiuk, Andrzej *Solid state phenomena* 2011 / p. 263-266 <https://www.sciencedirect.com/science/article/pii/S0040609009014564>

**Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

Kropman, Daniel; Kärner, Tiit; Dolgov, Sergei; Heinmaa, Ivo; Laas, Tõnu; Londos, Charalampos *Physica status solidi (c)* 2011 / p. 694-696 : ill <https://www.sciencedirect.com/science/article/pii/S0040609009014564>

**Magnetic and dielectric studies of multiferroic Y – type hexaferrites**

Khanduri, Himani; Chandra Dimri, Mukesh; Kooskora, Helgi; Heinmaa, Ivo; Viola, G.; Ning, H.; Reece, M.; Krustok, Jüri; Stern, Raivo *4th WUN International Conference on Spintronics (WUN-SPIN 2012)* : 23–25 July 2012, Sydney, Australia 2012

**Mechanosynthesis of a bifunctional FeNi-N-C oxygen electrocatalyst via facile mixed-phase templating and preheating-pyrolysis**

Kosimov, Akmal; Yusibova, Gulnara; Wojsiat, Ivan Tito; Aruväli, Jaan; Käär, Maik; Leis, Jaan; Paaver, Peeter; Vlassov, Sergei; Kikas, Arvo; Kisand, Vambola; Piirsoo, Helle-Mai; Kukli, Kaupo; Heinmaa, Ivo; Kaljuvee, Tiit; Kongi, Nadezda *Journal of Materials Chemistry A* 2023 / p. 335 - 342 <https://doi.org/10.1039/d3ta04580c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nanodiamond mediated delivery of pyridinium oxime antidotes to central nervous system for potential treatment of exposure to nerve agents**

Bondar, Denys; Smirnova, Olga; Nagappa, Nandish M.; Heinmaa, Ivo; Soukup, Ondrej; Kobrlova, Tereza; Opravil, Jakub; Hrabínová, Martina; Jun, Daniel; Starkov, Pavel *Chemico-Biological Interactions* 2025 / art. 111711 <https://doi.org/10.1016/j.cbi.2025.111711> <https://www.sciencedirect.com/science/article/abs/pii/S0009279725003412>

**Oxime-functionalized nanodiamonds as a platform for treatment of organophosphate poisoning**

Karpichev, Yevgen; Bondar, Denys; Starkov, Pavel; Heinmaa, Ivo *Artificial Intelligence for Material Design, Processing and Characterizations* November 21 - November 30, 2020 : SYMPOSIUM S.CT01 : abstract book 2020 / S.NM01.10.06, p. 658 [Meeting abstracts](#)

**Room temperature ferromagnetism in Ca and Mg stabilized cubic zirconia bulk samples and their thin films**

Chandra Dimri, Mukesh; Khanduri, Himani; Kooskora, Helgi; Kodu, Margus; Jaaniso, Raivo; Heinmaa, Ivo; Mere, Arvo; Krustok, Jüri; Stern, Raivo *4th WUN International Conference on Spintronics (WUN-SPIN 2012)* : 23–25 July 2012, Sydney, Australia 2012 <https://iopscience.iop.org/article/10.1088/0022-3727/45/47/475003>

**Room-temperature ferromagnetism in Ca and Mg stabilized cubic zirconia bulk samples and thin films prepared by pulsed laser deposition**

Chandra Dimri, Mukesh; Khanduri, Himani; Kooskora, Helgi; Kodu, Margus; Jaaniso, Raivo; Heinmaa, Ivo; Mere, Arvo; Krustok, Jüri; Stern, Raivo *Journal of physics D : applied physics* 2012 / p. 475003-1 - 475003-7 : ill <https://iopscience.iop.org/article/10.1088/0022-3727/45/47/475003>

**Stress relaxation mechanism by strain in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

Kropman, Daniel; Seeman, Viktor; Dolgov, Sergei; Heinmaa, Ivo; Medvid, Artur *Physica Status Solidi (C) Current Topics in Solid State Physics* 2016 / p. 790 - 792 <https://doi.org/10.1002/pssc.201600051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Structural changes of starch during baking and staling of rye bread**

**Mihhalevski, Anna**; Heinmaa, Ivo; **Traksmaa, Rainer**; Pehk, Tõnis; Mere, Arvo; **Paalme, Toomas** Journal of agricultural and food chemistry 2012 / p. 8492-8500 : ill <https://pubs.acs.org/doi/10.1021/jf3021877>

**Structural, dielectric, magnetic, and nuclear magnetic resonance studies of multiferroic Y-type hexaferrites**

**Khanduri, Himani**; Chandra Dimri, Mukesh; Kooskora, Helgi; Heinmaa, Ivo; Viola, G.; Ning, H.; Reece, M.J.; **Krustok, Jüri**; Stern, Raivo Journal of applied physics 2012 / p. 073903-1 - 073903-7 : ill <https://pubs.aip.org/aip/jap/article/112/7/073903/368621/Structural-dielectric-magnetic-and-nuclear>

**Structural, magnetic and NMR studies of polycrystalline Y-type Hexaferrites**

Khanduri, Himani; Chandra, Mukesh; Kooskora, Helgi; Heinmaa, Ivo; **Krustok, Jüri**; Stern, Raivo ECerS XII : the 12th Conference of the European Ceramic Society : Stockholm, Sweden, June 19-23, 2011 2011

**The study of rye bread staling**

**Mihhalevski, Anna**; **Paalme, Toomas**; Heinmaa, Ivo; **Traksmaa, Rainer** 7th European Young Cereal Scientists and Technologists Workshop : Kaunas, Lithuania, May 19-21, 2008 : programme and abstract book 2008 / p. 22