

# Jiqing Chen

## List of Publications by Year in descending order

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29  
papers

437  
citations

1477746

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h-index

752256

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g-index

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29  
docs citations

29  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Notice of Retraction: Influence of tooling geometric parameters on clinching joint properties for steel-aluminum hybrid car-body structures. , 2010, , .		3
13	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
14	Joints Parameters Identification in Numerical Modeling of Structural Dynamics. <i>Shock and Vibration</i> , 2018, 2018, 1-11.	0.3	3
15	Energy management strategy research and performance simulation for electric vehicles based on dual-energy storage system. , 2013, , .		2
16	Uncertainty Optimization Design of a Vehicle Body Structure Considering Random Deviations. <i>Automotive Innovation</i> , 2018, 1, 342-351.	3.1	2
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Notice of Retraction: Bus skeleton lightweight design based on reduced model and mixed variables optimization. , 2010, , .		1
20	Thoracic response of the Chinese human body model in 50th percentile male size (CHUBM-M50) in blunt impacts—Investigation in speed, direction and location. International Journal of Crashworthiness, 2019, 24, 71-85.	1.1	1
21	Differential Distribution Analysis and Region and Grade Regulation on Auto-Parts Weathering External Factors with Non-Uniform Thermal Environment. Applied Sciences (Switzerland), 2020, 10, 5116.	1.3	1
22	EFFECT OF STEERING WHEEL HEIGHT AND INCLINATION ANGLE ON BLUNT CARDIAC INJURY DURING THE THORAX-TO-STEERING WHEEL IMPACT. Journal of Mechanics in Medicine and Biology, 2021, 21, 2150013.	0.3	1
23	Temperature—Humidity Coupled Analysis in Battery Pack Based on Airflow Characteristics of Waterproof Breathable Valve. Journal of Thermal Science and Engineering Applications, 2022, 14, .	0.8	1
24	Environmental conditions driven method for automobile cabin pre-conditioning with multi-satisfaction objectives. PLoS ONE, 2022, 17, e0266672.	1.1	1
25	Numerical study on the injury mechanism of blunt aortic rupture of the occupant in frontal and side-impact. International Journal of Crashworthiness, 2023, 28, 270-279.	1.1	1
26	Online Parameters and State of Charge Co-estimation of Lithium-Ion Battery in Varying Temperature Using Joint Extended Kalman Filter. Journal of Physics: Conference Series, 2021, 2026, 012055.	0.3	0
27	Vector-angle geometric mapping-based directional importance sampling method for reliability analysis. Structural and Multidisciplinary Optimization, 2022, 65, 1.	1.7	0
28	Temperature and Humidity Characteristics Analysis with Heat and Mass Transfer Mechanism in the Power Battery Pack. , 2022, , .		0
29	Effectiveness of Heat Insulation and Heat Dissipation for Mitigating Thermal Runaway Propagation in Lithium-Ion Battery Module. , 2022, , .		0