

# Nazaruddin Sinaga

## List of Publications by Year in descending order

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42  
papers

297  
citations

1162889

8  
h-index

940416

16  
g-index

45  
all docs

45  
docs citations

45  
times ranked

212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of spark ignition engine performance with bioethanol-gasoline mixes using a multilayer perception model. <i>Petroleum Science and Technology</i> , 2022, 40, 1437-1461.	0.7	5
2	Assessment of the effect of distance between lithium-ion batteries with a number of triangular blades, on the thermal management of the battery pack in a chamber full of phase change material. <i>Journal of Energy Storage</i> , 2022, 51, 104391.	3.9	6
3	Numerical simulation of dimensions and arrangement of triangular fins mounted on cylindrical lithium-ion batteries in passive thermal management. <i>Journal of Energy Storage</i> , 2022, 50, 104392.	3.9	13
4	Regression-Analysis-Based Empirical Correlations to Design Regenerative Flow Machines. <i>Energies</i> , 2022, 15, 3861.	1.6	0
5	Thermogravimetric and combustion efficiency analysis of <i>Jatropha curcas</i> biodiesel and its derivatives. <i>Biofuels</i> , 2022, 13, 1069-1079.	1.4	5
6	Second law efficiency analysis of air injection into inner tube of double tube heat exchanger. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 1465-1476.	3.4	35
7	The study of performance and emission characteristics of a spark ignition (SI) engine fueled with different blends of pomegranate ethanol. <i>International Journal of Energy and Environmental Engineering</i> , 2021, 12, 295-306.	1.3	1
8	Melting performance enhancement of thermal storage system by utilizing shape and position of double fin. <i>Case Studies in Thermal Engineering</i> , 2021, 23, 100813.	2.8	24
9	Comparative Analysis of Abrasive Wear Using Response Surface Method and Artificial Neural Network. <i>Journal of the Institution of Engineers (India): Series D</i> , 2021, 102, 27-37.	0.6	3
10	Study on combustion, performance and exhaust emissions of bioethanol-gasoline blended spark ignition engine. <i>Heliyon</i> , 2021, 7, e06380.	1.4	32
11	Single solar chimney technology as a natural free ventilator; energy-environmental case study for Hong Kong. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101173.	2.8	6
12	Innovative integration of solar chimney ventilator, solar panel and phase change material; under real transient weather condition of Hong Kong through different months. <i>Renewable Energy</i> , 2021, 174, 865-878.	4.3	14
13	Evaluation of Vortex Generators in the Heat Transfer Improvement of Airflow through an In-Line Heated Tube Arrangement. <i>Fluids</i> , 2021, 6, 344.	0.8	0
14	Extraction of bioethanol from waste pomegranate fruits as a potential feedstock and its blending effects on a performance of a single cylinder SI engine. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111349.	8.2	16
15	Perencanaan PLTS Rooftop untuk Kawasan Pabrik Teh PT Pagilaran Batang. <i>Jurnal Elkomika</i> , 2021, 9, 888.	0.1	2
16	The Perspective of Large-Scale Production of Algae Biodiesel. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8181.	1.3	88
17	3D simulation on convective drying process for cylindrical tea particle using CFD software to analyze the heat and mass transfer phenomena. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
18	Numerical investigation of heat transfer and pressure loss of flow through a heated plate mounted by perforated concave rectangular winglet vortex generators in a channel. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0

