Wissam S Bou Nader

List of Publications by Year
in descending order

17	238	1039406 9	1058022 14
papers	citations	h-index	g-index

17	17	17	155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PEM fuel cell as an auxiliary power unit for range extended hybrid electric vehicles. Energy, 2022, 239, 121933.	4.5	44
2	Assessing additional fuel consumption from cabin thermal comfort and auxiliary needs on the worldwide harmonized light vehicles test cycle. Transportation Research, Part D: Transport and Environment, 2018, 62, 139-151.	3.2	36
3	Brayton cycles as waste heat recovery systems on series hybrid electric vehicles. Energy Conversion and Management, 2018, 168, 200-214.	4.4	30
4	Optimization of a Brayton external combustion gas-turbine system for extended range electric vehicles. Energy, 2018, 150, 745-758.	4.5	26
5	Combined cycle gas turbine system optimization for extended range electric vehicles. Energy Conversion and Management, 2020, 226, 113538.	4.4	16
6	Exergo-technological explicit methodology for gas-turbine system optimization of series hybrid electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2018, 232, 1323-1338.	1.1	15
7	Waste heat recovery from engine coolant on mild hybrid vehicle using organic Rankine cycle. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 2502-2517.	1.1	13
8	Thermoacoustic engine as waste heat recovery system on extended range hybrid electric vehicles. Energy Conversion and Management, 2020, 215, 112912.	4.4	12
9	Stirling system optimization for series hybrid electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 407-423.	1.1	11
10	Fuel consumption potential of different external combustion gas-turbine thermodynamic configurations for extended range electric vehicles. Energy, 2019, 175, 900-913.	4.5	10
11	Optimization of the thermodynamic configurations of a thermoacoustic engine auxiliary power unit for range extended hybrid electric vehicles. Energy, 2020, 195, 116952.	4.5	9
12	Fuel Consumption Saving Potential of Stirling Machine on Series Parallel Hybrid Electric Vehicle: Case of the Toyota Prius. , 0, , .		5
13	Design and simulation of turbogenerators for series hybrid electric vehicles. Energy Conversion and Management, 2021, 236, 114078.	4.4	5
14	Technological analysis and fuel consumption saving potential of different gas turbine thermodynamic configurations for series hybrid electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 1544-1562.	1.1	4
15	Dynamic Modeling and Fuel Consumption Potential of an Intercooled Regenerative Reheat Gas Turbine Auxiliary Power Unit on Series Hybrid Electric Vehicle. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	1.4	2
16	Study and test of a post combustion chamber for a recuperative reheat Stirling machine. Energy, 2022, 247, 123377.	4.5	0
17	Methodology for TurboGenerator Systems Optimization in Electrified Powertrains. Mechanisms and Machine Science, 2022, , 239-266.	0.3	0