

# Nasruddin Nasruddin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4927899/nasruddin-nasruddin-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104  
papers

847  
citations

14  
h-index

25  
g-index

147  
ext. papers

1,086  
ext. citations

2.3  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
104	Potential of geothermal energy for electricity generation in Indonesia: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 53, 733-740	16.2	102
103	Optimization of HVAC system energy consumption in a building using artificial neural network and multi-objective genetic algorithm. <i>Sustainable Energy Technologies and Assessments</i> , <b>2019</b> , 35, 48-57	4.7	72
102	Energy and exergy analysis of kalina cycle system (KCS) 34 with mass fraction ammonia-water mixture variation. <i>Journal of Mechanical Science and Technology</i> , <b>2009</b> , 23, 1871-1876	1.6	57
101	Solar-assisted single-double-effect absorption chiller for use in Asian tropical climates. <i>Renewable Energy</i> , <b>2016</b> , 99, 825-835	8.1	42
100	Evaporation heat transfer coefficient in single circular small tubes for flow natural refrigerants of C3H8, NH3, and CO2. <i>International Journal of Multiphase Flow</i> , <b>2011</b> , 37, 794-801	3.6	39
99	Optimization of a cascade refrigeration system using refrigerant C3H8 in high temperature circuits (HTC) and a mixture of C2H6/CO2 in low temperature circuits (LTC). <i>Applied Thermal Engineering</i> , <b>2016</b> , 104, 96-103	5.8	39
98	Operation performance enhancement of single-double-effect absorption chiller. <i>Applied Energy</i> , <b>2018</b> , 219, 299-311	10.7	29
97	Natural deep eutectic solvents (NADES) as green solvents for carbon dioxide capture <b>2017</b> ,		27
96	Adsorption Isotherms of CH4 on Activated Carbon from Indonesian Low Grade Coal. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 361-367	2.8	24
95	Preparation and thermal characteristics of eutectic fatty acids/Shorea javanica composite for thermal energy storage. <i>Applied Thermal Engineering</i> , <b>2016</b> , 100, 62-67	5.8	22
94	Sensitivity analysis of steam power plant-binary cycle. <i>Energy</i> , <b>2010</b> , 35, 3578-3586	7.9	19
93	Synthesis and characterization of a novel microporous lanthanide based metal-organic framework (MOF) using naphthalenedicarboxylate acid. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 7409-7417	5.5	18
92	Biological Metal-Organic Frameworks (Bio-MOFs) for CO2 Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 37-51	3.9	16
91	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> , <b>2020</b> , 205, 112468	10.6	14
90	Exergy, exergoeconomic, and exergoenvironmental optimization of the geothermal binary cycle power plant at Ampallas, West Sulawesi, Indonesia. <i>Thermal Science and Engineering Progress</i> , <b>2020</b> , 19, 100625	3.6	14
89	Preparation of activated carbon from waste plastics polyethylene terephthalate as adsorbent in natural gas storage. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 176, 012055	0.4	13
88	Solar absorption chiller performance prediction based on the selection of principal component analysis. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 13, 100391	5.6	13

