

# Mokhtar Bidi

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,369  
citations

448610

19  
h-index

466096

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1248  
citing authors

#	ARTICLE	IF	CITATIONS
1	New design for solar chimney with integrated windcatcher for space cooling and ventilation. Building and Environment, 2020, 181, 106785.	3.0	55
2	Analysis, economical and technical enhancement of an organic Rankine cycle recovering waste heat from an exhaust gas stream. Energy Science and Engineering, 2019, 7, 230-254.	1.9	28
3	Exergoeconomic comparison and optimization of organic Rankine cycle, trilateral Rankine cycle and transcritical carbon dioxide cycle for heat recovery of low-temperature geothermal water. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2019, 233, 1068-1084.	0.8	17
4	Exergy analysis of a hybrid solar-fossil fuel power plant. Energy Science and Engineering, 2019, 7, 146-161.	1.9	28
5	Design and exergy analysis of waste heat recovery system and gas engine for power generation in Tehran cement factory. Thermal Science and Engineering Progress, 2019, 9, 299-307.	1.3	65
6	Technical and economical evaluation of grid-connected renewable power generation system for a residential urban area. International Journal of Low-Carbon Technologies, 2019, 14, 10-22.	1.2	15
7	Exergetic sustainability evaluation and optimization of an irreversible Brayton cycle performance. Frontiers in Energy, 2019, 13, 399-410.	1.2	12
8	Experimental study on the cooling performance of solar-assisted natural ventilation in a large building in a warm and humid climate. Journal of Building Engineering, 2018, 19, 228-241.	1.6	27
9	Exergy and economic analyses of replacing feedwater heaters in a Rankine cycle with parabolic trough collectors. Energy Reports, 2018, 4, 243-251.	2.5	59
10	Numerical prediction of thermal and airflow conditions of a naturally ventilated atrium and validation of CFD models. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	13
11	Modeling and PSO optimization of Humidifier-Dehumidifier desalination. International Journal of Renewable Energy Development, 2018, 7, 59-64.	1.2	9
12	Multiobjective optimization design of the solar field and reverse osmosis system with preheating feed water using Genetic algorithm. Energy Science and Engineering, 2018, 6, 624-642.	1.9	11
13	Energy, Exergy analysis and optimization of solar thermal power plant with adding heat and water recovery system. Energy Conversion and Management, 2018, 171, 1639-1650.	4.4	23
14	Thermoeconomic analysis and multiobjective optimization of a combined gas turbine, steam, and organic Rankine cycle. Energy Science and Engineering, 2018, 6, 506-522.	1.9	57
15	Economic evaluation of different scenarios for gas turbine waste heat recovery to produce water and power. International Journal of Ambient Energy, 2017, 38, 727-734.	1.4	5
16	Thermodynamic Analysis and Comparison of Performances of Air Standard Atkinson, Otto, and Diesel Cycles with Heat Transfer Considerations. Heat Transfer - Asian Research, 2017, 46, 996-1028.	2.8	9
17	Exergy analysis of a hydrogen and water production process by a solar-driven transcritical CO <sub>2</sub> power cycle with Stirling engine. Journal of Cleaner Production, 2017, 158, 165-181.	4.6	107
18	Exergetic sustainability evaluation and multi-objective optimization of performance of an irreversible nanoscale Stirling refrigeration cycle operating with Maxwell-Boltzmann gas. Renewable and Sustainable Energy Reviews, 2017, 78, 80-92.	8.2	45

#	ARTICLE	IF	CITATIONS
19	Energy, exergy and economic analyses of a novel system to recover waste heat and water in steam power plants. <i>Energy Conversion and Management</i> , 2017, 144, 351-360.	4.4	78
20	Investigation and optimization of performance of nano-scale Stirling refrigerator using working fluid as Maxwell-Boltzmann gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 483, 337-350.	1.2	21
21	Thermodynamic and exergy analysis of a hydrogen and permeate water production process by a solar-driven transcritical CO <sub>2</sub> power cycle with liquefied natural gas heat sink. <i>Renewable Energy</i> , 2017, 113, 1215-1228.	4.3	83
22	Exergy analysis of a Combined Cooling, Heating and Power system integrated with wind turbine and compressed air energy storage system. <i>Energy Conversion and Management</i> , 2017, 131, 69-78.	4.4	208
23	Entransy analysis and optimization of performance of nano-scale irreversible Otto cycle operating with Maxwell-Boltzmann ideal gas. <i>Chemical Physics Letters</i> , 2016, 658, 293-302.	1.2	19
24	Thermodynamic analysis and optimization of a waste heat recovery system for proton exchange membrane fuel cell using transcritical carbon dioxide cycle and cold energy of liquefied natural gas. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 428-438.	2.1	85
25	Energy, exergy and environmental analyses of a combined cycle power plant under part-load conditions. <i>Mechanics and Industry</i> , 2016, 17, 610.	0.5	8
26	Multi-objective optimization and exergetic-sustainability of an irreversible nano scale Braysson cycle operating with Maxwell-Boltzmann gas. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 1785-1798.	3.4	23
27	Effects of tracking modes on the performance of a solar MED plant. <i>Desalination</i> , 2016, 380, 29-42.	4.0	20
28	Thermodynamic analysis and optimization for an irreversible heat pump working on reversed Brayton cycle. <i>Energy Conversion and Management</i> , 2016, 110, 260-267.	4.4	79
29	An applicable method for gas turbine efficiency improvement. Case study: Montazar Ghaem power plant, Iran. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 95-105.	2.1	20
30	Optimization of powered Stirling heat engine with finite speed thermodynamics. <i>Energy Conversion and Management</i> , 2016, 108, 96-105.	4.4	59
31	Exergy analysis and evolutionary optimization of boiler blowdown heat recovery in steam power plants. <i>Energy Conversion and Management</i> , 2015, 106, 1-9.	4.4	68
32	Thermoeconomic Analysis and Multiobjective Optimization of a Solar Desalination Plant. <i>Journal of Solar Energy</i> , 2014, 2014, 1-13.	0.8	13