

# Gholam Reza Salehi

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

286  
citations

1163117

8  
h-index

996975

15  
g-index

27  
all docs

27  
docs citations

27  
times ranked

267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation and optimization of refrigeration cycle in NGL recovery plants with exergy-pinch analysis. <i>Journal of Natural Gas Science and Engineering</i> , 2012, 7, 35-43.	4.4	66
2	Comparison of Exergy and Advanced Exergy Analysis in Three Different Organic Rankine Cycles. <i>Processes</i> , 2020, 8, 586.	2.8	40
3	Design of structure and optimization of organic Rankine cycle for heat recovery from gas turbine: The use of 4E, advanced exergy and advanced exergoeconomic analysis. <i>Applied Thermal Engineering</i> , 2019, 147, 272-290.	6.0	28
4	Technical, economic, and environmental assessment of flare gas recovery system: a case study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-13.	2.3	20
5	Energy, exergy, exergoeconomic and exergoenvironmental analysis and optimization of a solar hybrid CCHP system. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-21.	2.3	16
6	An enhanced operation model for energy storage system of a typical combined cool, heat and power based on demand response program: The application of mixed integer linear programming. <i>Building Services Engineering Research and Technology</i> , 2019, 40, 47-74.	1.8	15
7	Developing operation of combined cooling, heat, and power system based on energy hub in a micro-energy grid: The application of energy storages. <i>Energy and Environment</i> , 2019, 30, 1356-1379.	4.6	14
8	4E analyses and multi-objective optimization of cascade refrigeration cycles with heat recovery system. <i>Thermal Science and Engineering Progress</i> , 2020, 19, 100613.	2.7	11
9	Thermodynamic and Exergoeconomic Evaluation of Heat Recovery of Gas Refinery Steam Network Using Organic Rankine Cycle and Kalina Cycle with Different Fluids. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.9	10
10	Comparative 4E and advanced exergy analyses and multi-objective optimization of refrigeration cycles with a heat recovery system. <i>International Journal of Thermodynamics</i> , 2020, 23, 197-214.	1.0	9
11	Effect of Using Hybrid Nanofluid in Thermal Management of Photovoltaic Panel in Hot Climates. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-8.	2.5	8
12	A new method to boost performance of heat recovery steam generators by integrating pinch and exergy analyses. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877787.	1.6	6
13	Comparative thermoeconomic optimization and exergoenvironmental analysis of an ejector refrigeration cycle integrated with a cogeneration system utilizing waste exhaust heat recovery. <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, .	2.3	6
14	Thermoeconomic analysis of a new waste heat recovery system for large marine diesel engine and comparison with two other configurations. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-26.	2.3	5
15	Design, exergy and exergoeconomic analysis and optimization of a CCHP+TES for the use in a complex building. <i>Building Services Engineering Research and Technology</i> , 2020, 41, 727-744.	1.8	4
16	Advanced Exergy, Exergoeconomic, Exergoenvironmental Evaluation of a Solar Hybrid Trigeration System Based on Solar Gas Turbine for an Office Building. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, .	2.3	4
17	Optimization of a Thermal Cracking Reactor Using Genetic Algorithm and Water Cycle Algorithm. <i>ACS Omega</i> , 2022, 7, 12493-12508.	3.5	4
18	3D CFD Modeling and Optimization of a Cylindrical Porous Bed Reactor for Hydrogen Production using Steam Reforming of Methane. <i>Petroleum Chemistry</i> , 2020, 60, 1251-1259.	1.4	3

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19	Exergetic and Exergoeconomic Optimization of Gas Turbine Inlet Air Cooling Systems with Absorption or Compression Chilling. <i>International Journal of Thermodynamics</i> , 2021, 24, 93-107.	1.0	3
20	Exergy and exergoeconomic analyses of serial and bypass two-stage compression on the household refrigerator-freezer and replacement of R436A refrigerant. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 137-158.	1.4	3
21	Optimization and advance thermodynamic analysis of dual stage Co2 power cycle combined to gas turbine. <i>Heat and Mass Transfer</i> , 2020, 56, 75-94.	2.1	2
22	Dynamic Simulation and Comparison of a Combined Heat and Power System With/Without Thermal Energy Storage. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, .	2.3	2
23	Entropy Generation Analysis of a Thermal Cracking Reactor. <i>ACS Omega</i> , 2021, 6, 6335-6347.	3.5	2
24	A New Algorithm for the Design of Site Utility for Combined Production of Power, Freshwater, and Steam in Process Industries. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	2.3	2
25	Artificial Neural Network Modeling and Numerical Simulation of Syngas Fuel and Injection Timing Effects on the Performance and Emissions of a Heavy-Duty Compression Ignition Engine. <i>ACS Omega</i> , 2021, 6, 32379-32394.	3.5	2
26	Energy, exergy, and environmental analysis of meeting cooling demand of a ship with waste heat recovery. <i>Energy Efficiency</i> , 2021, 14, 1.	2.8	1
27	Feasibility study of a hybrid grid-tied photovoltaic wave system on the shores of Persian Gulf. <i>Environmental Progress and Sustainable Energy</i> , 0, , e13665.	2.3	0