

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/gold-nanoparticles-as-active-catalyst-of-glucose-oxideation>

## Gold nanoparticles as active catalyst of glucose oxideation

<b>Publication date:</b>	30.12.2013
<b>Publication title:</b>	<a href="#">Gold nanoparticles as active catalyst of glucose oxideation</a>
<b>Authors:</b>	<a href="#">Klaudia Odrozek</a> , <a href="#">Katarzyna Maresz</a> , <a href="#">Agnieszka Koreniuk</a> , <a href="#">Julita Mrowiec-Białoń</a>
<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk

**Abstract:** Our research work was focused on selective, catalytic oxidation of glucose to gluconic acid with hydrogen peroxide as oxidant. Proposed catalysts consist of gold nanoparticles supported on alumina and titania functionalized mesoporous SBA-15 material. The catalytic activity and structural properties of obtained materials were investigated.

## Attachments:

[Zeszyt-17-2013](#) pdf, 6.23 MB

<b>Created at:</b>	04.08.2025
<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	04.08.2025 11:44
<b>Number of downloads:</b>	79

## Metryczka

<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	18.09.2025 14:50

**Number of views:**

37