

Institute of Chemical Engineering

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Nośnik katalizatora inspirowany kształtem rybich skrzeli

Publication date:	17.12.2025
Publication title:	Nośnik katalizatora inspirowany kształtem rybich skrzeli
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Journal information:	Przemysł Chemiczny

Exptl. studies were conducted on a new type of structured catalytic carrier, manufactured using 3D printing. Its design was inspired by fish gills, which are natural structures with high transport properties and a large sp. surface area, characteristics desirable for a catalytic carrier. The Nusselt no. detd. for the new structure (GSC, Gill-like structured carrier) indicate intensive heat transfer, similar to a packed bed, and acceptable flow resistance.

Metryczka

Published by:	Marek Tańczyk
Published at:	08.05.2026 12:56
Number of views:	25