

Fernanda Cristina CorrÃªa

List of Publications by Year in descending order

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all docs

32
docs citations

32
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric Vehicle Powertrain and Fuzzy Control Multi-Objective Optimization, Considering Dual Hybrid Energy Storage Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3773-3782.	6.3	53
2	Energy storage and control optimization for an electric vehicle. International Journal of Energy Research, 2018, 42, 3506-3523.	4.5	47
3	Fuzzy gear shifting control optimisation to improve vehicle performance, fuel consumption and engine emissions. IET Control Theory and Applications, 2019, 13, 2658-2669.	2.1	38
4	Electric vehicle drivetrain optimisation. IET Electrical Systems in Transportation, 2017, 7, 32-40.	2.4	37
5	Optimization of electric propulsion system for a hybridized vehicle. Mechanics Based Design of Structures and Machines, 2019, 47, 175-200.	4.7	33
6	Vehicle gear shifting strategy optimization with respect to performance and fuel consumption. Mechanics Based Design of Structures and Machines, 2016, 44, 123-136.	4.7	31
7	Gear shifting multi-objective optimization to improve vehicle performance, fuel consumption, and engine emissions. Mechanics Based Design of Structures and Machines, 2018, 46, 238-253.	4.7	28
8	Air pollution epidemiology: A simplified Generalized Linear Model approach optimized by bio-inspired metaheuristics. Environmental Research, 2020, 191, 110106.	7.5	28
9	Energy management and gear shifting control for a hybridized vehicle to minimize gas emissions, energy consumption and battery aging. Energy Conversion and Management, 2021, 240, 114222.	9.2	24
10	Electric vehicle battery-ultracapacitor hybrid energy storage system and drivetrain optimization for a real-world urban driving scenario. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	19
11	Measurement of wheelchair contact force with a low cost bench test. Medical Engineering and Physics, 2016, 38, 163-170.	1.7	18
12	Co-simulation to evaluate acceleration performance and fuel consumption of hybrid vehicles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 53-66.	1.6	14
13	VEHICLE GEAR SHIFTING CO-SIMULATION TO OPTIMIZE PERFORMANCE AND FUEL CONSUMPTION IN THE BRAZILIAN STANDARD URBAN DRIVING CYCLE. , 0, , .		11
14	Computational and Experimental Analysis of Fuel Consumption of a Hybridized Vehicle. , 0, , .		9
15	A lateral dynamics of a wheelchair: identification and analysis of tire parameters. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 332-341.	1.6	9
16	Electric Vehicle Battery-Ultracapacitor Energy System Optimization. , 2017, , .		9
17	Study of Different Electric Vehicle Propulsion System Configurations. , 2015, , .		8
18	Design of an Aftermarket Hybridization Kit: Reducing Costs and Emissions Considering a Local Driving Cycle. Vehicles, 2020, 2, 210-235.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Fuel Consumption Reduction Based on the Optimization of the Vehicle Gear Shifting Strategy Considering New Gear Ratios. , 0, , .		7
20	A study of battery power for a different electric vehicle propulsion system. , 2015, , .		7
21	Parallel Hybrid Vehicle Power Management Co-Simulation. , 2014, , .		5
22	Economic and Energy Analysis of Hybridized Vehicle by Means of Experimental Mapping. , 2016, , .		3
23	A novel non-isolated high DC-DC voltage based on boost converter employing coupled inductor. , 2017, , .		3
24	Gear Shifting Strategy to Improve the Parallel Hybrid Vehicle Fuel Consumption. , 2015, , .		2
25	Genetic Algorithm and Poles-Placement: a Comparative Study on the Design of PD and PID Controllers Applied to a Quadrotor Flight Stabilization. , 2018, , .		2
26	AN INFLUENCE STUDY OF PARALLEL HYBRID VEHICLE PROPULSION SYSTEM CONFIGURATIONS. , 0, , .		2
27	Particle Swarm Optimization of a Fuzzy Controlled Hybrid Energy Storage System - HESS. , 2020, , .		2
28	Power Management Strategies for Hybrid Vehicles: A Comparative Study. Communications in Computer and Information Science, 2021, , 103-116.	0.5	0
29	A Small-Scale Dynamometer Roller Analysis by Laval Rotor Approach. Mechanisms and Machine Science, 2021, , 197-206.	0.5	0