Patryk Błaszczak

Lista Publikacji

1. Patryk Błaszczak, Marcin Zając, Agata Ducka, Krzysztof Matlak, Barbara Wolanin, Sea-Fue Wang, Anna Mandziak, Beata Bochentyn, Piotr Jasiński, High-temperature Co-electrolysis of CO2/H2O and direct methanation over Co-impregnated SOEC. Bimetallic synergy between Co and Ni, International Journal of Hydrogen Energy, Volume 47, Issue 82, 2022, Pages 35017-35037, ISSN 0360-3199, https://doi.org/10.1016/j.ijhydene.2022.08.057.

2. Patryk Błaszczak, Agata Ducka, Barbara Wolanin, Krzysztof Matlak, Grzegorz Machowski, Marta Prześniak-Welenc, Sea-Fue Wang, Beata Bochentyn, Piotr Jasiński, Fabrication of wormhole-like YSZ and Ni-YSZ by the novel soft-hard template CTAB/NaCl-assisted route. Suppressing Ni coalescence in SOFC, Journal of the European Ceramic Society, Volume 43, Issue 2, 2023, Pages 438-451, ISSN 0955-2219, https://doi.org/10.1016/j.jeurceramsoc.2022.09.054.

3. Patryk Błaszczak, Marcin Łapiński, Sea-Fue Wang, Piotr Jasiński, Beata Bochentyn, Exsolution of Ni nanoparticles on the surface of cerium and nickel co-doped lanthanum strontium titanate as a new anodic layer for DIR-SOFC. Anti-coking potential and H2S poisoning resistance of the prepared material, International Journal of Hydrogen Energy, Volume 45, Issue 53, 2020, Pages 29186-29200, ISSN 0360-3199, https://doi.org/10.1016/j.ijhydene.2020.07.162.

4. Patryk Błaszczak, Adrian Mizera, Beata Bochentyn, Sea-Fue Wang, Piotr Jasiński, Preparation of methanation catalysts for high temperature SOEC by ß-cyclodextrin-assisted impregnation of nano-CeO2 with transition metal oxides, International Journal of Hydrogen Energy, Volume 47, Issue 3, 2022, Pages 1901-1916, ISSN 0360-3199, https://doi.org/10.1016/j.ijhydene.2021.10.144.

5. Patryk Błaszczak, Pyry Mäkinen, Aleksander Mroziński, Agata Ducka, Grzegorz Jasiński, Olli Himanen, Piotr Jasiński, Uncovering the electrochemical processes and understanding the causes of the degradation via EIS-DRT in large-scale solid oxide fuel cell, Applied Energy, Volume 393, 2025, Pages 125983, ISSN 0306-2619, https://doi.org/10.1016/j.apenergy.2025.125983