

Muhammad Arif Budiyanto

List of Publications by Year in descending order

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papers

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citations

840776

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44
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44
docs citations

44
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk Assessment of Work Accident in Container Terminals Using the Fault Tree Analysis Method. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 466.	2.6	33
2	Evaluation of CO2 emissions and energy use with different container terminal layouts. <i>Scientific Reports</i> , 2021, 11, 5476.	3.3	25
3	The optimization of exergoenvironmental factors in the combined gas turbine cycle and carbon dioxide cascade to generate power in LNG tanker ship. <i>Energy Conversion and Management</i> , 2020, 205, 112468.	9.2	24
4	Study on the LNG distribution to mobile power plants utilizing small-scale LNG carriers. <i>Heliyon</i> , 2020, 6, e04538.	3.2	23
5	The effect of solar radiation on the energy consumption of refrigerated container. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 687-695.	5.7	22
6	Stack Effect on Power Consumption of Refrigerated Containers in Storage Yards. <i>International Journal of Technology</i> , 2017, 8, 1182.	0.8	21
7	Energy efficiency on the reefer container storage yard; an analysis of thermal performance of installation roof shade. <i>Energy Reports</i> , 2020, 6, 686-692.	5.1	18
8	Simulation study using building-design energy analysis to estimate energy consumption of refrigerated container. <i>Energy Procedia</i> , 2019, 156, 207-211.	1.8	16
9	Effect of azimuth angle on the energy consumption of refrigerated container. <i>Energy Procedia</i> , 2019, 156, 201-206.	1.8	15
10	Investigation of the effectiveness of a stern foil on a patrol boat by experiment and simulation. <i>Cogent Engineering</i> , 2020, 7, 1716925.	2.2	14
11	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. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 726.	2.6	12
12	Physical reviews of solar radiation models for estimating global solar radiation in Indonesia. <i>Energy Reports</i> , 2020, 6, 1206-1211.	5.1	12
13	Study on the CFD simulation of refrigerated container. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 257, 012042.	0.6	10
14	Analysis of convergent and divergent-convergent nozzle of waterjet propulsion by CFD simulation. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	10
15	Estimating CO2 Emissions in a Container Port based on Modality Movement in the Terminal Area. <i>International Journal of Technology</i> , 2019, 10, 1618.	0.8	10
16	Study on the Resistance Reduction on High-Speed Vessel by Application of Stern Foil Using CFD Simulation. <i>CFD Letters</i> , 2020, 12, 35-42.	0.8	9
17	Comparative study of the monthly global solar radiation estimation data in Jakarta. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 105, 012111.	0.3	8
18	Study on the estimation of solar radiation: Case study: Jakarta, Indonesia. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Turbidity factor coefficient on the estimation of hourly solar radiation in Depok City, Indonesia. Energy Reports, 2020, 6, 761-766.	5.1	7
20	Tackling the COVID-19 Pandemic: Managing the Cause, Spread, and Impact. International Journal of Technology, 2020, 11, 209.	0.8	7
21	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
22	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
23	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
24	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
25	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
26	An investigation of thermal stratification in refrigerated container yards. Case Studies in Thermal Engineering, 2020, 21, 100703.	5.7	4
27	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
28	CO ₂ /N ₂ adsorption selectivity using metal-organic framework MIL-101(Cr) for marine engine exhaust model. AIP Conference Proceedings, 2020, , .	0.4	3
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	Adsorption isotherms of natural gas on activated carbons from banana peel waste and water hyacinth. , 2017, , .		2
31	Micro class underwater ROV (remotely operated vehicle) as a ship hull inspector: Development of an initial prototype. AIP Conference Proceedings, 2020, , .	0.4	2
32	Study on the simulation model of container handling utility at the container terminal. AIP Conference Proceedings, 2021, , .	0.4	1
33	Investigation cooling performance of refrigerated shipping container using computational fluid dynamics modelling. AIP Conference Proceedings, 2021, , .	0.4	1
34	Cooling performance of modular fish hold for 30 gross-tonnage fishing vessel. Journal of Marine Engineering and Technology, 0, , 1-7.	4.1	1
35	An experimental investigation on mass effect of hydrocarbon refrigerant (R600a) on household refrigerator energy consumption. AIP Conference Proceedings, 2019, , .	0.4	0
36	Study on thermodynamic cycle of gas engine power plant 10MW. AIP Conference Proceedings, 2020, , .	0.4	0

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37	Stability analysis of fast ship design using flat surface hull at the fully load fuel tank condition. AIP Conference Proceedings, 2021, , .	0.4	0
38	Analysis of the use of waterjet propulsion on unmanned surface vehicle models. AIP Conference Proceedings, 2021, , .	0.4	0
39	Simulation study of container terminal model on the utility optimization with resource allocation. AIP Conference Proceedings, 2021, , .	0.4	0
40	Total resistance analysis of flat hull surface fast-boat at fully draft condition. AIP Conference Proceedings, 2021, , .	0.4	0
41	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
42	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
43	The effect of depth variations of stern foil on high speed craft with computational fluid dynamics method. AIP Conference Proceedings, 2021, , .	0.4	0