

Advancing green hydrogen production : synthesizing and analyzing nickel and iron micro-flower shaped electrocatalysts on Ni-mesh for alkaline water electrolysis

Jäger, Rutha; Valk, Peeter; Grozovski, Vitali; **Volobujeva, Olga**; Prits, Alise-Valentine; Maide, Martin; Küngas, Rainer; Lust, Enn; Nerut, Jaak 246th ECS Meeting PRiME 2024; Honolulu, Hawaii, USA; October 6-11, 2024 <https://doi.org/10.1149/MA2024-02422814mtgabs>

Bifunctional platinum-free mixed metal oxygen electrocatalysts based on naturally abundant peat

Teppor, Patrick; Jäger, Rutha; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Koppel, Mirjam; Lust, Enn ECS Meeting Abstracts 2022 / p. 29-37 : ill <https://doi.org/10.1149/10807.0029ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

Carbon aerogel platinum-praseodymium oxide nanocatalyst for methanol oxidation in 0.5 M sulfuric acid : (digital presentation)

Prits, Alise-Valentine; Nerut, Jaak; Kasuk, Heili; **Koel, Mihkel**; Sepp, Silver; Valk, Peeter; Aruväli, Jaan; Koppel, Miriam; **Mikli, Valdek**; **Volobujeva, Olga**; Lust, Enn ECS transactions 2022 / art. 79 <https://doi.org/10.1149/10807.0079ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

Chemistry and materials science - high level learning via research and practical training

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Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance

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(Digital) Oxygen reduction reaction on waste tire derived carbon material and synthesized non-platinum group metal catalysts in alkaline solution

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Influence of A-site modifications on the properties of La_{0.21}Sr_{0.74}-xCa_xTi_{0.95}Fe_{0.05}O_{3-δ} based fuel electrode for solid oxide cell

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

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Investigation of oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier

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A journey for the development of a highly active ptcec(cr₃c₂) catalyst: material selections, synthesis optimization and electrical measurements for methanol oxidation and oxygen reduction

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A new curriculum in sustainable energetics in Estonia

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Optimization of La_{0.2}Sr_{0.7}- xCa xTi_{0.95}Fe_{0.05}O_{3-δ}fuel electrode stoichiometry for solid oxide fuel-cell application

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Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions

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