



Library Indian Institute of Science Education and Research Mohali



DSpace@IISERMohali (/jspui/)

/ Publications of IISER Mohali (/jspui/handle/123456789/4)

/ Research Articles (/jspui/handle/123456789/9)

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/4711>

Title:	Barrier-free liquid condensates of nanocatalysts as effective concentrators of catalysis
Authors:	Rakshit, Sabyasachi (/jspui/browse?type=author&value=Rakshit%2C+Sabyasachi)
Keywords:	nanocatalysts liquid condensates
Issue Date:	2022
Publisher:	Royal Society of Chemistry
Citation:	Chemical Communications, 58(62), 8634-8637
Abstract:	Traditional methods of molecular confinement have physicochemical barriers that restrict the free passage of substrates/products. Here, we explored liquid-liquid phase separation as a method to restrain protein-metal nanocomposites within barrier-free condensates. Confinement within liquid droplets was independent of the protein's native conformation and amplified the catalytic efficiency of metal nanocatalysts by one order of magnitude.
Description:	Only IISERM authors are available in the record
URI:	https://doi.org/10.1039/d2cc03111f (https://doi.org/10.1039/d2cc03111f) http://hdl.handle.net/123456789/4711 (http://hdl.handle.net/123456789/4711)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need To Add...Full Text_PDF..pdf (/jspui/bitstream/123456789/4711/1/Need%20To%20Add%e2%80%a6Full%20Text_PDF..pdf)		15.36 kB	Adobe PDF	View/Open (/jspu

[Show full item record \(/jspui/handle/123456789/4711?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/4711/statistics\)](#)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.