

# Amirhossein Mosaffa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,233  
citations

22  
h-index

31  
g-index

31  
ext. papers

1,505  
ext. citations

7.4  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
30	Exergoeconomic analysis and optimization of a novel integrated two power/cooling cogeneration system using zeotropic mixtures. <i>Energy</i> , <b>2022</b> , 253, 124132	7.9	0
29	Thermodynamic feasibility evaluation of an innovative salinity gradient solar ponds-based ORC using a zeotropic mixture as working fluid and LNG cold energy. <i>Applied Thermal Engineering</i> , <b>2021</b> , 186, 116488	5.8	16
28	A critical review on phase change material energy storage systems with cascaded configurations. <i>Journal of Cleaner Production</i> , <b>2021</b> , 283, 124653	10.3	23
27	A novel enhanced ammonia-water power/cooling cogeneration system with dual level cooling temperature: Thermodynamic and economic assessments. <i>Energy Conversion and Management</i> , <b>2021</b> , 244, 114530	10.6	3
26	Novel post combustion CO <sub>2</sub> capture in the coal-fired power plant employing a transcritical CO <sub>2</sub> power generation and low temperature steam upgraded by an absorption heat transformer. <i>Energy Conversion and Management</i> , <b>2020</b> , 207, 112542	10.6	15
25	Investigation of the thermoeconomic improvement of integrating enhanced geothermal single flash with transcritical organic Rankine cycle. <i>Energy Conversion and Management</i> , <b>2020</b> , 213, 112831	10.6	11
24	Ejector based CO <sub>2</sub> transcritical combined cooling and power system utilizing waste heat recovery: A thermoeconomic assessment. <i>Energy Conversion and Management</i> , <b>2019</b> , 186, 462-472	10.6	33
23	Thermoeconomic assessment of a novel integrated CHP system incorporating solar energy based biogas-steam reformer with methanol and hydrogen production. <i>Solar Energy</i> , <b>2019</b> , 178, 1-16	6.8	25
22	A new flexible geothermal based cogeneration system producing power and refrigeration, part two: The influence of ambient temperature. <i>Renewable Energy</i> , <b>2019</b> , 134, 875-887	8.1	9
21	Thermoeconomic assessment of a novel integrated biomass based power generation system including gas turbine cycle, solid oxide fuel cell and Rankine cycle. <i>Energy Conversion and Management</i> , <b>2018</b> , 161, 1-12	10.6	46
20	Thermodynamic and economic assessments of a novel CCHP cycle utilizing low-temperature heat sources for domestic applications. <i>Renewable Energy</i> , <b>2018</b> , 120, 134-150	8.1	33
19	Proposal and thermoeconomic analysis of geothermal flash binary power plants utilizing different types of organic flash cycle. <i>Geothermics</i> , <b>2018</b> , 72, 47-63	4.3	34
18	Thermodynamic analysis of a cascaded compression Absorption heat pump and comparison with three classes of conventional heat pumps for the waste heat recovery. <i>Applied Thermal Engineering</i> , <b>2018</b> , 128, 282-296	5.8	23
17	A comparative study and optimization of enhanced integrated geothermal flash and Kalina cycles: A thermoeconomic assessment. <i>Energy</i> , <b>2018</b> , 162, 111-125	7.9	26
16	Energy, exergy and economic assessments of a novel integrated biomass based multigeneration energy system with hydrogen production and LNG regasification cycle. <i>Energy</i> , <b>2017</b> , 125, 162-177	7.9	68
15	Thermoeconomic analysis of a new combination of ammonia/water power generation cycle with GT-MHR cycle and LNG cryogenic exergy. <i>Applied Thermal Engineering</i> , <b>2017</b> , 124, 1343-1353	5.8	33
14	Thermo-economic analysis of combined different ORCs geothermal power plants and LNG cold energy. <i>Geothermics</i> , <b>2017</b> , 65, 113-125	4.3	125

13	Exergoeconomic and environmental analyses of CO <sub>2</sub> /NH <sub>3</sub> cascade refrigeration systems equipped with different types of flash tank intercoolers. <i>Energy Conversion and Management</i> , <b>2016</b> , 117, 442-453	10.6	122
12	Exergoeconomic and environmental analyses of an air conditioning system using thermal energy storage. <i>Applied Energy</i> , <b>2016</b> , 162, 515-526	10.7	67
11	Energy and exergy evaluation of a multiple-PCM thermal storage unit for free cooling applications. <i>Renewable Energy</i> , <b>2014</b> , 68, 452-458	8.1	66
10	Thermodynamic analysis and comparison of combined ejector-absorption and single effect absorption refrigeration systems. <i>Applied Energy</i> , <b>2014</b> , 133, 335-346	10.7	44
9	Advanced exergy analysis of an air conditioning system incorporating thermal energy storage. <i>Energy</i> , <b>2014</b> , 77, 945-952	7.9	31
8	Numerical modelling of high temperature latent heat thermal storage for solar application combining with double-effect H <sub>2</sub> O/LiBr absorption refrigeration system. <i>Solar Energy</i> , <b>2014</b> , 110, 398-409	6.8	32
7	Thermal performance of a multiple PCM thermal storage unit for free cooling. <i>Energy Conversion and Management</i> , <b>2013</b> , 67, 1-7	10.6	133
6	Thermal performance optimization of free cooling systems using enhanced latent heat thermal storage unit. <i>Applied Thermal Engineering</i> , <b>2013</b> , 59, 473-479	5.8	31
5	Phase change material solidification in a finned cylindrical shell thermal energy storage: An approximate analytical approach. <i>Thermal Science</i> , <b>2013</b> , 17, 407-418	1.2	14
4	Analytical modeling of PCM solidification in a shell and tube finned thermal storage for air conditioning systems. <i>Energy and Buildings</i> , <b>2012</b> , 49, 356-361	7	113
3	Green's function solution for transient heat conduction in annular fin during solidification of phase change material. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2012</b> , 33, 1265-1274	3.2	1
2	Approximate analytical model for PCM solidification in a rectangular finned container with convective cooling boundaries. <i>International Communications in Heat and Mass Transfer</i> , <b>2012</b> , 39, 318-324	5.8	29
1	Analytical approximation for solidification processes in PCM storage with internal fins: imposed heat flux. <i>Heat and Mass Transfer</i> , <b>2011</b> , 47, 369-376	2.2	27