

Jiqing Chen

List of Publications by Year in descending order

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29
papers

437
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1477746

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344
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Numerical study on the injury mechanism of blunt aortic rupture of the occupant in frontal and side-impact. <i>International Journal of Crashworthiness</i> , 2023, 28, 270-279. | 1.1 | 1 |
| 2 | Temperature–Humidity Coupled Analysis in Battery Pack Based on Airflow Characteristics of Waterproof Breathable Valve. <i>Journal of Thermal Science and Engineering Applications</i> , 2022, 14, . | 0.8 | 1 |
| 3 | A review of proton exchange membrane fuel cell water management: Membrane electrode assembly. <i>Journal of Power Sources</i> , 2022, 517, 230723. | 4.0 | 82 |
| 4 | Intelligent vehicle visual pose estimation algorithm based on deep learning and parallel computing for dynamic scenes. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 42, 5199-5213. | 0.8 | 2 |
| 5 | Numerical Projection on Occupant Thermal Comfort via Dynamic Responses to Human Thermoregulation. <i>International Journal of Automotive Technology</i> , 2022, 23, 193-203. | 0.7 | 6 |
| 6 | Vector-angle geometric mapping-based directional importance sampling method for reliability analysis. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, 1. | 1.7 | 0 |
| 7 | A review of proton exchange membrane fuel cell's bipolar plate design and fabrication process. <i>Journal of Power Sources</i> , 2022, 538, 231543. | 4.0 | 39 |
| 8 | Environmental conditions driven method for automobile cabin pre-conditioning with multi-satisfaction objectives. <i>PLoS ONE</i> , 2022, 17, e0266672. | 1.1 | 1 |
| 9 | Temperature and Humidity Characteristics Analysis with Heat and Mass Transfer Mechanism in the Power Battery Pack. , 2022, , . | | 0 |
| 10 | Effectiveness of Heat Insulation and Heat Dissipation for Mitigating Thermal Runaway Propagation in Lithium-Ion Battery Module. , 2022, , . | | 0 |
| 11 | Human-Like Trajectory Planning for Autonomous Vehicles Based on Spatiotemporal Geometric Transformation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 20160-20176. | 4.7 | 2 |
| 12 | EFFECT OF STEERING WHEEL HEIGHT AND INCLINATION ANGLE ON BLUNT CARDIAC INJURY DURING THE THORAX-TO-STEERING WHEEL IMPACT. <i>Journal of Mechanics in Medicine and Biology</i> , 2021, 21, 2150013. | 0.3 | 1 |
| 13 | Constitutive Behavior and Mechanical Failure of Internal Configuration in Prismatic Lithium-Ion Batteries under Mechanical Loading. <i>Energies</i> , 2021, 14, 1219. | 1.6 | 8 |
| 14 | Online Parameters and State of Charge Co-estimation of Lithium-Ion Battery in Varying Temperature Using Joint Extended Kalman Filter. <i>Journal of Physics: Conference Series</i> , 2021, 2026, 012055. | 0.3 | 0 |
| 15 | Motion Control of Autonomous Vehicles with Guaranteed Prescribed Performance. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 1510-1517. | 1.6 | 5 |
| 16 | Differential Distribution Analysis and Region and Grade Regulation on Auto-Parts Weathering External Factors with Non-Uniform Thermal Environment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5116. | 1.3 | 1 |
| 17 | Methodology of hierarchical collision avoidance for high-speed self-driving vehicle based on motion-decoupled extraction of scenarios. <i>IET Intelligent Transport Systems</i> , 2020, 14, 172-181. | 1.7 | 8 |
| 18 | Enhanced online model identification and state of charge estimation for lithium-ion battery under noise corrupted measurements by bias compensation recursive least squares. <i>Journal of Power Sources</i> , 2020, 456, 227984. | 4.0 | 59 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Thoracic response of the Chinese human body model in 50th percentile male size (CHUBM-M50) in blunt impacts—An investigation in speed, direction and location. <i>International Journal of Crashworthiness</i> , 2019, 24, 71-85. | 1.1 | 1 |
| 20 | Joints Parameters Identification in Numerical Modeling of Structural Dynamics. <i>Shock and Vibration</i> , 2018, 2018, 1-11. | 0.3 | 3 |
| 21 | Uncertainty Optimization Design of a Vehicle Body Structure Considering Random Deviations. <i>Automotive Innovation</i> , 2018, 1, 342-351. | 3.1 | 2 |
| 22 | Dynamic thermal characteristics of heat pipe via segmented thermal resistance model for electric vehicle battery cooling. <i>Journal of Power Sources</i> , 2016, 321, 57-70. | 4.0 | 144 |
| 23 | BIOMECHANICAL RESPONSE AND INJURY OF OCCUPANT'S PELVIS IN SIDE IMPACTS: EFFECTS OF THE FEMORAL HEAD AND LOADING CONDITIONS. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1440001. | 0.3 | 3 |
| 24 | A numerical simulation of combined radiation and natural convection heat transfer in a square enclosure heated by a centric circular cylinder. <i>Heat and Mass Transfer</i> , 2013, 49, 233-246. | 1.2 | 6 |
| 25 | Energy management strategy research and performance simulation for electric vehicles based on dual-energy storage system. , 2013, , . | | 2 |
| 26 | Numerical study on the influence of superstructure configuration on coach rollover resistance performance. <i>International Journal of Crashworthiness</i> , 2012, 17, 637-654. | 1.1 | 11 |
| 27 | Crashworthiness research on S-shaped front rails made of steel—aluminum hybrid materials. <i>Thin-Walled Structures</i> , 2011, 49, 291-297. | 2.7 | 45 |
| 28 | Notice of Retraction: Influence of tooling geometric parameters on clinching joint properties for steel-aluminum hybrid car-body structures. , 2010, , . | | 3 |
| 29 | Notice of Retraction: Bus skeleton lightweight design based on reduced model and mixed variables optimization. , 2010, , . | | 1 |