

# Zulkarnain Jalil

## List of Publications by Year in descending order

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15  
papers

196  
citations

1307594

7  
h-index

1058476

14  
g-index

15  
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15  
docs citations

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times ranked

117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Desorption Temperature Characteristic of Mg-based Hydrides Catalyzed by Nano-SiO <sub>2</sub> Prepared by High Energy Ball Milling. <i>International Journal of Technology</i> , 2016, 7, 1301.	0.8	35
2	The use of nano-silicon carbide and nickel as catalyst in magnesium hydrides (MgH <sub>2</sub> ) for hydrogen storage material application. <i>Materials Research Express</i> , 2018, 5, 064002.	1.6	24
3	Hydrogen Desorption Properties of MgH <sub>2</sub> + 10 wt% SiO <sub>2</sub> + 5 wt% Ni Prepared by Planetary Ball Milling. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, 280-285.	1.1	24
4	Synthesis of Chitosan-Silver Nanoparticle Composite Spheres and Their Antimicrobial Activities. <i>Polymers</i> , 2021, 13, 3990.	4.5	23
5	The Effect of Natural Silica from Rice Husk Ash and Nickel as a Catalyst on the Hydrogen Storage Properties of MgH <sub>2</sub> . <i>Journal of Ecological Engineering</i> , 2021, 22, 79-85.	1.1	21
6	MgH <sub>2</sub> -SiC based hydrogen storage material prepared by reactive mechanical alloying method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 105, 012098.	0.3	17
7	The role of nano-Ni catalyst in MgH <sub>2</sub> obtained by reactive mechanical milling method for solid hydrogen storage application. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	13
8	Synthesis of nano-hematite (Fe <sub>2</sub> O <sub>3</sub> ) extracted from natural iron ore prepared by mechanical alloying method. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
9	The use of Silica from beach sand as catalyst in Magnesium based hydrides for Hydrogen storage materials. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 105, 012093.	0.3	7
10	Assessment of Arsenic Levels in Water, Sediment, and Human Hair around le Seue™um Geothermal Manifestation Area, Aceh, Indonesia. <i>Water (Switzerland)</i> , 2021, 13, 2343.	2.7	7
11	Oceanographic Factors as the Indicators for Shipyard Industry Development in Kutaraja Fishing Port: A Preliminary Study. <i>Journal of Ecological Engineering</i> , 2021, 22, 237-245.	1.1	7
12	Properties Enhancement Nano Coconut Shell Filled in Packaging Plastic Waste Bionanocomposite. <i>Polymers</i> , 2022, 14, 772.	4.5	5
13	The analysis of clean water need for fishing activities in Kutaraja Fishing Port, Aceh Indonesia. <i>Australian Journal of Maritime and Ocean Affairs</i> , 2021, 13, 1-11.	2.0	3
14	Microwave absorbing properties of teflon coating for x-band frequencies. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
15	Studi Katalis Ni Nano pada Material Penyimpan Hidrogen MgH <sub>2</sub> yang Dipreparasi melalui Teknik Mechanical Alloying. <i>Indonesian Journal of Applied Physics</i> , 2016, 6, 1.	0.1	1