

- Analysis of grain orientation and defects in Sb₂Se₃ solar cells fabricated by close-spaced sublimation**
Krautmann, Robert; Spalatu, Nicolae; Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; Oja Acik, Ilona; Krunks, Malle GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 17 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Anion binding of biotinuril derivatives enhanced by silver cation**
Siilak, Kristjan; Dalidovich, Tatsiana; Shalima, Tatsiana; Kudrjašova, Marina; Ustrnul, Lukas; Aav, Riina GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / p 35 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Application of cobalt-containing metal-organic framework as crystalline sponge**
Martõnova, Jevgenija; Adamson, Jasper; Kaabel, Sandra; Šubin, Kirill; Aav, Riina GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 2 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives**
Kimm, Mariliis; Ošeka, Maksim; Kanger, Tõnis GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 41 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten CD₁₂ and LiI : [conference paper]**
Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / p. 29 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Chiral Hemicucurbit[N]Urils, their synthesis, post functionalization and application**
Mishra, Kamini Atindrakumar; Aav, Riina GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 21 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Comparative study of siox layers deposition using thermal and uv-assisted curing of perhydropolysilazane**
Shmagina, Elizaveta; Bereznev, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 50 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Design of new phosphorylated amphiphilic calix[4]arenes**
Silenko, Oleg; Nagappa, Nandish M.; Cherenok, Sergey; Kalchenko, Vitaly I.; Karpichev, Yevgen GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 10 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Development of mechanochemical c–n bond forming reactions**
Dalidovich, Tatsiana; Mishra, Kamini Atindrakumar; Shalima, Tatsiana; Kudrjašova, Marina; Kananovich, Dzmitry; Aav, Riina GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 27 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Effect of process parameters on strength and carbonation of engineered building materials by calcium rich alkali wastes**
Usta, Mustafa Cem; Yörük, Can Rüstü; Gregor, Andre; Hain, Tiina; Uibu, Mai; Trikkell, Andres GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 40 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Elements distribution between solid and liquid phases in hydrochloric acid treatment of phosphate ore**
Hacalioglu-Erlenheim, Gizem; Tõnsuaadu, Kaia; Urtson, Kristjan; Kallaste, Toivo; Trikkell, Andres GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 54 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Enantioselective organocatalytic synthesis of n-alkylated indoles**
Trubitsõn, Dmitri; Kanger, Tõnis GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 34 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Heteroatom-doped nanocarbons derived from black liquor as the oxygen reduction reaction catalysts**
Kaare, Kätlin; Kruusenberg, Ivar; Volperts, Aleksandrs; Zhurinsh, Aivars; Dobeles, Galina; Walke, Peter; Mikli, Valdek GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 53 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- HPLC-MS as a tool for screening mechanochemical synthesis of macrocycles**
Shalima, Tatsiana; Dalidovich, Tatsiana; Suut, Elina; Kananovich, Dzmitry; Aav, Riina GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 26 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Influence of unpacking temperature on tensile strength of PA12 parts manufactured by SLS**
Sepp, Geithy GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 58 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf
- Kinetic modeling of catalyst deactivation for light gas catalytic cracking in the presence of steam**
Barghi, Bijan; Niidu, Allan GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 30

https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Mechanochemical conversion of 1,2,3-trichloropropane into homoallylic alcohols

Nallaparaju, Jagadeesh Varma; Kananovich, Dzmitry; Aav, Riina GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 19 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Nanodiamonds as a platform for biomedical application

Bondar, Denys; Karpichev, Yevgen GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 23 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

New carbon-based catalyst synthesis from spent li-ion batteries for electrochemical oxygen reduction

Kazemi, Maryam; Liivand, Kerli; Kruusenberg, Ivar; Walke, Peter; Mikli, Valdek; Uibu, Mai; Macdonald, Digby D. GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 42 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

The optoelectronic properties of Sb₂(Se_{1-x}S_x)₃ (x= 0 - 1) solid solutions

Ender, Mehmet; Volobujeva, Olga; Timmo, Kristi; Grossberg, Maarja GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 4 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Oxidation of aqueous corticosteroid dexamethasone with pulsed corona discharge

Onga, Liina; Kattel-Salusoo, Eneliis; Trapido, Marina; Preis, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 20 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Oxidation of bisphenol a by pulsed corona discharge : impacts of plasma-liquid contact surface and a surfactant radical scavenger

Nikitin, Dmitri; Tikker, Priit; Preis, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 37 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Structure, characteristics and impact of treatment on durability of denim fabric containing elastomeric fibre

Mandre, Nele; Plamus, Tiia; Krumme, Andres GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 12 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Syntshesis of platinum modified nanocarbon catalysts for fuel cell application

Najafli, Erkin GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 39 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Temperature and thickness effect of Nio layer on photocatalytic activity of Nio/Zno heterostructure by ultrasonic spray method

Chen, Zengjun; Dedova, Tatjana; Oja Acik, Ilona; Krunk, Malle GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 45 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

WC tribology for circular economy of manufacturing textile industries

Hussain, Abrar; Podgurski, Vitali; Antonov, Maksim; Goljandin, Dmitri; Viljus, Mart GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 33 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf