

#### **ClimMIT - Climate change mitigation with CCS and CCU technologies**

**Uibu, Mai; Siirde, Andres; Järvik, Oliver; Triikkel, Andres; Yörük, Can Rüstü;** Nurk, Gunnar; Kirsimäe, Kalle; **Hazak, Aaro;**

**Konist, Alar** Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 9 p

<https://ssrn.com/abstract=3812288> <https://doi.org/10.2139/ssrn.3812288>

#### **Influence of A-Site Deficiency and Ca Concentration on the Electrical and Crystallographic Properties of (Nd<sub>0.2</sub>Sr<sub>0.7-x</sub>Ca<sub>x</sub>)Ti<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3-δ</sub>-Based Fuel Electrode for Solid Oxide Cells**

Paydar, Sara; Kooser, Kuno; **Volobujeva, Olga;** Granroth, Sari; Nurk, Gunnar ACS Applied Energy Materials 2024 / p. 5745 - 5754

<https://doi.org/10.1021/acsaem.4c00824> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Influence of A-site modifications on the properties of La<sub>0.21</sub>Sr<sub>0.74-x</sub>Ca<sub>x</sub>Ti<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3-δ</sub> based fuel electrode for solid oxide cell**

Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga;** Granroth, Sari; Lust, Enn; Nurk, Gunnar Journal of The Electrochemical Society 2023 / art. 054502, 10 p. : ill <https://doi.org/10.1149/1945-7111/acd084> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Influence of electrolyte scaffold microstructure and loading of MIEC material on the electrochemical performance of RSOC fuel electrode**

Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; Möller, Priit; **Uibu, Mai;** Lust, Enn; Nurk, Gunnar Fuel Cells 2018 / p. 789-799

<https://doi.org/10.1002/fuce.201800087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Influence of electrolyte scaffold microstructure and loading of miec material on the electrochemical performance of r-soc fuel electrode [Online resource]**

Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; **Uibu, Mai;** Lust, Enn; Nurk, Gunnar Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtk.ut.ee/teesid-2018/>

#### **Influence of Ni concentration on electrochemical and crystallographic properties of La<sub>0.25</sub>Sr<sub>0.25</sub>Ca<sub>0.4</sub>Ti<sub>1-x</sub>Ni<sub>x</sub>O<sub>3-δ</sub> solid oxide fuel cell anode**

Korjus, Ove; Möller, Priit; Kooser, Kuno; Käämbre, Tanel; **Volobujeva, Olga;** Nerut, Jaak; Kotkas, S.; Lust, Enn; Nurk, Gunnar Journal of Power Sources 2021 / Art. n.r 229739 <https://doi.org/10.1016/j.jpowsour.2021.229739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Optimization of La<sub>0.2</sub>Sr<sub>0.7-x</sub>Ca<sub>x</sub>Ti<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3-δ</sub> fuel electrode stoichiometry for solid oxide fuel-cell application**

Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga;** Granroth, Sari; Lust, Enn; Nurk, Gunnar ACS Applied Energy Materials 2022 / p. 10119 - 10129 <https://doi.org/10.1021/acsaem.2c01808> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Silver nanoparticles study for application in green housing**

**Küünaal, Siim; Kutti, Sander;** Guha, Mithu; Rauwel, Protima; Wragg, David; Nurk, Gunnar; **Rauwel, Erwan** ECS transactions 2015 / p. 15-24 <https://doi.org/10.0.4.125/06447.0015ecst> [Conference proceedings at Scopus](#) [Article at Scopus](#)