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Produkcja wodoru w procesie parowego reformingu etanolu w obecności katalizatorów Cu/Zr/Ga i Cu/Zr/La

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Cu/Zr catalysts with about 4% by mass Ga or La addn. were prepared and tested in a continuous flow fixed-bed reactor, in the temp. range of 433–573 K, with an initial molar ratio of ethanol to water of 1:3. The properties of obtained catalysts were compared with bimetallic Cu/Zr catalyst prepared and tested according to the same procedure. The Cu/Zr/La catalyst proved to be the best, hydrogen yield reached the value of 330 L/(kgcat . h). Neither CH4 nor CO were detected. The addn. of Ga did not bring a significant improvement in activity.

Metryczka

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