

Ata Chitsaz

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

893
citations

687363

13
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy and exergy assessments of a novel trigeneration system based on a solid oxide fuel cell. Energy Conversion and Management, 2014, 87, 318-327.	9.2	174
2	Thermoelectric Generators: A comprehensive review of characteristics and applications. Applied Thermal Engineering, 2022, 201, 117793.	6.0	153
3	Exergy assessment and optimization of a cogeneration system based on a solid oxide fuel cell integrated with a Stirling engine. Energy Conversion and Management, 2017, 143, 448-458.	9.2	96
4	Exergoeconomic and environmental investigation of an innovative poly-generation plant driven by a solid oxide fuel cell for production of electricity, cooling, desalinated water, and hydrogen. International Journal of Energy Research, 2020, 44, 10126-10154.	4.5	85
5	Thermodynamic assessment of a novel multi-generation solid oxide fuel cell-based system for production of electrical power, cooling, fresh water, and hydrogen. Energy Conversion and Management, 2019, 197, 111895.	9.2	55
6	Electrolyzer-fuel cell combination for grid peak load management in a geothermal power plant: Power to hydrogen and hydrogen to power conversion. International Journal of Hydrogen Energy, 2021, 46, 25650-25665.	7.1	53
7	Economic and environmental assessment using exergy of a geothermal power plant. Energy Conversion and Management, 2021, 228, 113666.	9.2	47
8	Optimization of a combined heat and power system based gasification of municipal solid waste of Urmia University student dormitories via ANOVA and taguchi approaches. International Journal of Hydrogen Energy, 2021, 46, 1815-1827.	7.1	45
9	Study of synthesis gas composition, exergy assessment, and multi-criteria decision-making analysis of fluidized bed gasifier. International Journal of Hydrogen Energy, 2019, 44, 27726-27740.	7.1	44
10	Syngas-fed membrane-based and steam and water-fed electrolysis-based hydrogen production systems: Renewability, sustainability, environmental and economic analyses and optimization. Journal of Cleaner Production, 2021, 326, 129424.	9.3	33
11	Sustainability improvement in combined electricity and freshwater generation systems via biomass: A comparative exergy analysis and multi-objective optimization. International Journal of Hydrogen Energy, 2022, 47, 2885-2899.	7.1	25
12	An integrated CCHP system based on biomass and natural gas co-firing: Exergetic and thermo-economic assessments in the framework of energy nexus. Energy Nexus, 2022, 5, 100016.	7.7	24
13	A novel system for electricity and synthetic natural gas production from captured CO ₂ : Techno-economic evaluation and multi-objective optimization. Journal of CO ₂ Utilization, 2022, 63, 102116.	6.8	18
14	Which methane-fueled fuel cell is of superior performance in CCHP applications; solid oxide or molten carbonate?. Fuel, 2022, 312, 122936.	6.4	14
15	Non-isothermal electrochemically mediated amine regeneration for CO ₂ capture: Performance evaluation and optimization. Journal of CO ₂ Utilization, 2021, 54, 101758.	6.8	12
16	Tri-objective central composite design optimization of co-gasification of eucalyptus biomass and polypropylene waste. Biomass Conversion and Biorefinery, 2024, 14, 4829-4841.	4.6	9
17	Thermo-electrochemical modeling of oxygen ion-conducting solid oxide fuel cells with internal steam reforming in the water-energy nexus. Energy Nexus, 2022, 5, 100057.	7.7	4
18	Post-combustion emission control of a gas turbine cooperated solar assisted CO ₂ based-reforming utilizing CO ₂ capture technology. Journal of CO ₂ Utilization, 2022, 56, 101847.	6.8	2