

Institute of Chemical Engineering

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Zastosowanie fotokatalizy w syntezie metanolu z metanu

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A review, with 56 refs., of research progress on the prodn. of MeOH from MeH using oxide photocatalysts: W, Ti, Bi, Zn, Mo, Ni, Ce and Ga, as well as zeolites and graphene C nitrides. The process conditions were presented, in particular the light sources used, the presence/absence of an oxidant and the addn. of the so-called sacrificial reagents, capturing excess electrons in the reaction system. A fundamental scheme of photocatalysis on a semiconductor molecule was presented.

Metryczka

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