

Amir Ghasemi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

724
citations

516561

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h-index

940416

16
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17
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17
docs citations

17
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel solar-biomass based multi-generation energy system including water desalination and liquefaction of natural gas system: Thermodynamic and thermoeconomic optimization. Journal of Cleaner Production, 2018, 196, 424-437.	4.6	126
2	A novel multi-objective spiral optimization algorithm for an innovative solar/biomass-based multi-generation energy system: 3E analyses, and optimization algorithms comparison. Energy Conversion and Management, 2020, 219, 112961.	4.4	92
3	Multi-objective bat optimization for a biomass gasifier integrated energy system based on 4E analyses. Applied Thermal Engineering, 2021, 196, 117339.	3.0	61
4	Determination of the ORC-RO system optimum parameters based on 4E analysis; Waterâ€™Energy-Environment nexus. Energy Conversion and Management, 2019, 183, 772-790.	4.4	56
5	4E analyses and multi-objective optimization of a solar-based combined cooling, heating, and power system for residential applications. Energy Reports, 2021, 7, 1780-1797.	2.5	53
6	Stand-alone gas turbine and hybrid MCFC and SOFC-gas turbine systems: Comparative life cycle cost, environmental, and energy assessments. Energy Reports, 2021, 7, 4659-4680.	2.5	53
7	Determination of optimum hybrid cooling wet/dry parameters and control system in off design condition: Case study. Applied Thermal Engineering, 2019, 149, 132-150.	3.0	41
8	The economic evaluation of establishing a plant for producing biodiesel from edible oil wastes in oil-rich countries: Case study Iran. Energy, 2020, 213, 118760.	4.5	31
9	Comprehensive Techno-Economic Analysis of a Multi-Feedstock Biorefinery Plant in Oil-Rich Country: A Case Study of Iran. Sustainability, 2022, 14, 1017.	1.6	31
10	Simulation process of biodiesel production plant. Environmental Progress and Sustainable Energy, 2019, 38, e13264.	1.3	30
11	Optimal energy hub development to supply heating, cooling, electricity and freshwater for a coastal urban area taking into account economic and environmental factors. Energy, 2022, 238, 121743.	4.5	30
12	Simultaneous synthesis of H ₂ , O ₂ , and N ₂ via an innovatory energy system in Coronavirus pandemic time: Design, techno-economic assessment, and optimization approaches. International Journal of Hydrogen Energy, 2022, 47, 26038-26052.	3.8	28
13	Soft computing investigation of stand-alone gas turbine and hybrid gas turbineâ€™solid oxide fuel cell systems via artificial intelligence and multi-objective grey wolf optimizer. Energy Reports, 2022, 8, 7537-7556.	2.5	26
14	THERMODYNAMIC AND ENVIRONMENTAL COMPARATIVE INVESTIGATION AND OPTIMIZATION OF LANDFILL VS. INCINERATION FOR MUNICIPAL SOLID WASTE: A CASE STUDY IN VARAMIN, IRAN. Journal of Thermal Engineering, 2020, 6, 226-246.	0.8	23
15	The Economic Evaluation of Methanol and Propylene Production from Natural Gas at Petrochemical Industries in Iran. Sustainability, 2021, 13, 9990.	1.6	22
16	Techno-economic, environmental and emergy analysis and optimization of integrated solar parabolic trough collector and multi effect distillation systems with a combined cycle power plant. Energy, 2022, 240, 122499.	4.5	20
17	An Evaluation of Strategies for Job Mix Selection in Job Shop Production Environments - Case: A Photolithography Workstation. , 2021, , .		1