

Programme & The Book of Abstracts

Twentieth Annual Conference

YUCOMAT 2018

Herceg Novi, Montenegro, September 3–7, 2018

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TWENTIETH ANNUAL CONFERENCE

YUCOMAT 2018

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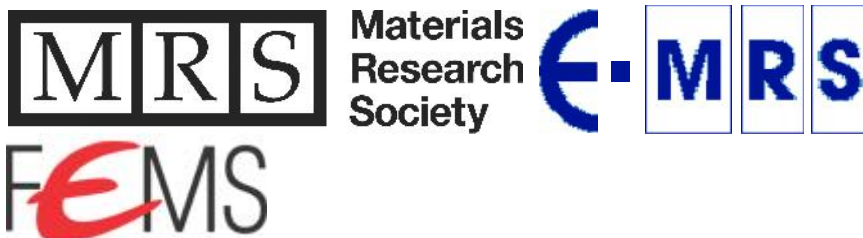
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Ni-Pd/Al₂O₃ catalyst in the form of foam for dry methane reforming

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In this research, catalytic properties of Ni-Pd/Al₂O₃ catalyst synthesized by aerosol impregnation method were examined in the dry methane reforming process. First, reticulated ceramic foams were impregnated by ultrasonically nebulized solution of corresponding chlorides and dried. The catalyst was activated by direct hydrogen reduction, without calcination, at only 533 K. The reforming test was carried out at temperatures of 873, 973 and 1023 K. Since CO and H₂ are the main products of the dry methane reforming, yields of those gasses were measured and obtained results were a base for conclusions about selectivity, activity and stability of the catalyst.

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