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Elucidating the impact of Ni and Co loading on the selectivity of bimetallic NiCo catalysts for Dry Reforming of Methane

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## ACCEPTED MANUSCRIPT

#### Elucidating the impact of Ni and Co loading on the selectivity of bimetallic NiCo

#### catalysts for Dry Reforming of Methane

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#### Highlights:

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- Alloyed NiCo catalysts outperform monometallic Ni and Co in activity and stability
- Ni is more selective than Co towards CH<sub>4</sub> cracking and CO<sub>2</sub> activation
- Co is more selective than Ni toward the Boudouard Reaction

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