

Study of modified nickel-based catalyst for steam-CO₂ reforming

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This study was conducted to investigate W modified Ni-based catalyst for methane reforming. The catalysts for reaction was prepared by co-impregnation with different W loading amounts. The properties of each catalyst was analyzed by SEM-EDS, XRD, H₂-TPR and TG and the results showed that there were noticeable differences in each catalysts. Owing to the characterizations, the W modified catalysts exhibited better coke resistance and reactivity in steam-CO₂ reforming.