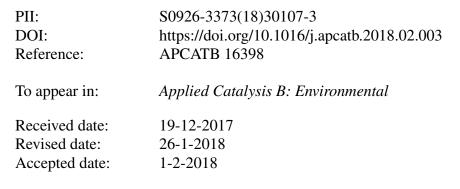
Accepted Manuscript

Title: Influence of the support on Ni catalysts performance in the in-line steam reforming of biomass fast pyrolysis derived volatiles

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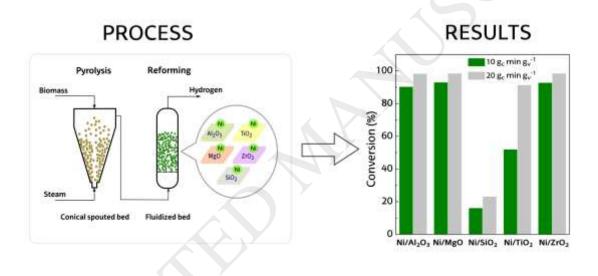
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Graphical abstract



Research Highlights

- Biomass pyrolysis-reforming strategy showed excellent potential for H₂ production
- Physical properties and metal dispersion of Ni/Al₂O₃ and Ni/ZrO₂ improved their activity
- Ni/Al₂O₃ and Ni/ZrO₂ allowed for obtaining H₂ productions above 10 wt%
- Ni/MgO catalyst showed a suitable activity with H₂ production of 9.0 wt%

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