87	Methodology for implementing power plant efficiency standards for power generation: potential emission reduction. <i>Clean Technologies and Environmental Policy</i> , <b>2018</b> , 20, 309-327	4.3	12
86	Preparation of Activated Carbon from Palm Shells using KOH and ZnCl <sub>2</sub> as the Activating Agent. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 180, 012282	0.4	11
85	Techno-economic and environmental assessment of bioethanol production from high starch and root yield Sri Kanji 1 cassava in Malaysia. <i>Energy Reports</i> , <b>2016</b> , 2, 246-253	4.6	11
84	Hot water temperature prediction using a dynamic neural network for absorption chiller application in Indonesia. <i>Sustainable Energy Technologies and Assessments</i> , <b>2018</b> , 30, 114-120	4.7	11
83	High-Pressure Adsorption Isotherms of Carbon Dioxide and Methane on Activated Carbon From Low-Grade Coal of Indonesia. <i>Heat Transfer Engineering</i> , <b>2017</b> , 38, 396-402	1.7	9
82	Simulation study using building-design energy analysis to estimate energy consumption of refrigerated container. <i>Energy Procedia</i> , <b>2019</b> , 156, 207-211	2.3	8
81	Operation strategy of a solar-gas fired single/double effect absorption chiller for space cooling in Indonesia. <i>Applied Thermal Engineering</i> , <b>2020</b> , 178, 115524	5.8	8
80	Production of Activated Carbon from Coffee Grounds Using Chemical and Physical Activation Method. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5751-5755	0.1	8
79	Hydrophilic and hydrophobic characteristics of dry peat. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012083	0.3	8
78	Passive cooling strategies in roof design to improve the residential building thermal performance in tropical region. <i>Asian Journal of Civil Engineering</i> , <b>2019</b> , 20, 571-580	1.5	7
77	Study on the CFD simulation of refrigerated container. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 257, 012042	0.4	7
76	Improvement of Carbon Dioxide Capture using Graphite Waste/ FE <sub>3</sub> O <sub>4</sub> Composites <b>2017</b> , 8, 1436		7
75	Indonesia's Municipal Solid Waste 3R and Waste to Energy Programs. <i>Makara Journal of Technology</i> , <b>2018</b> , 21, 153	1	7
74	Adsorption Isotherms of Hydrogen on Granular Activated Carbon Derived From Coal and Derived From Coconut Shell. <i>Heat Transfer Engineering</i> , <b>2017</b> , 38, 403-408	1.7	6
73	Comparative study of the monthly global solar radiation estimation data in Jakarta. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012111	0.3	6
72	Optimization of Dry Storage for Spent Fuel from G.A. Siwabessy Nuclear Research Reactor <b>2018</b> , 9, 55		6
71	Stability, Viscosity, and Tribology Properties of Polyol Ester Oil-Based Biolubricant Filled with TEMPO-Oxidized Bacterial Cellulose Nanofiber. <i>International Journal of Polymer Science</i> , <b>2021</b> , 2021, 1-9	2.4	6
70	Upgrading Waste Heat from 90 to 110 °C: The Potential of Adsorption Heat Transformation. <i>Energy Technology</i> , <b>2021</b> , 9, 2000643	3.5	6

69	Optimization of post combustion CO <sub>2</sub> absorption system monoethanolamine (MEA) based for 320 MW coal-fired power plant application [Exergy and exergoenvironmental analysis. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101093	5.6	6
68	Preparation of Activated Carbon from Palm Shells Using KOH and ZnCl <sub>2</sub> as the Activating Agent. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 75, 012009	0.3	5
67	Effect of Methane Gas Flow Rate on Adsorption Capacity and Temperature Distribution of Activated <b>2015</b> , 6, 584		5
66	Thermoeconomic Optimization of Cascade Refrigeration System Using Mixed Carbon Dioxide and Hydrocarbons at Low Temperature Circuit. <i>Makara Journal of Technology</i> , <b>2016</b> , 20, 132	1	5
65	Study of the use of nanomaterials as drilling mud additives. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02007	0.5	5
64	Turbidity factor coefficient on the estimation of hourly solar radiation in Depok City, Indonesia. <i>Energy Reports</i> , <b>2020</b> , 6, 761-766	4.6	4
63	Study on the estimation of solar radiation: Case study: Jakarta, Indonesia <b>2017</b> ,		4
62	Synthesis, Characterizations, and Adsorption Isotherms of CO <sub>2</sub> on Chromium Terephthalate (MIL-101) Metal-organic Frameworks (Mofs) <b>2019</b> , 10, 1427		4
61	Numerical Simulation of a Two-bed Solar-driven Adsorption Chiller in a Tropical Climate <b>2015</b> , 6, 594		4
60	Optimization of Hydrogen Storage Capacity by Physical Adsorption on Open-ended Single-walled Carbon Nanotube as Diameter Function <b>2016</b> , 7, 264		4
59	Preparation and characterization of soybean straw activated carbon for natural gas storage. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 03019	0.5	4
58	Utilization of crown pineapple waste as raw material preparation of activated carbon as adsorbent in natural gas storage. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02018	0.5	4
57	Hourly solar radiation in Depok, West Java, Indonesia (106.7942 Longitude, -6.4025 Latitude). <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012088	0.3	4
56	Improved of Natural Gas Storage with Adsorbed Natural Gas (ANG) Technology Using Activated Carbon from Plastic Waste Polyethylene Terephthalate. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 75, 012018	0.3	3
55	Exergoeconomic analysis and optimization of a combined double flash [Binary cycle for Ulubelu geothermal power plant in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012087	0.3	3
54	Experimental and Simulation Study on the Performance of Counter Flow Closed Cooling Tower Systems <b>2015</b> , 6, 365		3
53	Tubular Photobioreactor: A Preliminary Experiment Using <i>Synechococcus</i> sp. (Cyanobacteria) Cultivated in NPK Media for Biomass Production as Biofuel Feedstock. <i>Evergreen</i> , <b>2019</b> , 6, 157-161	1.6	3
52	MXene Based Palm Oil Methyl Ester as an Effective Heat Transfer Fluid. <i>Journal of Nano Research</i> , <b>2018</b> , 68, 17-34	1	3

