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Mesoporous magnesium oxide xerogels - synthesis and structural characteristics

Publication date:	30.12.2021
Publication title:	Mesoporous magnesium oxide xerogels - synthesis and structural characteristics
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Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	magnesium oxide , xerogel , sol-gel , nanomaterials , mgo crystallite

Abstract: The paper presents the results of a study on the synthesis of magnesium oxide xerogels. In the synthesis, the sol-gel method was used, in which magnesium methoxide was applied as a magnesium precursor. The obtained magnesium hydroxide was subjected to the thermal dehydration process to obtain magnesium oxide particles. The influence of xylene addition during magnesium methoxide hydrolysis on the structure of the magnesium hydroxide and oxide was investigated.

Attachments:

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Number of downloads:	23

Tagi: magnesium oxide, xerogel, sol-gel, nanomaterials, mgo crystallite

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Published by:	Artur Wojdyła
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Number of views:	19