

Mustafa Umut KaraoÄlan

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

163
citations

1478505

6
h-index

1720034

7
g-index

11
all docs

11
docs citations

11
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Architecture design and performance analysis of a hybrid hydrogen fuel cell system for unmanned aerial vehicle. International Journal of Hydrogen Energy, 2021, 46, 16453-16464.	7.1	41
2	The effect of gear ratios on the exhaust emissions and fuel consumption of a parallel hybrid vehicle powertrain. Journal of Cleaner Production, 2019, 210, 1033-1041.	9.3	39
3	Investigation of the effects of battery types and power management algorithms on drive cycle simulation for a range-extended electric vehicle powertrain. International Journal of Green Energy, 2019, 16, 1-11.	3.8	20
4	Semiempirical thermodynamic modeling of a direct methanol fuel cell system. International Journal of Energy Research, 2019, 43, 3601-3615.	4.5	19
5	Simulation of a hybrid vehicle powertrain having direct methanol fuel cell system through a semi-theoretical approach. International Journal of Hydrogen Energy, 2019, 44, 18981-18992.	7.1	19
6	Comparison of single-cell testing, short-stack testing and mathematical modeling methods for a direct methanol fuel cell. International Journal of Hydrogen Energy, 2021, 46, 4844-4856.	7.1	19
7	A review on fuel cell electric vehicle powertrain modeling and simulation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-37.	2.3	4
8	Determination of dynamic axle load using suspension deflection method for the load distribution optimisation of multi-axle vehicles. International Journal of Vehicle Design, 2019, 80, 89.	0.3	1
9	Drive cycle performance analysis for various powertrain alternatives of zero-emission battery electric military vehicles. International Journal of Global Warming, 2021, 25, 482.	0.5	1
10	A study on determination of component sizing capacity for range performance, cost and CO ₂ production of an extended-range electric vehicle. International Journal of Global Warming, 2021, 24, 326.	0.5	0
11	A Comparison of the Effects of Sodium Borohydride-Based Hydrogen Storage System and Compressed Hydrogen Storage Tank on the Fuel Cell Vehicle Performance. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	0