51	Quantification of the impact of temperature difference between two connected indoor spaces on 222Rn concentration. <i>Building and Environment</i> , <b>2019</b> , 149, 322-329	6.5	3
50	Synthesis and characterization of ionic liquid polymer composite with zeolite and its application for carbon dioxide capture. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 458, 012009	0.4	3
49	CFD Simulation of Silica Gel as an Adsorbent on Finned Tube Adsorbent Bed. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 01014	0.5	3
48	Experimental performance of adsorption chiller with fin and tube heat exchanger <b>2018</b> ,		3
47	CFD Modelling of Adsorption Behaviour in AGN Tank with Polyethylene Terephthalate Plastic Waste Based Activated Carbon. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 316, 012013	0.4	3
46	Effect of Graphene Nanoplatelets on Tribological Properties of Bacterial Cellulose/Polyolester Oil Bio-Lubricant. <i>Frontiers in Mechanical Engineering</i> , <b>2022</b> , 8,	2.6	3
45	Fatty acid of microalgae as a potential feedstock for biodiesel production in Indonesia <b>2019</b> ,		2
44	Current and future strategies for spent nuclear fuel management in Indonesia. <i>Energy Strategy Reviews</i> , <b>2020</b> , 32, 100575	9.8	2
43	Preliminary study of natural zeolite from Bayah for solar powered cooling application. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012001	0.3	2
42	Characteristics of evacuated tubular solar thermal collector as input energy for cooling system at Universitas Indonesia <b>2017</b> ,		2
41	Adsorption isotherms of natural gas on activated carbons from banana peel waste and water hyacinth <b>2017</b> ,		2
40	Generation of Microbubbles through Single Loop and Double Loop Fluid Oscillator for Photobioreactor Aeration <b>2019</b> , 10, 1446		2
39	Characteristics and COP Cascade Refrigeration System using Hydrocarbon Refrigerant (Propane, Ethane and CO2) at Low Temperature Circuit (TC) <b>2014</b> , 4, 112		2
38	Hydrogen Adsorption Capacity Reduction of Activated Carbon Produced from Indonesia Low Rank Coal by Pelletizing <b>2015</b> , 44, 747-752		2
37	Sorption-based Energy Storage Systems: A Review. <i>Makara Journal of Technology</i> , <b>2019</b> , 23, 16	1	2
36	The effect of modification photobioreactor bubble columns by using horizontal baffle on bubble velocity for microalgae <b>2020</b> ,		2
35	Fatty acid characterization of indigenous cyanobacterial strains isolated from five hot springs in indonesia. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02021	0.5	2
34	Exergetic-Economic analysis and optimization of solar assisted heat pump using Multi-objective Genetic Algorithm. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012064	0.3	2

