

Donghai Hu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

240
citations

1307594

7
h-index

996975

15
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all docs

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docs citations

26
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing heat dissipation to improve efficiency of two-stage electric air compressor for fuel cell vehicle. <i>Energy Conversion and Management</i> , 2022, 251, 115007.	9.2	30
2	Heat Dissipation Enhancement Structure Design of Two-Stage Electric Air Compressor for Fuel Cell Vehicles Considering Efficiency Improvement. <i>Sustainability</i> , 2022, 14, 7259.	3.2	7
3	Optimised adaptive control methodology for mode transition of hybrid electric vehicle based on the dynamic characteristics analysis. <i>Vehicle System Dynamics</i> , 2021, 59, 1282-1303.	3.7	8
4	Instability mechanism and control of hybrid electric vehicle in initial hybrid driving mode. <i>International Journal of Energy Research</i> , 2021, 45, 5781-5794.	4.5	0
5	Optimal operation region of super-high-speed electrical air compressor in fuel cell system for working stability under multiple-time scale excitation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20054-20064.	7.1	10
6	Dynamic characteristic analysis for clutch engagement process of series-parallel hybrid electric vehicle. <i>Nonlinear Dynamics</i> , 2021, 105, 45-59.	5.2	2
7	Stability enhancement optimization method for suppressing speed fluctuation under large-scale speed regulation process of super-high-speed electric air compressor. <i>Nonlinear Dynamics</i> , 2021, 105, 1581-1592.	5.2	1
8	Optimization of speed response of super-high-speed electric air compressor for hydrogen fuel cell vehicle considering the transient current. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27183-27192.	7.1	16
9	Research on matching design method of waste heat reuse system of fuel cell vehicle considering system energy consumption and waste heat exchange rate. <i>International Journal of Energy Research</i> , 2021, 45, 5470-5485.	4.5	7
10	Investigation of optimal operating temperature for the PEMFC and its tracking control for energy saving in vehicle applications. <i>Energy Conversion and Management</i> , 2021, 249, 114842.	9.2	89
11	Torque distribution method based on vibration instability of PS-HEV transmission system. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020, 234, 3491-3503.	1.9	7
12	Research on the Damping Effect Mechanism and Optimization of Super-High-Speed Electric Air Compressors for Fuel Cell Vehicles Under the Stiffness Softening Effect. <i>IEEE Access</i> , 2020, 8, 179789-179797.	4.2	2
13	Optimization of operating domain for generator set in series hybrid electric bus with power follower control strategy. <i>AIP Advances</i> , 2019, 9, .	1.3	5
14	Optimization methodology for coasting operating point of high-speed train for reducing power consumption. <i>Journal of Cleaner Production</i> , 2019, 212, 438-446.	9.3	9
15	Energy saving optimal design and control of electromagnetic brake on passenger car. <i>Mechanical Sciences</i> , 2019, 10, 57-70.	1.0	3
16	Optimization methodology for control strategy of parallel hybrid electric vehicle based on chaos prediction. <i>AIP Advances</i> , 2018, 8, 115305.	1.3	8
17	Heat dissipation performance of electric vehicle cabin under natural wind cooling. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401880381.	1.6	0
18	Determination methodology for stable control domain of electric powertrain based on permanent magnet synchronous motor. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401879305.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Design and research on the function of lithium-ion batteries emergency traction system for rail vehicles. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401881229.	1.6	3
20	Probing the thermal runaway triggering process within a lithium-ion battery cell with local heating. <i>AIP Advances</i> , 2018, 8, 105323.	1.3	6
21	Optimization methodology for control parameter of PI based on chaos prediction of electric powertrain. <i>AIP Advances</i> , 2018, 8, 095115.	1.3	5
22	Heat dissipation analysis of double-layer battery pack under coupling heat transfer of air, liquid, and solid. <i>International Journal of Energy Research</i> , 2018, 42, 4840-4852.	4.5	5
23	Dynamics analysis of the hybrid powertrain under multi-frequency excitations with two time scales. <i>AIP Advances</i> , 2018, 8, 065212.	1.3	7
24	Analysis of Heat Dissipation Performance between a Horizontal and Longitudinal Battery Pack Based on Forced Air Cooling. <i>Heat Transfer - Asian Research</i> , 2017, 46, 778-792.	2.8	1
25	Physical Mechanism of Eddy Current Demagnetizing Effect for Eddy Current Brake. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 6810-6822.	0.4	0
26	Nonlinear Coupling Characteristics Analysis of Integrated System of Electromagnetic Brake and Frictional Brake of Car. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-14.	1.1	4