



Special Issue on SMART ENERGY Conversion and Storage; Guest Editor:

Janina Molenda —

Feature Article

Impact of crystal structure singularity on transport and electrochemical properties of $\text{Li}_x(\text{Li}_y\text{Fe}_z\text{V}_{1-y-z})\text{O}_2$ — electrode material for lithium batteries

Bartłomiej Gędziorowski, Janusz Toboła, Artur Braun, Janina Molenda

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Special Issue on SMART ENERGY Conversion and Storage; Guest Editor: Janina Molenda — Research Articles

Synthesis of ceramic-based porous gradient structures for applications in energy conversion and related fields

Thomas Graule, Paulina Ozog, Caroline Durif, Judit Wilkens-Heinecke, Dariusz Kata

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A- and B-site doping effect on physicochemical properties of $\text{Sr}_{2-x}\text{Ba}_x\text{MMoO}_6$ (M == Mg, Mn, Fe) double perovskites — candidate anode materials for SOFCs

Kun Zheng, Konrad Świerczek

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Preliminary study of structural changes in $\text{Li}_2\text{MnSiO}_4$ cathode material during electrochemical reaction

Michał Świątosławski, Marcin Molenda, Marta Gajewska

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Pre- and post-oxidation treatment of titanium as a method of improving the response of TiO_2 -based photoanodes in PECs

Anita Trenczek-Zajac, Joanna Banas

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Structural properties and presence of protons in

$\text{Ba}_{0.9}\text{Gd}_{0.1}\text{Zr}_{1-x-y}\text{Sn}_x\text{In}_y\text{O}_{3-(y-0.1)2}$ perovskites

Wojciech Skubida, Konrad Świerczek

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Enhancement of electrochemical performance of LiFePO_4 nanoparticles by direct nanocoating with conductive carbon layers

Joanna Świder, Marcin Molenda, Andrzej Kulka, Janina Molenda

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