

# Mohammad Mehdi Moftakhari Sharifza

## List of Publications by Year in descending order

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18  
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#	ARTICLE	IF	CITATIONS
1	Optimum design and exergy analysis of a novel cryogenic air separation process with LNG (liquefied) Tj ETQq1 1 0.784314 rgBT /Overlock 155	4.5	155
2	Model development and energy and exergy analysis of the biomass gasification process (Based on the) Tj ETQq0 0 0 rgBT /Overlock 10 T	8.25	108
3	Energy and exergy analyses of a novel power cycle using the cold of LNG (liquefied natural gas) and low-temperature solar energy. Energy, 2016, 95, 324-345.	4.5	107
4	A novel integration of oxy-fuel cycle, high temperature solar cycle and LNG cold recovery " energy and exergy analysis. Applied Thermal Engineering, 2017, 114, 1090-1104.	3.0	81
5	Modeling, energy and exergy analysis of solar chimney power plant-Tehran climate data case study. Energy, 2016, 115, 257-273.	4.5	64
6	Design of an integrated process for simultaneous chemical looping hydrogen production and electricity generation with CO 2 capture. International Journal of Hydrogen Energy, 2017, 42, 8486-8496.	3.8	64
7	Process development and exergy cost sensitivity analysis of a hybrid molten carbonate fuel cell power plant and carbon dioxide capturing process. Journal of Power Sources, 2017, 364, 299-315.	4.0	54
8	Thermodynamic analysis of integrated LNG regasification process configurations. Progress in Energy and Combustion Science, 2018, 69, 1-27.	15.8	53
9	Cost and economic potential analysis of a cascading power cycle with liquefied natural gas regasification. Energy Conversion and Management, 2018, 156, 68-83.	4.4	43
10	Conceptual and basic design of a novel integrated cogeneration power plant energy system. Energy, 2017, 127, 516-533.	4.5	39
11	Conventional and advanced exergoeconomic assessments of a new air separation unit integrated with a carbon dioxide electrical power cycle and a liquefied natural gas regasification unit. Energy Conversion and Management, 2018, 163, 151-168.	4.4	37
12	Investigation of a novel integrated process configuration for natural gas liquefaction and nitrogen removal by advanced exergoeconomic analysis. Applied Thermal Engineering, 2018, 128, 1249-1262.	3.0	37
13	Introducing a hybrid photovoltaic-thermal collector, ejector refrigeration cycle and phase change material storage energy system (Energy, exergy and economic analysis). International Journal of Refrigeration, 2019, 103, 61-76.	1.8	33
14	Evaluation of an optimal integrated design multi-fuel multi-product electrical power plant by energy and exergy analyses. Energy, 2019, 169, 61-78.	4.5	30
15	Time-dependent mathematical modeling of binary gas mixture in facilitated transport membranes (FTMs): A real condition for single-reaction mechanism. Journal of Industrial and Engineering Chemistry, 2016, 39, 48-65.	2.9	19
16	Rigorous modeling of gas permeation behavior in facilitated transport membranes (FTMs); evaluation of carrier saturation effects and double-reaction mechanism. , 2018, 8, 429-443.		16
17	A novel analytical method for prediction of gas permeation properties in ternary mixed matrix membranes: Considering an adsorption zone around the particles. Separation and Purification Technology, 2019, 225, 112-128.	3.9	14
18	A new permeation model in porous filler-based mixed matrix membranes for CO 2 separation. , 2019, 9, 719-742.		8