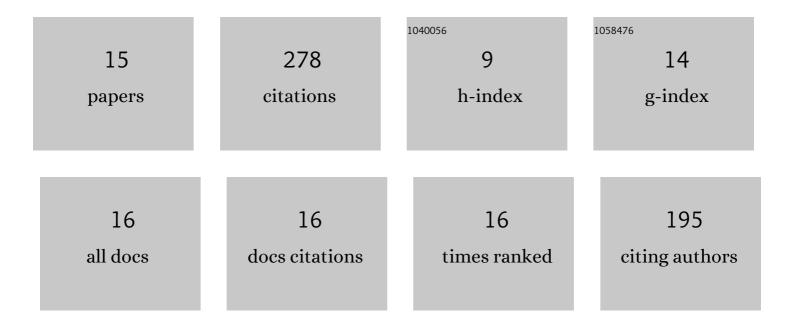
## Mostafa Mafi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6938497/publications.pdf Version: 2024-02-01



Μοςτλέλ Μλει

#	Article	IF	CITATIONS
1	Thermodynamic investigation and optimization of two novel combined power-refrigeration cycles using cryogenic LNG energy. International Journal of Refrigeration, 2021, 124, 167-183.	3.4	9
2	Variable flow and optimization of chiller loading effect on energy saving for screw vapor compression-single effect absorption hybrid chiller plant in hospital mechanical room ‒ case study: Tehran heart hospital. Mechanics and Industry, 2021, 22, 9.	1.3	0
3	Introducing a proper hydrogen liquefaction concept for using wasted heat of thermal power plants-case study: Parand gas power plant. Chinese Journal of Chemical Engineering, 2021, 40, 187-196.	3.5	6
4	A novel hydrogen liquefaction process based on LNG cold energy and mixed refrigerant cycle. International Journal of Refrigeration, 2021, 131, 263-274.	3.4	51
5	Normalized sensitivity analysis of LNG processes - Case studies: Cascade and single mixed refrigerant systems. Energy, 2019, 188, 116068.	8.8	10
6	Applying an integrated trigeneration incorporating hybrid energy systems for natural gas liquefaction. Energy, 2018, 149, 848-864.	8.8	45
7	A new method to boost performance of heat recovery steam generators by integrating pinch and exergy analyses. Advances in Mechanical Engineering, 2018, 10, 168781401877787.	1.6	6
8	Development of geothermal heat pumps by using environment friendly refrigerants. Journal of Renewable and Sustainable Energy, 2018, 10, 043901.	2.0	3
9	A novel approach for operational optimization of multi-stage refrigeration cycles in gas refineries. International Journal of Refrigeration, 2017, 80, 169-181.	3.4	10
10	Sensitivity analysis, economic optimization, and configuration design of mixed refrigerant cycles by NLP techniques. Journal of Natural Gas Science and Engineering, 2015, 24, 144-155.	4.4	28
11	Optimization of operation parameters of refrigeration cycle using particle swarm and NLP techniques. Journal of Natural Gas Science and Engineering, 2014, 21, 779-790.	4.4	29
12	Fracture analysis of a semi-elliptical crack in a nozzle–vessel junction under external loads. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 871-886.	2.1	3
13	Performance Evaluation of Al2O3/Water Nanofluid as Coolant in a Double-Tube Heat Exchanger Flowing under a Turbulent Flow Regime. Advances in Mechanical Engineering, 2012, 4, 891382.	1.6	12
14	Comparison of low temperature mixed refrigerant cycles for separation systems. International Journal of Energy Research, 2009, 33, 358-377.	4.5	12
15	Exergy analysis of multistage cascade low temperature refrigeration systems used in olefin plants. International Journal of Refrigeration, 2009, 32, 279-294.	3.4	54