

Somayeh Toghyani

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

416
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-objective optimization of Stirling engine using non-ideal adiabatic method. <i>Energy Conversion and Management</i> , 2014, 80, 54-62.	9.2	121
2	Thermodynamic analysis and optimization of an integrated Rankine power cycle and nano-fluid based parabolic trough solar collector. <i>Energy Conversion and Management</i> , 2016, 121, 93-104.	9.2	91
3	Multi-objective optimization of GPU3 Stirling engine using third order analysis. <i>Energy Conversion and Management</i> , 2014, 87, 521-529.	9.2	54
4	Exergetic and exergoeconomic evaluation of a trigeneration system based on natural gas-PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5327-5339.	7.1	53
5	Three-dimensional computational fluid dynamics modeling of proton exchange membrane electrolyzer with new flow field pattern. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1911-1919.	3.6	38
6	Thermodynamic analysis and optimization of the Atkinson engine by using NSGA-II. <i>International Journal of Low-Carbon Technologies</i> , 2016, 11, 317-324.	2.6	28
7	Multi-objective optimization in a finite time thermodynamic method for dish-Stirling by branch and bound method and MOPSO algorithm. <i>Frontiers in Energy</i> , 2020, 14, 649-665.	2.3	14
8	Enhancing the Specific Power of a PEM Fuel Cell Powered UAV with a Novel Bean-Shaped Flow Field. <i>Energies</i> , 2021, 14, 2494.	3.1	12
9	Enhancing and multi-objective optimising of the performance of Stirling engine using third-order thermodynamic analysis. <i>International Journal of Ambient Energy</i> , 2018, 39, 382-391.	2.5	5
10	Optimization of a Proposed Cooling Bed with Nanoparticles for Superheated Sheet-Metal Rolling. <i>Journal of Nanofluids</i> , 2022, 11, 563-571.	2.7	0