

Yiping Wang

List of Publications by Year in descending order

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papers

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623574

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33
all docs

33
docs citations

33
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on characteristics of thermoelectric generator with integrated muffler and catalytic converter. Energy Reports, 2022, 8, 510-519.	2.5	3
2	Effects of purifiers on the airborne transmission of droplets inside a bus. Physics of Fluids, 2022, 34, 017108.	1.6	20
3	Coupling analysis of transient aerodynamic and dynamic response of articulated heavy vehicles under crosswinds. Physics of Fluids, 2022, 34, .	1.6	5
4	Adaptive Authority Allocation Approach for Shared Steering Control System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19428-19439.	4.7	11
5	Numerical Investigation on the Droplet Dispersion inside a Bus and the Infection Risk Prediction. Applied Sciences (Switzerland), 2022, 12, 5909.	1.3	4
6	Dynamic coupling analysis of the aerodynamic performance of a sedan passing by the bridge pylon in a crosswind. Applied Mathematical Modelling, 2021, 89, 1279-1293.	2.2	19
7	Numerical investigation on the temperature distribution inside the engine compartment of a fuel cell vehicle with nanofluids as coolant. International Journal of Energy Research, 2021, 45, 9613-9626.	2.2	6
8	Numerical investigation on the contribution of underbody flow-induced noise on vehicle interior noise. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 2667-2678.	1.1	2
9	Modeling of Human Skin by the Use of Deep Learning. Complexity, 2021, 2021, 1-11.	0.9	3
10	Shared steering control for human-machine co-driving system with multiple factors. Applied Mathematical Modelling, 2021, 100, 471-490.	2.2	16
11	Experimental investigation of the thermal performance of a radiator using various nanofluids for automotive PEMFC applications. International Journal of Energy Research, 2021, 45, 6831-6849.	2.2	24
12	Thermohydraulic performance improvement and entropy generation characteristics of a microchannel heat sink cooled with new hybrid nanofluids containing ternary/binary hybrid nanocomposites. Energy Science and Engineering, 2021, 9, 2493-2513.	1.9	19
13	Numerical investigation on aerodynamic performance and stability of a sedan under wind-bridge-tunnel road condition. AEJ - Alexandria Engineering Journal, 2020, 59, 3963-3980.	3.4	16
14	Coupling analysis of transient aerodynamic and dynamic response of cars in overtaking under crosswinds. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 1215-1227.	1.5	6
15	Liquid cooling techniques in proton exchange membrane fuel cell stacks: A detailed survey. AEJ - Alexandria Engineering Journal, 2020, 59, 635-655.	3.4	87
16	Thermal Management System Modeling and Simulation of a Full-Powered Fuel Cell Vehicle. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	1.4	25
17	Combined Numerical and Experimental Investigation on the Optimum Coolant Flow Rate for Automotive Thermoelectric Generators. Journal of Electronic Materials, 2019, 48, 1981-1990.	1.0	5
18	Numerical and Experimental Investigation on the Performance of a Thermoelectric Cooling Automotive Seat. Journal of Electronic Materials, 2018, 47, 3218-3229.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Numerical Investigation on the Performance of an Automotive Thermoelectric Generator with Exhaust-Module-Coolant Direct Contact. Journal of Electronic Materials, 2018, 47, 3330-3337.	1.0	1
20	Performance evaluation of an automotive thermoelectric generator with inserted fins or dimpled-surface hot heat exchanger. Applied Energy, 2018, 218, 391-401.	5.1	115
21	The Influence of the Inner Topology of Cooling Units on the Performance of Automotive Exhaust-Based Thermoelectric Generators. Journal of Electronic Materials, 2018, 47, 3320-3329.	1.0	8
22	Numerical investigation for the influence of the car underbody on aerodynamic force and flow structure evolution in crosswind. Advances in Mechanical Engineering, 2018, 10, 168781401879750.	0.8	6
23	Reduction in the aerodynamic drag around a generic vehicle by using a non-smooth surface. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 130-144.	1.1	26
24	Optimization of Heat Exchangers with Dimpled Surfaces to Improve the Performance in Thermoelectric Generators Using a Kriging Model. Journal of Electronic Materials, 2017, 46, 3062-3070.	1.0	13
25	Effect of Cooling Units on the Performance of an Automotive Exhaust-Based Thermoelectric Generator. Journal of Electronic Materials, 2017, 46, 2822-2831.	1.0	7
26	Numerical investigation of the passive control of cavity flow oscillations by a dimpled non-smooth surface. Applied Acoustics, 2016, 111, 16-24.	1.7	17
27	Multi-objective optimization of heat exchanger in an automotive exhaust thermoelectric generator. Applied Thermal Engineering, 2016, 108, 916-926.	3.0	55
28	The influence of inner topology of exhaust heat exchanger and thermoelectric module distribution on the performance of automotive thermoelectric generator. Energy Conversion and Management, 2016, 126, 266-277.	4.4	87
29	Numerical investigation on the performance of an automotive thermoelectric generator integrated with a three-way catalytic converter. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	10
30	Experimental Investigation of a Temperature-Controlled Car Seat Powered by an Exhaust Thermoelectric Generator. Journal of Electronic Materials, 2016, 45, 1529-1539.	1.0	8
31	Numerical and Experimental Investigation for Heat Transfer Enhancement by Dimpled Surface Heat Exchanger in Thermoelectric Generator. Journal of Electronic Materials, 2016, 45, 1792-1802.	1.0	40
32	Optimization of Fin Distribution to Improve the Temperature Uniformity of a Heat Exchanger in a Thermoelectric Generator. Journal of Electronic Materials, 2015, 44, 1724-1732.	1.0	41