

Haris Ishaq

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,715
citations

331670

21
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

1072
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on hydrogen production and utilization: Challenges and opportunities. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 26238-26264.	7.1	401
2	Comparative assessment of renewable energy-based hydrogen production methods. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110192.	16.4	155
3	Performance investigation of an integrated wind energy system for co-generation of power and hydrogen. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9153-9164.	7.1	100
4	A novel solar and geothermal-based trigeneration system for electricity generation, hydrogen production and cooling. <i>Energy Conversion and Management</i> , 2019, 198, 111812.	9.2	87
5	Development and assessment of a solar, wind and hydrogen hybrid trigeneration system. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 23148-23160.	7.1	67
6	A comparative evaluation of OTEC, solar and wind energy based systems for clean hydrogen production. <i>Journal of Cleaner Production</i> , 2020, 246, 118736.	9.3	62
7	Development and performance investigation of a biomass gasification based integrated system with thermoelectric generators. <i>Journal of Cleaner Production</i> , 2020, 256, 120625.	9.3	56
8	A solar and wind driven energy system for hydrogen and urea production with CO ₂ capturing. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 4749-4760.	7.1	52
9	A new energy system based on biomass gasification for hydrogen and power production. <i>Energy Reports</i> , 2020, 6, 771-781.	5.1	50
10	Design and performance evaluation of a new biomass and solar based combined system with thermochemical hydrogen production. <i>Energy Conversion and Management</i> , 2019, 196, 395-409.	9.2	49
11	A comparative evaluation of three Cu Cl cycles for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7958-7968.	7.1	49
12	Evaluation of a wind energy based system for co-generation of hydrogen and methanol production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15869-15877.	7.1	47
13	New trigeneration system integrated with desalination and industrial waste heat recovery for hydrogen production. <i>Applied Thermal Engineering</i> , 2018, 142, 767-778.	6.0	45
14	Industrial heat recovery from a steel furnace for the cogeneration of electricity and hydrogen with the copper-chlorine cycle. <i>Energy Conversion and Management</i> , 2018, 171, 384-397.	9.2	43
15	Analysis and optimization for energy, cost and carbon emission of a solar driven steam-autothermal hybrid methane reforming for hydrogen, ammonia and power production. <i>Journal of Cleaner Production</i> , 2019, 234, 242-257.	9.3	36
16	Exergy and cost analyses of waste heat recovery from furnace cement slag for clean hydrogen production. <i>Energy</i> , 2019, 172, 1243-1253.	8.8	32
17	Hydrogen production by microwave based plasma dissociation of water. <i>Fuel</i> , 2020, 264, 116831.	6.4	29
18	Investigation of an integrated system with industrial thermal management options for carbon emission reduction and hydrogen and ammonia production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 12971-12982.	7.1	25

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19	Exergy-based thermal management of a steelmaking process linked with a multi-generation power and desalination system. <i>Energy</i> , 2018, 159, 1206-1217.	8.8	23
20	Performance investigation of a new renewable energy-based carbon dioxide capturing system with aqueous ammonia. <i>International Journal of Energy Research</i> , 2020, 44, 2252-2263.	4.5	22
21	Performance investigation of adding clean hydrogen to natural gas for better sustainability. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 78, 103236.	4.4	22
22	Multigeneration system exergy analysis and thermal management of an industrial glassmaking process linked with a Cu-Cl cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9791-9801.	7.1	21
23	Dynamic modelling of a solar hydrogen system for power and ammonia production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13985-14004.	7.1	21
24	A comprehensive study on using new hydrogen-natural gas and ammonia-natural gas blends for better performance. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 81, 103362.	4.4	20
25	Dynamic analysis of a new solar-wind energy-based cascaded system for hydrogen to ammonia. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18895-18911.	7.1	19
26	Experimental investigation of improvement capability of ammonia fuel cell performance with addition of hydrogen. <i>Energy Conversion and Management</i> , 2020, 205, 112372.	9.2	19
27	A novel biomass gasification based cascaded hydrogen and ammonia synthesis system using Stoichiometric and Gibbs reactors. <i>Biomass and Bioenergy</i> , 2021, 145, 105929.	5.7	17
28	An Efficient Energy Utilization of Biomass Energy-Based System for Renewable Hydrogen Production and Storage. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	2.3	15
29	Multi-objective optimization and analysis of a solar energy driven steam and autothermal combined reforming system with natural gas. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 69, 102927.	4.4	14
30	Design and Analysis of a Novel Integrated Wind-Solar-OTEC Energy System for Producing Hydrogen, Electricity, and Fresh Water. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2019, 141, .	1.8	13
31	Exergy analysis and performance evaluation of a newly developed integrated energy system for quenchable generation. <i>Energy</i> , 2019, 179, 1191-1204.	8.8	12
32	Development and multi-objective optimization of a newly proposed industrial heat recovery based cascaded hydrogen and ammonia synthesis system. <i>Science of the Total Environment</i> , 2020, 743, 140671.	8.0	11
33	Experimental investigation of an integrated solar powered clean hydrogen to ammonia synthesis system. <i>Applied Thermal Engineering</i> , 2020, 176, 115443.	6.0	11
34	A new approach in treating industrial hazardous wastes for energy generation and thermochemical hydrogen production. <i>Journal of Cleaner Production</i> , 2021, 290, 125303.	9.3	10
35	Design and simulation of a new cascaded ammonia synthesis system driven by renewables. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 40, 100725.	2.7	8
36	Performance assessment of biogas-fed solid oxide fuel cell system for municipal solid waste treatment. <i>Journal of Cleaner Production</i> , 2022, 354, 131702.	9.3	8

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37	Investigation of a new energy system for clean methanol production. International Journal of Energy Research, 2021, 45, 17109-17119.	4.5	7
38	Experimental and theoretical investigations of a new cascaded reactor for ammonia as a renewable fuel. Fuel Processing Technology, 2021, 217, 106780.	7.2	7
39	Investigation and optimization of a new hybrid natural gas reforming system for cascaded hydrogen, ammonia and methanol synthesis. Computers and Chemical Engineering, 2021, 148, 107234.	3.8	6
40	A new energy efficient single-stage flash drying system integrated with heat recovery applications in industry. Drying Technology, 2020, 38, 735-746.	3.1	5
41	The Role of Hydrogen in Global Transition to 100% Renewable Energy. Lecture Notes in Energy, 2020, , 275-307.	0.3	4
42	Life cycle assessment of electric scooters for mobility services: A green mobility solutions. International Journal of Energy Research, 2022, 46, 20339-20356.	4.5	4
43	Hydrogen Production Methods. , 2022, , 35-90.		2
44	Hydro Energy-Based Hydrogen Production. , 2022, , 191-218.		2
45	Geothermal Energy-Based Hydrogen Production. , 2022, , 159-189.		1
46	Wind Energy-Based Hydrogen Production. , 2022, , 123-157.		1
47	Solar Energy-Based Hydrogen Production. , 2022, , 91-122.		1
48	Biomass Energy-Based Hydrogen Production. , 2022, , 249-287.		1
49	Integrated Systems for Hydrogen Production. , 2022, , 289-335.		1
50	Energetically enhanced natural gas liquefaction process with CO2 precooling. Energy Conversion and Management: X, 2022, 14, 100200.	1.6	1
51	Ocean Energy-Based Hydrogen Production. , 2022, , 219-248.		0