

# Muhammad Arif Budiyanto

## List of Publications by Year in descending order

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43  
papers

351  
citations

840776

11  
h-index

888059

17  
g-index

44  
all docs

44  
docs citations

44  
times ranked

148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the LNG distribution to Mobile Power Plants using a Small-Scale LNG Carrier for the case of the Sulawesi region of Indonesia. Energy Reports, 2022, 8, 374-380.	5.1	5
2	Stability analysis of fast ship design using flat surface hull at the fully load fuel tank condition. AIP Conference Proceedings, 2021, , .	0.4	0
3	Study on the simulation model of container handling utility at the container terminal. AIP Conference Proceedings, 2021, , .	0.4	1
4	Analysis of the use of waterjet propulsion on unmanned surface vehicle models. AIP Conference Proceedings, 2021, , .	0.4	0
5	Simulation study of container terminal model on the utility optimization with resource allocation. AIP Conference Proceedings, 2021, , .	0.4	0
6	Total resistance analysis of flat hull surface fast-boat at fully draft condition. AIP Conference Proceedings, 2021, , .	0.4	0
7	Study on the inlet air velocity on the refrigerated container; comparison between flat floor and T-bar floor. IOP Conference Series: Materials Science and Engineering, 2021, 1034, 012063.	0.6	0
8	Study on the effectiveness of a stern-foil on a multi-chine hulls. IOP Conference Series: Materials Science and Engineering, 2021, 1034, 012064.	0.6	0
9	Evaluation of CO2 emissions and energy use with different container terminal layouts. Scientific Reports, 2021, 11, 5476.	3.3	25
10	The effect of depth variations of stern foil on high speed craft with computational fluid dynamics method. AIP Conference Proceedings, 2021, , .	0.4	0
11	Investigation cooling performance of refrigerated shipping container using computational fluid dynamics modelling. AIP Conference Proceedings, 2021, , .	0.4	1
12	Thermal simulation of the effect of solar radiation on the temperature increases on the refrigerated container walls. International Journal of Sustainable Engineering, 2021, 14, 1229-1238.	3.5	5
13	An investigation of thermal stratification in refrigerated container yards. Case Studies in Thermal Engineering, 2020, 21, 100703.	5.7	4
14	Application of stern foil on full draft patrol vessel at high speed condition using computational fluid dynamics (CFD) method. AIP Conference Proceedings, 2020, , .	0.4	4
15	Risk Assessment of Work Accident in Container Terminals Using the Fault Tree Analysis Method. Journal of Marine Science and Engineering, 2020, 8, 466.	2.6	33
16	Study on the LNG distribution to mobile power plants utilizing small-scale LNG carriers. Heliyon, 2020, 6, e04538.	3.2	23
17	CO2/N2 adsorption selectivity using metal-organic framework MIL-101(Cr) for marine engine exhaust model. AIP Conference Proceedings, 2020, , .	0.4	3
18	Performance Analysis of Combined Cycle with Air Breathing Derivative Gas Turbine, Heat Recovery Steam Generator, and Steam Turbine as LNG Tanker Main Engine Propulsion System. Journal of Marine Science and Engineering, 2020, 8, 726.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Energy efficiency on the reefer container storage yard; an analysis of thermal performance of installation roof shade. Energy Reports, 2020, 6, 686-692.	5.1	18
20	Turbidity factor coefficient on the estimation of hourly solar radiation in Depok City, Indonesia. Energy Reports, 2020, 6, 761-766.	5.1	7
21	Study on thermodynamic cycle of gas engine power plant 10MW. AIP Conference Proceedings, 2020, , .	0.4	0
22	Micro class underwater ROV (remotely operated vehicle) as a ship hull inspector: Development of an initial prototype. AIP Conference Proceedings, 2020, , .	0.4	2
23	Investigation of the effectiveness of a stern foil on a patrol boat by experiment and simulation. Cogent Engineering, 2020, 7, 1716925.	2.2	14
24	The optimization of exergoenvironmental factors in the combined gas turbine cycle and carbon dioxide cascade to generate power in LNG tanker ship. Energy Conversion and Management, 2020, 205, 112468.	9.2	24
25	Physical reviews of solar radiation models for estimating global solar radiation in Indonesia. Energy Reports, 2020, 6, 1206-1211.	5.1	12
26	Tackling the COVID-19 Pandemic: Managing the Cause, Spread, and Impact. International Journal of Technology, 2020, 11, 209.	0.8	7
27	Study on the Performance Analysis of Dual Fuel Engines on the Medium Speed Diesel Engine. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 68, 163-174.	0.6	5
28	Study on the Resistance Reduction on High-Speed Vessel by Application of Stern Foil Using CFD Simulation. CFD Letters, 2020, 12, 35-42.	0.8	9
29	Comparison Result of Hourly Solar Radiation Under The Clear Sky Condition Based on of Solar Radiation Model and Measured Data Experiment. , 2020, , .		3
30	Effect of azimuth angle on the energy consumption of refrigerated container. Energy Procedia, 2019, 156, 201-206.	1.8	15
31	Simulation study using building-design energy analysis to estimate energy consumption of refrigerated container. Energy Procedia, 2019, 156, 207-211.	1.8	16
32	Analysis of convergent and divergent-convergent nozzle of waterjet propulsion by CFD simulation. AIP Conference Proceedings, 2019, , .	0.4	10
33	An experimental investigation on mass effect of hydrocarbon refrigerant (R600a) on household refrigerator energy consumption. AIP Conference Proceedings, 2019, , .	0.4	0
34	OPTIMIZATION OF THE ROUTE OF DISTRIBUTION OF LNG USING SMALL SCALE LNG CARRIER: A CASE STUDY OF A GAS POWER PLANT IN THE SUMATRA REGION, INDONESIA. International Journal of Energy Economics and Policy, 2019, 9, 179-187.	1.2	5
35	Estimating CO2 Emissions in a Container Port based on Modality Movement in the Terminal Area. International Journal of Technology, 2019, 10, 1618.	0.8	10
36	Analysis of ISO-Tank Wall Physical Exergy Characteristic : Case Study of LNG Boil-off Rate from Retrofitted Dual Fuel Engine Conversion. Evergreen, 2019, 6, 134-142.	0.5	7

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37	Comparative study of the monthly global solar radiation estimation data in Jakarta. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012111.	0.3	8
38	The effect of solar radiation on the energy consumption of refrigerated container. Case Studies in Thermal Engineering, 2018, 12, 687-695.	5.7	22
39	Study on the estimation of solar radiation: Case study: Jakarta, Indonesia. , 2017, , .		7
40	Adsorption isotherms of natural gas on activated carbons from banana peel waste and water hyacinth. , 2017, , .		2
41	Study on the CFD simulation of refrigerated container. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012042.	0.6	10
42	Stack Effect on Power Consumption of Refrigerated Containers in Storage Yards. International Journal of Technology, 2017, 8, 1182.	0.8	21
43	Cooling performance of modular fish hold for 30 gross-tonnage fishing vessel. Journal of Marine Engineering and Technology, 0, , 1-7.	4.1	1