

Donghai Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4972600/publications.pdf>

Version: 2024-02-01

26
papers

240
citations

1307594

7
h-index

996975

15
g-index

26
all docs

26
docs citations

26
times ranked

114
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Optimization methodology for control strategy of parallel hybrid electric vehicle based on chaos prediction. <i>AIP Advances</i> , 2018, 8, 115305. | 1.3 | 8 |
| 7 | 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 |
| 8 | Dynamics analysis of the hybrid powertrain under multi-frequency excitations with two time scales. <i>AIP Advances</i> , 2018, 8, 065212. | 1.3 | 7 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Optimization methodology for control parameter of PI based on chaos prediction of electric powertrain. <i>AIP Advances</i> , 2018, 8, 095115. | 1.3 | 5 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Energy saving optimal design and control of electromagnetic brake on passenger car. Mechanical Sciences, 2019, 10, 57-70. | 1.0 | 3 |
| 20 | Research on the Damping Effect Mechanism and Optimization of Super-High-Speed Electric Air Compressors for Fuel Cell Vehicles Under the Stiffness Softening Effect. IEEE Access, 2020, 8, 179789-179797. | 4.2 | 2 |
| 21 | Dynamic characteristic analysis for clutch engagement process of series-parallel hybrid electric vehicle. Nonlinear Dynamics, 2021, 105, 45-59. | 5.2 | 2 |
| 22 | Analysis of Heat Dissipation Performance between a Horizontal and Longitudinal Battery Pack Based on Forced Air Cooling. Heat Transfer - Asian Research, 2017, 46, 778-792. | 2.8 | 1 |
| 23 | Stability enhancement optimization method for suppressing speed fluctuation under large-scale speed regulation process of super-high-speed electric air compressor. Nonlinear Dynamics, 2021, 105, 1581-1592. | 5.2 | 1 |
| 24 | Heat dissipation performance of electric vehicle cabin under natural wind cooling. Advances in Mechanical Engineering, 2018, 10, 168781401880381. | 1.6 | 0 |
| 25 | Instability mechanism and control of hybrid electric vehicle in initial hybrid driving mode. International Journal of Energy Research, 2021, 45, 5781-5794. | 4.5 | 0 |
| 26 | Physical Mechanism of Eddy Current Demagnetizing Effect for Eddy Current Brake. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6810-6822. | 0.4 | 0 |