

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

Application of cobalt-containing metal-organic framework as crystalline sponge
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Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives
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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://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Chiral Hemicucurbit[N]Urils, their synthesis, post functionalization and application
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Shmagina, Elizaveta; Bereznev, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 50 https://fntdk.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://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

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Enantioselective organocatalytic synthesis of n-alkylated indoles
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Gas-phase photocatalytic oxidation of VOCs on the TiO₂ thin films
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Heteroatom-doped nanocarbons derived from black liquor as the oxygen reduction reaction catalysts
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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://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Influence of unpacking temperature on tensile strength of PA12 parts manufactured by SLS

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

Microstructure and mechanical properties of HEA alloys fabricated by selective laser melting of powder mixtures

Karimi, Javad; Prashanth, Konda Gokuldoss GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 24 https://fntdk.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://fntdk.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://fntdk.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://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Ortho-selective electrophilic substitution/addition to phenolates

Lopušanskaja, Eleana GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 19 https://fntdk.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://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

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Pulsed laser deposition of Zn(O,Se) layers for optoelectronic applications

Ibrahim, Akram Abdalla Mohammed; Bereznev, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 13 https://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Structural consideration of kukersite from air oxidation

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

Syntshesis of platinum modified nanocarbon catalysts for fuel cell application

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Alao, Percy Festus; Marrot, Laetitia; Kers, Jaan GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 5 https://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

WC tribology for circular economy of manufacturing textile industries

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