

# Masli Irwan Rosli

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,466  
citations

394421

19  
h-index

330143

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rare earth metal doped nickel catalysts supported on exfoliated graphitic carbon nitride for highly selective CO and CO <sub>2</sub> methanation. <i>Applied Surface Science</i> , 2022, 571, 151321.	6.1	30
2	Modelling and optimisation of oil palm biomass value chains and the environmentâ€“foodâ€“energyâ€“water nexus in peninsular Malaysia. <i>Biomass and Bioenergy</i> , 2021, 144, 105912.	5.7	13
3	Scale-up approach for supercritical fluid extraction with ethanolâ€“water modified carbon dioxide on <i>Phyllanthus niruri</i> for safe enriched herbal extracts. <i>Scientific Reports</i> , 2021, 11, 15818.	3.3	9
4	Flow characteristics within the wall boundary layers of swirling steam flow in a pipe comprising horizontal and inclined sections. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 19-36.	2.7	4
5	Optimization of oil palm empty fruit bunches value chain in Peninsular Malaysia. <i>Food and Bioproducts Processing</i> , 2020, 119, 179-194.	3.6	30
6	Drying sago pith waste in a fluidized bed dryer. <i>Food and Bioproducts Processing</i> , 2020, 123, 335-344.	3.6	5
7	Influences of Calcination Atmosphere on Nickel Catalyst Supported on Mesoporous Graphitic Carbon Nitride Thin Sheets for CO Methanation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7102-7113.	8.0	32
8	Numerical investigation of the effect of three-dimensional modified parallel flow field designs on proton exchange membrane fuel cell performance. <i>Chemical Engineering Science</i> , 2020, 217, 115499.	3.8	31
9	Effect of Static Extraction Time on Supercritical Fluid Extraction of Bioactive Compounds from <i>Phyllanthus niruri</i> . <i>Journal of Computational and Theoretical Nanoscience</i> , 2020, 17, 918-924.	0.4	6
10	Development of An Integrated Surface and Sub-Surface Simulation Model in A Single Simulation Platform. <i>Indonesian Journal of Science and Technology</i> , 2020, 5, 109-124.	1.5	0
11	Influence of Thermal Conductivity on the Thermal Behavior of Intermediate-Temperature Solid Oxide Fuel Cells. <i>Journal of Electrochemical Science and Technology</i> , 2020, 11, 132-139.	2.2	1
12	Comparison of drying kinetics and product quality from convective heat pump and solar drying of Roselle calyx. <i>Food and Bioproducts Processing</i> , 2019, 118, 40-49.	3.6	23
13	Turbulence dissipation & its induced entrainment in subsonic swirling steam injected in cocurrent flowing water. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118716.	4.8	15
14	Scale-up criteria and economic analysis for supercritical fluid extraction of <i>Phyllanthus niruri</i> . <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 139, 14-22.	3.6	22
15	Fibre orientation effect on polypropylene/milled carbon fiber composites in the presence of carbon nanotubes or graphene as a secondary filler: Application on PEM fuel cell bipolar plate. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30618-30626.	7.1	29
16	Three-dimensional CFD modeling of a direct formic acid fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30627-30635.	7.1	9
17	Three-dimensional study of stack on the performance of the proton exchange membrane fuel cell. <i>Energy</i> , 2019, 169, 338-343.	8.8	39
18	Fabrication of multi-filler MCF/MWCNT/SG-based bipolar plates. <i>Ceramics International</i> , 2019, 45, 7413-7418.	4.8	24

#	ARTICLE	IF	CITATIONS
19	The design and development of an HT-PEMFC test cell and test station. International Journal of Hydrogen Energy, 2019, 44, 30763-30771.	7.1	25
20	Finite Element Analysis for Stress Distribution in a Proton Exchange Membrane Fuel Cell Stack. International Journal of Integrated Engineering, 2019, 11, .	0.4	0
21	Simulation of a Fluidized Bed Dryer for the Drying of Sago Waste. Energies, 2018, 11, 2383.	3.1	11
22	Numerical analysis of flow distribution behavior in a proton exchange membrane fuel cell. Heliyon, 2018, 4, e00845.	3.2	20
23	Effects of Die Configuration on the Electrical Conductivity of Polypropylene Reinforced Milled Carbon Fibers: An Application on a Bipolar Plate. Polymers, 2018, 10, 558.	4.5	9
24	A short review on the modeling of solid-oxide fuel cells by using computational fluid dynamics: assumptions and boundary conditions. International Journal of Integrated Engineering, 2018, 10, .	0.4	3
25	Numerical analysis of modified parallel flow field designs for fuel cells. International Journal of Hydrogen Energy, 2017, 42, 9210-9218.	7.1	81
26	Review on microstructure modelling of a gas diffusion layer for proton exchange membrane fuel cells. Renewable and Sustainable Energy Reviews, 2017, 77, 1001-1009.	16.4	94
27	Performance and stability of single and 6-cell stack passive direct methanol fuel cell (DMFC) for long-term operation. International Journal of Hydrogen Energy, 2017, 42, 9230-9242.	7.1	44
28	A review of high-temperature proton exchange membrane fuel cell (HT-PEMFC) system. International Journal of Hydrogen Energy, 2017, 42, 9293-9314.	7.1	463
29	Reactant Control System for Proton Exchange Membrane Fuel Cell. Procedia Engineering, 2016, 148, 615-620.	1.2	5
30	Overview biohydrogen technologies and application in fuel cell technology. Renewable and Sustainable Energy Reviews, 2016, 66, 137-162.	16.4	121
31	Effects of flow field design on water management and reactant distribution in PEMFC: a review. Ionics, 2016, 22, 301-316.	2.4	105
32	Optimization of Integrated Impeller Mixer via Radiotracer Experiments. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	1
33	Optimization of a Continuous Hybrid Impeller Mixer via Computational Fluid Dynamics. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	2
34	Improvement in the Implementation of Undergraduate Research Project. Procedia, Social and Behavioral Sciences, 2013, 102, 141-147.	0.5	1
35	Electrochemical properties of a PEMFC operating with saturated hydrogen and dry air. International Journal of Hydrogen Energy, 2013, 38, 9395-9400.	7.1	5
36	Water balance for the design of a PEM fuel cell system. International Journal of Hydrogen Energy, 2013, 38, 9409-9420.	7.1	30

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37	Water transport characteristics of a PEM fuel cell at various operating pressures and temperatures. International Journal of Hydrogen Energy, 2013, 38, 9401-9408.	7.1	51
38	ERT Visualization of Gas Dispersion Performance of Aerofoil and Radial Impellers in an Agitated Vessel. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	3
39	A Comparative Analysis between Direct and Indirect Measurement of Year I Integrated Project. International Education Studies, 2013, 6, .	0.6	2
40	Transparent PEM Fuel Cells for Direct Visualization Experiments. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	23
41	Through-Plane Permeability for Untreated and PTFE-Treated Gas Diffusion Layers in Proton Exchange Membrane Fuel Cells. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	44
42	Transparent PEM Fuel Cells for Direct Visualisation Experiments. , 2009, , .		0
43	Through-Plane Permeability for Untreated and PTFE-Treated Gas Diffusion Layers in Proton Exchange Membrane Fuel Cells. , 2009, , .		0
44	Carbon Fibre Reinforced Polypropylene: An Electrical Conductivity Model. Key Engineering Materials, 0, 791, 29-34.	0.4	1