

Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/voc-combustion-on-ceramic-foam-supported-catalyst>

VOC combustion on ceramic foam supported catalyst

Publication date:	29.12.2016
Publication title:	VOC combustion on ceramic foam supported catalyst
Authors:	Anna Gancarczyk , Marzena Iwaniszyn , Andrzej Kołodziej , Mieczysław Jaroszyński , Łukasz Mokrzycki , Wojciech Rojek , Dorota Duraczyńska , Tadeusz Machej , Jolanta Kowalska
Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	catalytic combustion , ceramic foam , solid foam morphology , reaction kinetics

Abstract: Open cellular ceramic foam with the Mn-Cu catalyst layered was investigated in the toluene combustion process. Foam morphology was studied using computed microtomography. The results proved satisfactory functioning of the foam supported catalyst, better than the monolith supported one, probably due to more intense mass transfer of the foam-based reactor.

Attachments:

[Zeszyt-20-2016](#) pdf, 4.77 MB

Created at:	04.08.2025
Published by:	Artur Wojdyła
Published at:	05.08.2025 08:19
Number of downloads:	383

Tagi: catalytic combustion, ceramic foam, solid foam morphology, reaction kinetics

Metryczka

Published by:	Artur Wojdyła
Published at:	18.09.2025 13:12
Number of views:	136