



Ts. DR. MOHAMMAD BIN ISMAIL

Professor

EDUCATION

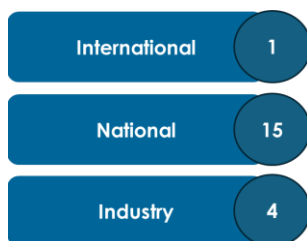
University of Wollongong, Australia
2008 - 2012
Ph. D in Advanced Materials

University of Malaya
1999 - 2003
B. Sc. (Hons.) in Applied Physics

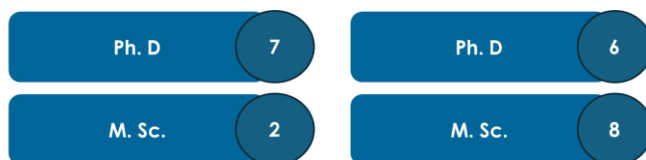
mohammadismail@umt.edu.my

FACULTY OF OCEAN ENGINEERING
TECHNOLOGY
UNIVERSITI MALAYSIA TERENGGANU

RESEARCH GRANTS



SUPERVISION (ON-GOING) SUPERVISION (GRADUATED)



SELECTED PUBLICATIONS

Inclusion of CoTiO_3 to ameliorate the re/dehydrogenation properties of the Mg-Na-Al system
Journal of Magnesium and Alloys 12 (2024) 1215

Exfoliation of compact layered Ti_2VAIC_2 MAX to open layered Ti_2VC_2 MXene towards enhancing the hydrogen storage properties of MgH_2
Chemical Engineering Journal 468 (2023) 143688

The effect of K_2SiF_6 on the MgH_2 hydrogen storage properties
Journal of Magnesium and Alloys 8 (2020) 832

Catalytic effect of SrTiO_3 on the hydrogen storage behaviour of MgH_2
Journal of Energy Chemistry 28 (2019) 46

Effect of LaCl_3 addition on the hydrogen storage properties of MgH_2
Energy 79 (2015) 177

AWARDS/ACHIEVEMENT

Top 2% scientist in the world in the field of energy based on the Scopus citation rank studied by Stanford University

International Magnesium Award for Youth of the Year 2022 from International Mg Society

Most Valuable Paper Award for Journal of Magnesium and Alloys 10th anniversary

2021 Outstanding Paper Award of Journal of Magnesium and Alloys

IJHE Juan Carlos Bolcich Award for the most cited paper in Hydrogen Storage & Distribution category of the year 2018

Fellow of International Association of Advanced Materials (FIAAM)

Expertise

Hydrogen Energy
Hydrogen Storage
Solid-state Hydrogen Storage
Metal Hydride
Complex Hydride

Research Profile

h-index 41
Citations 4196
No. of Publications 117
(Scopus, as of July 2024)

Scopus ID
<https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=55323514100&zone=>

Web of Science ID
<https://www.webofscience.com/wos/author/record/34452827>

ORCID
<https://orcid.org/0000-0002-1946-9007>

Google Scholar
<https://scholar.google.com.my/citations?user=Uhby0uoAAAAJ&hl=en>