

Aspects of kerogen oxidative dissolution in subcritical water using oxygen from air

Kaldas, Kristiina; Niidu, Allan; Preegel, Gert; Uustalu, Jaan Mihkel; Muldma, Kati; Lopp, Margus Oil shale 2021 / p. 199-214 : ill <https://doi.org/10.3176/oil.2021.3.02> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Behavior of Estonian oil shale in acidic oxidative conditions

Niidu, Allan; Grenman, Henrik; Muldma, Kati; Kaldas, Kristiina; Mikli, Valdek; Lopp, Margus Frontiers in Chemical Engineering 2022 / art. 590115 <https://doi.org/10.3389/fceng.2022.590115>

Capillary electrophoretic analysis of calcium and magnesium acetate samples produced from oil shale industry waste

Umerenkova, Violetta; Muldma, Kati; Närep, Angelica; Mets, Birgit; Kaldas, Kristiina Euroanalysis 2025 : XXII European Conference on Analytical Chemistry : Abstract Book 2025 / art. P2-074 ; p. 583 https://www.euroanalysis2025.com/images/site/abstracts/ABSTRACT_EUROANALYSIS_2025.V13.pdf

Dikarboksüülhapete stabiilsus oksüdatsioonil õhuhapnikuga vesikeskkonnas

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Eesti teadlased avastasid uue viisi põlevkivi väärimiseks

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Exploring different methods for valorising oil shale ash into calcium and magnesium acetate de-icers

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Fast reaction yield monitoring by ce analysis of dicarboxylic acids in kerogen valorisation process

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Kerogeeni oksüdatiivne lahustamine vees

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Kerox technology: potential of piloting the production of medium chain dicarboxylic acids from kerogen in a continuous flow oxidation reactor

Reinaas, Maria; Kaldas, Kristiina; Muldma, Kati; Uustalu, Jaan Mihkel; Koern, Villem Ödner; Siirde, Kaarel; Silm, Estelle; Mets, Birgit; Kimm, Mariliis; Rõuk, Kristi Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 29 ; poster 20 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

Kerox technology: potential of piloting the production of medium chain dicarboxylic acids from kerogen in a continuous-flow oxidation reactor

Reinaas, Maria; Kaldas, Kristiina; Muldma, Kati; Uustalu, Jaan Mihkel; Koern, Villem Ödner; Siirde, Kaarel; Silm, Estelle; Mets, Birgit; Kimm, Mariliis; Rõuk, Kristi Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 29 [Future Frontiers \(PDF\)](#)

Laboris, kus valmis TalTechi aasta arendustöö, luuakse põlevkivile uus tulevik

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Methylation of phenols

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Potential of producing medium chain dicarboxylic acids from kerogen in kukersite in a continuous-flow oxidation reactor

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Production of snow and ice melting agents - calcium and magnesium acetates from oil shale industry combustion waste

Muldma, Kati; Mets, Birgit; Siirde, Kaarel; Siirde, Andres; Reinaas, Maria; Närep, Angelica; Uustalu, Jaan Mihkel; Koern, Villem Ödner; Lopp, Margus; Kaldas, Kristiina ISCRE 28 : Abstracts 2024 / 2 p https://www.iscre28.org/abstracts/abstract_588_518_1.pdf <https://www.iscre28.org/abstracts.html>

Reactivity of aliphatic dicarboxylic acids in wet air oxidation conditions

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus Industrial & engineering chemistry research 2019 / p. 10855–10863 : ill <https://doi.org/10.1021/acs.iecr.9b01643> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural consideration of kukersite from air oxidation

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The Lille-Blokker model – an excellent tool to describe the structure of kukersite

Mets, Birgit; Kaldas, Kristiina; Uustalu, Jaan Mihkel; Lopp, Margus Oil shale 2023 / p. 234–243

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A two-step model for assessing the potential of shale-derived chemicals by oxidation of kukersite

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Wet air oxidation of oil shale = Põlevkivi oksüdeerimine vees hapniku mõjul

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Wet air oxidation of oil shales: kerogen dissolution and dicarboxylic acid formation

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<https://doi.org/10.1021/acsomega.0c01466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wet air oxidation of oil shales-factors affecting dicarboxylic acids formation

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