

# Widodo Wahyu Purwanto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3256928/publications.pdf>

Version: 2024-02-01

30  
papers

426  
citations

933447

10  
h-index

752698

20  
g-index

30  
all docs

30  
docs citations

30  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	An assessment of Indonesia's energy security index and comparison with seventy countries. <i>Energy</i> , 2016, 111, 364-376.	8.8	90
2	Multi-objective optimization model for sustainable Indonesian electricity system: Analysis of economic, environment, and adequacy of energy sources. <i>Renewable Energy</i> , 2015, 81, 308-318.	8.9	49
3	Multi-objective optimization of a multiregional electricity system in an archipelagic state: The role of renewable energy in energy system sustainability. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 423-439.	16.4	41
4	Pathway towards 100% renewable energy in Indonesia power system by 2050. <i>Renewable Energy</i> , 2021, 176, 305-321.	8.9	41
5	Multi-objective optimization of green urea production. <i>Energy Science and Engineering</i> , 2019, 7, 292-304.	4.0	35
6	Assessing the impact of techno socioeconomic factors on sustainability indicators of microhydro power projects in Indonesia: A comparative study. <i>Renewable Energy</i> , 2016, 93, 312-322.	8.9	31
7	Status and outlook of natural gas industry development in Indonesia. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 29, 55-65.	4.4	30
8	Enhancing strategy on renewable hydrogen production in a continuous bioreactor with packed biofilter from sugary wastewater. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4404-4412.	7.1	18
9	Thermoeconomic assessment and optimization of wells to flash binary cycle using pure R601 and zeotropic mixtures in the Sibayak geothermal field. <i>Geothermics</i> , 2020, 85, 101778.	3.4	17
10	Techno-enviro-economic analysis of integrated direct chemical looping coal-based power generation and methanol synthesis using renewable hydrogen. <i>Journal of CO2 Utilization</i> , 2021, 54, 101768.	6.8	12
11	When and why does transition fail? A model-based identification of adoption barriers and policy vulnerabilities for transition to natural gas vehicles. <i>Energy Policy</i> , 2020, 138, 111239.	8.8	9
12	Proposing a decision-making process for the development of sustainable oil and gas resources using the petroleum fund: A case study of the East Natuna gas field. <i>Resources Policy</i> , 2016, 49, 372-384.	9.6	8
13	PEMILIHAN ADSORBEN UNTUK PENJERAPAN KARBON MONOKSIDA MENGGUNAKAN MODEL ADSORPSI ISOTERMIS LANGMUIR. <i>Reaktor</i> , 2013, 14, 225.	0.3	7
14	Modeling Future Energy Demand and CO2 Emissions of Passenger Cars in Indonesia at the Provincial Level. <i>Energies</i> , 2019, 12, 3168.	3.1	5
15	Municipal Solid Waste to Electricity Using Anaerobic Digestion and Incineration Conversion Technologies: A Comparative Study. , 2019, , .		5
16	Application of Fiscal Incentives for Development of East Natuna Gas Field for Long-Term National Natural Gas Demand. <i>Makara Journal of Technology</i> , 2015, 19, 65.	0.3	3
17	Techno-economic analysis of natural gas-fired microgrid for electricity, fresh water, and cold storage in rural area. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
18	Sustainable Energy System in the Archipelagic Country: Challenges and Opportunities. <i>Green Energy and Technology</i> , 2021, , 49-69.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Process and levelized cost assessment of high CO <sub>2</sub> -content natural gas for LNG production using membrane and CFZ CO <sub>2</sub> separation integrated with CO <sub>2</sub> sequestration. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101744.	2.7	3
20	Understanding adsorbate-induced surface segregation in PtCo/C electrocatalyst. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 604-612.	1.5	2
21	Mapping the potential of palm oil by product for second generation bio-ethanol. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
22	The potential utilization options of small-scale associated gas flaring on the upstream process production offshore platform. <i>Techno-economic assessment. AIP Conference Proceedings</i> , 2020, , .	0.4	2
23	Mixed-integer non-linear programming (MINLP) multi-period multi-objective optimization of advanced power plant through gasification of municipal solid waste (MSW). <i>Chemical Product and Process Modeling</i> , 2020, 15, .	0.9	2
24	Multi-period Enviro-Economic Optimization of Municipal Solid Waste to Electricity. <i>Waste and Biomass Valorization</i> , 2022, 13, 3707-3722.	3.4	2
25	Investment decisions under uncertainties in geothermal power generation. <i>AIMS Energy</i> , 2022, 10, 844-857.	1.9	2
26	Conceptual design of antifungal and antibacterial herbal ear hygiene product. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
27	Long-term Planning of the Fuel System in Indonesia using Optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1053, 012094.	0.6	1
28	Energy Security: A Case Study of Indonesia. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 49-74.	0.5	1
29	Analysis on Business Development and Pricing for Electric Vehicle Charging in Indonesia. , 2021, , .		1
30	Dynamic simulation and control of unloading and holding small-scale onshore LNG regasification processes. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0