

# 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	An Efficient Energy Utilization of Biomass Energy-Based System for Renewable Hydrogen Production and Storage. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	15
2	Hydrogen Production Methods. , 2022, , 35-90.		2
3	Geothermal Energy-Based Hydrogen Production. , 2022, , 159-189.		1
4	Hydro Energy-Based Hydrogen Production. , 2022, , 191-218.		2
5	Wind Energy-Based Hydrogen Production. , 2022, , 123-157.		1
6	Solar Energy-Based Hydrogen Production. , 2022, , 91-122.		1
7	Ocean Energy-Based Hydrogen Production. , 2022, , 219-248.		0
8	Biomass Energy-Based Hydrogen Production. , 2022, , 249-287.		1
9	Integrated Systems for Hydrogen Production. , 2022, , 289-335.		1
10	Energetically enhanced natural gas liquefaction process with CO2 precooling. Energy Conversion and Management: X, 2022, 14, 100200.	1.6	1
11	A review on hydrogen production and utilization: Challenges and opportunities. International Journal of Hydrogen Energy, 2022, 47, 26238-26264.	7.1	401
12	Performance assessment of biogas-fed solid oxide fuel cell system for municipal solid waste treatment. Journal of Cleaner Production, 2022, 354, 131702.	9.3	8
13	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
14	Investigation of a new energy system for clean methanol production. International Journal of Energy Research, 2021, 45, 17109-17119.	4.5	7
15	A solar and wind driven energy system for hydrogen and urea production with CO2 capturing. International Journal of Hydrogen Energy, 2021, 46, 4749-4760.	7.1	52
16	Comparative assessment of renewable energy-based hydrogen production methods. Renewable and Sustainable Energy Reviews, 2021, 135, 110192.	16.4	155
17	A new approach in treating industrial hazardous wastes for energy generation and thermochemical hydrogen production. Journal of Cleaner Production, 2021, 290, 125303.	9.3	10
18	A novel biomass gasification based cascaded hydrogen and ammonia synthesis system using Stoichiometric and Gibbs reactors. Biomass and Bioenergy, 2021, 145, 105929.	5.7	17

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19	Dynamic modelling of a solar hydrogen system for power and ammonia production. International Journal of Hydrogen Energy, 2021, 46, 13985-14004.	7.1	21
20	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
21	Experimental and theoretical investigations of a new cascaded reactor for ammonia as a renewable fuel. Fuel Processing Technology, 2021, 217, 106780.	7.2	7
22	A comparative evaluation of OTEC, solar and wind energy based systems for clean hydrogen production. Journal of Cleaner Production, 2020, 246, 118736.	9.3	62
23	Performance investigation of a new renewable energy-based carbon dioxide capturing system with aqueous ammonia. International Journal of Energy Research, 2020, 44, 2252-2263.	4.5	22
24	Hydrogen production by microwave based plasma dissociation of water. Fuel, 2020, 264, 116831.	6.4	29
25	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
26	Development and multi-objective optimization of a newly proposed industrial heat recovery based cascaded hydrogen and ammonia synthesis system. Science of the Total Environment, 2020, 743, 140671.	8.0	11
27	A comprehensive study on using new hydrogen-natural gas and ammonia-natural gas blends for better performance. Journal of Natural Gas Science and Engineering, 2020, 81, 103362.	4.4	20
28	Design and simulation of a new cascaded ammonia synthesis system driven by renewables. Sustainable Energy Technologies and Assessments, 2020, 40, 100725.	2.7	8
29	Dynamic analysis of a new solar-wind energy-based cascaded system for hydrogen to ammonia. International Journal of Hydrogen Energy, 2020, 45, 18895-18911.	7.1	19
30	Development and performance investigation of a biomass gasification based integrated system with thermoelectric generators. Journal of Cleaner Production, 2020, 256, 120625.	9.3	56
31	Evaluation of a wind energy based system for co-generation of hydrogen and methanol production. International Journal of Hydrogen Energy, 2020, 45, 15869-15877.	7.1	47
32	Experimental investigation of improvement capability of ammonia fuel cell performance with addition of hydrogen. Energy Conversion and Management, 2020, 205, 112372.	9.2	19
33	A new energy system based on biomass gasification for hydrogen and power production. Energy Reports, 2020, 6, 771-781.	5.1	50
34	Performance investigation of adding clean hydrogen to natural gas for better sustainability. Journal of Natural Gas Science and Engineering, 2020, 78, 103236.	4.4	22
35	The Role of Hydrogen in Global Transition to 100% Renewable Energy. Lecture Notes in Energy, 2020, , 275-307.	0.3	4
36	Experimental investigation of an integrated solar powered clean hydrogen to ammonia synthesis system. Applied Thermal Engineering, 2020, 176, 115443.	6.0	11

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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