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19	Taperless Type Blade Design with Naca 5513 Airfoil for Wind Turbine 500 TSD. IOP Conference Series: Earth and Environmental Science, 2020, 448, 012006.	0.2	0
20	2-D modelling of effect of free-stream turbulence on trailing edge vortex. IOP Conference Series: Materials Science and Engineering, 2020, 909, 012039.	0.3	0
21	Effect of Texture Depth on the Hydrodynamic Performance of Lubricated Contact Considering Cavitation. IOP Conference Series: Materials Science and Engineering, 2019, 494, 012047.	0.3	1
22	Performance and exhaust gas emission of gasoline engine fueled by gasoline, acetone and wet methanol blends. IOP Conference Series: Materials Science and Engineering, 2019, 535, 012013.	0.3	3
23	Comparison of Thermal-Hidraulic Performances of Vortex Generators Mounted on Heated Plate: Experimental Study and Flow Visualization. IOP Conference Series: Materials Science and Engineering, 2019, 494, 012011.	0.3	0
24	On the Effect of Addition of 1,2-Propylene Glycol Composition on Power and Torque of an EFI Passenger Car Fueled with Methanol-Gasoline M15. IOP Conference Series: Materials Science and Engineering, 2019, 494, 012014.	0.3	0
25	Comparative study of the performance and economic value of a small engine fueled with B20 and B20-LPG as an effort to reduce the operating cost of diesel engines in remote areas. IOP Conference Series: Materials Science and Engineering, 2019, 598, 012032.	0.3	2
26	Experimental Test of the Effect Wet Ethanol on Decreasing Emissions Exhaust in EFI Gasoline Engine with EGR System. Journal of Physics: Conference Series, 2019, 1373, 012007.	0.3	0
27	Effect of Wet-Ethanol on Fuel Consumption and Soot Emissions on Direct Injection Diesel Engines with Jatropa and Solar Cold EGR System. Journal of Physics: Conference Series, 2019, 1373, 012009.	0.3	0
28	Effect of Premium-Butanol Blends on Fuel Consumption and Emissions on Gasoline Engine with Cold EGR System. Journal of Physics: Conference Series, 2019, 1373, 012019.	0.3	1
29	Numerical simulation of the width and angle of the rotor blade on the air flow rate of a 350 kW air-cooled eddy current dynamometer. Journal of Physics: Conference Series, 2019, 1373, 012021.	0.3	0
30	Experimental and computational study on heat transfer of a 150 kW air-cooled eddy current dynamometer. Journal of Physics: Conference Series, 2019, 1373, 012020.	0.3	1
31	Analisis Pengaruh Temperatur dan Laju Aliran Massa Cooling Water Terhadap Efektivitas Kondensor di PT. Geo Dipa Energi Unit Dieng. Rotasi, 2019, 21, 155.	0.0	0
32	Design and Manufacture of a Low-Cost Data Acquisition Based Measurement System for Dual Fuel Engine Researches. IOP Conference Series: Materials Science and Engineering, 2019, 598, 012031.	0.3	3
33	Evaluation of thermal and hydraulic of air flow through perforated concave delta winglet vortex generators in a rectangular channel with field synergy principle. AIP Conference Proceedings, 2019, , .	0.3	2
34	Effect of perforated concave delta winglet vortex generators on heat transfer augmentation of fluid flow inside a rectangular channel: An experimental study. MATEC Web of Conferences, 2018, 204, 04015.	0.1	1
35	An analysis of the effect of gravitational load on the energy consumption of industrial robots. Procedia CIRP, 2018, 78, 8-12.	1.0	4
36	Performance of a compression ignition engine four strokes four cylinders on dual fuel (diesel+LPG). AIP Conference Proceedings, 2018, , .	0.3	3

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37	Optimization of texture of the multiple textured lubricated contact with slip. Journal of Physics: Conference Series, 2018, 1090, 012022.	0.3	2
38	Pengukuran Intensitas Turbulensi Pada Susunan Sebaris Dan Dua Baris Pipa Bersirip Lingkaran Menggunakan Laser Doppler Velocimeter. Reaktor, 2016, 9, 34.	0.2	0
39	Optimization and Prediction of Motorcycle Injection System Performance with Feed-Forward Back-Propagation Method Artificial Neural Network (ANN). American Journal of Engineering and Applied Sciences, 2016, 9, 222-235.	0.3	4
40	Impact of methanol-gasoline fuel blend on the fuel consumption and exhaust emission of a SI engine. AIP Conference Proceedings, 2016, , .	0.3	10
41	Optimization of Maximum Lift to Drag Ratio on Airfoil Design Based on Artificial Neural Network Utilizing Genetic Algorithm. Applied Mechanics and Materials, 0, 493, 123-128.	0.2	10
42	Experimental Investigation of Spark Ignition Engine Performance Fuelled with various Pomegranate Ethanol-Gasoline Mixtures. Journal of the Institution of Engineers (India): Series C, 0, , 1.	0.7	0