33	Modified Activated Carbon Using NiO for Natural Gas Storage. <i>Materials Science Forum</i> , <b>2020</b> , 1000, 311-317	0.3	1
32	Improved natural gas storage with adsorbed natural gas technology (ANG) using activated carbon from pineapple crown. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1430, 012002	0.3	1
31	Design of a combination package of heat exchanger and heater for organic rankine cycle power plant. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012046	0.3	1
30	Performance evaluation of radiant cooling system application on a university building in Indonesia <b>2017</b> ,		1
29	Simulation and Optimization of Solar Thermal Cooling System in Manufacturing Research Center Building to Reduce Operational Cost Using Software EnergyPlus and GenOpt. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 780, 81-86	0.3	1
28	Hydrogen Adsorption Behavior of Mechanically Milled and Pelletized Coconut Shell Activated Carbon. <i>Materials Science Forum</i> , <b>2013</b> , 737, 98-104	0.4	1
27	Simulation of Solar Organic Rankine Cycle System Using Turbocharger with Cycle Tempo and Environmentally Friendly Fluid. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 388, 13-17	0.3	1
26	Effect of Hot Air Reservoir and Insulator Tray in the Development of Vacuum Freeze Drying. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 388, 139-145	0.3	1
25	Development of a compact freeze vacuum drying for jelly fish (Schypomedusae) <b>2012</b> ,		1
24	CO <sub>2</sub> /N <sub>2</sub> adsorption selectivity using metal-organic framework MIL-101(Cr) for marine engine exhaust model <b>2020</b> ,		1
23	Computational study on multi-objective optimization of the diffuser augmented horizontal axis tidal turbine. <i>Journal of Marine Science and Technology</i> ,1	1.7	1
22	Multiobjective optimization of synechocytis culture in flat-plate photobioreactor toward optimal growth and exergy. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1858, 012038	0.3	1
21	Performance prediction of vaccine carrier using adsorption process and 13x/cacl <sub>2</sub> composite zeolite as adsorbent. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012003	0.3	1
20	Thermodynamic analysis and multi objective optimization of kalina and absorption cycle for power and cooling driven by lahendong geothermal source. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012099	0.3	1
19	Multi objective optimization of microalgae flat plate photobioreactor design. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02053	0.5	1
18	Effects of aeration intensity as agitation in simple photobioreactors on leptolyngbya (cyanobacteria) growth as biofuel feedstock. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02011	0.5	1
17	Preparation and Characterization of Graphite Waste/CeO <sub>2</sub> Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 316, 012030	0.4	1
16	Optimization Study of Hydrogen Gas Adsorption on Zig-zag Single-walled Carbon Nanotubes: The Artificial Neural Network Analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 333, 012031	0.4	1

15	Cultivation of <i>Synechococcus</i> HS-9 in a novel rectangular bubble column photobioreactor with horizontal baffle. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101264	5.6	1
14	Multi-objective genetic algorithm optimization with an artificial neural network for CO <sub>2</sub> /CH <sub>4</sub> adsorption prediction in metal-organic framework. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 25, 100967	3.6	1
13	Energy Analysis for the Solar Thermal Cooling System in Universitas Indonesia <b>2019</b> , 27, 1950023		0
12	Preparation of metal-organic frameworks (MOFs) based Chromium 2,6-Naphtalenedicarboxylic Acid (MIL-101 NDC) for CO <sub>2</sub> adsorption application. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2021</b> , 1078, 012021	0.4	0
11	A low-cost media for leptolyngbya (cyanobacteria) strain growth isolated from indonesia as a potential biofuel feedstock. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02013	0.5	0
10	Effect of aeration in simple photobioreactor system for biomass production of <i>synechococcus</i> sp. (cyanobacteria) HS-7 and HS-9 as biofuel feedstock. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02006	0.5	0
9	Growth of <i>mastigocladus</i> (Cyanobacteria) HS-46 isolated from maribaya hot spring, indonesia in medium NPK as a potential biofuel feedstock. <i>E3S Web of Conferences</i> , <b>2018</b> , 67, 02020	0.5	0
8	Characteristics Air Flow in Room Chamber Test Refrigerator Household Energy Consumption with Inlet Flow Variation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 316, 012002	0.4	0
7	Bio-metal-organic framework-based cobalt glutamate for CO <sub>2</sub> /N <sub>2</sub> separation: Experimental and multi-objective optimization with a neural network. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 162, 998-1014	5.5	0
6	Studies of the water adsorption on Lampung natural zeolite of Indonesia for cooling application. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 316, 012001	0.4	
5	Utilization of waste heat from separation process of Ulubelu geothermal power plant by implementing an Absorption Refrigeration System (ARS) to improve plant performance. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012110	0.3	
4	Experimental of Cascade Refrigeration System Using Natural Refrigerant Mixture Ethane and Carbon Dioxide at Low Temperature Circuit and Natural Refrigerant Propane at High Temperature Circuit. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 388, 96-100	0.3	
3	Application of single-double-effect absorption chiller to utilize solar energy in the tropical regions. <i>The Proceedings of the Symposium on Environmental Engineering</i> , <b>2016</b> , 2016.26, 419	0	
2	Design, development and performance prediction of solar heater for regeneration of adsorbent chamber. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 105, 012004	0.3	
1	A comprehensive data and information on low to medium temperature geothermal resources in Indonesia: a review. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , <b>2022</b> , 8, 1	3.8	