

Wei Tang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

309
citations

1040056

9
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Dissipation Analysis on the Liquid Cooling System Coupled with a Flat Heat Pipe of a Lithium-Ion Battery. ACS Omega, 2020, 5, 17431-17441.	3.5	50
2	Heat dissipation analysis of different flow path for parallel liquid cooling battery thermal management system. International Journal of Energy Research, 2020, 44, 5165-5176.	4.5	48
3	Research on heat dissipation performance and flow characteristics of air-cooled battery pack. International Journal of Energy Research, 2018, 42, 3658-3671.	4.5	40
4	Plate flat heat pipe and liquid-cooled coupled multistage heat dissipation system of Li-ion battery. International Journal of Energy Research, 2019, 43, 1133-1141.	4.5	31
5	Effect of coupling phase change materials and heat pipe on performance enhancement of Li-ion battery thermal management system. International Journal of Energy Research, 2021, 45, 5399-5411.	4.5	16
6	Battery module thermal management based on liquid cold plate with heat transfer enhanced fin. International Journal of Energy Research, 2019, 43, 4312-4321.	4.5	13
7	Research on battery liquid-cooled system based on the parallel connection of cold plates. Journal of Renewable and Sustainable Energy, 2020, 12, .	2.0	11
8	Numerical investigation into the effect of serpentine flow channel with a variable cross-section on the performance of proton exchange membrane fuel cell. International Journal of Energy Research, 2021, 45, 7719-7731.	4.5	11
9	Study the heat dissipation performance of lithium-ion battery liquid cooling system based on flat heat pipe. Fire and Materials, 2022, 46, 168-180.	2.0	10
10	Synergy analysis on the heat dissipation performance of a battery pack under air cooling. Ionics, 2020, 26, 5575-5584.	2.4	9
11	Simulation analysis of the influence of internal surface morphology of mini-channel on battery thermal management. International Journal of Energy Research, 2020, 44, 8854-8864.	4.5	9
12	Research on influencing factors of heat transfer enhancement fins in fuel cell cooling channel. Ionics, 2021, 27, 743-757.	2.4	9
13	Dynamics analysis of the hybrid powertrain under multi-frequency excitations with two time scales. AIP Advances, 2018, 8, 065212.	1.3	7
14	Comparative analysis of thermal runaway characteristics of lithium-ion battery under oven test and local high temperature. Fire and Materials, 2022, 46, 397-409.	2.0	7
15	Numerical Study on the Inhibition Control of Lithium-Ion Battery Thermal Runaway. ACS Omega, 2020, 5, 18254-18261.	3.5	6
16	Determination methodology for stable control domain of electric powertrain based on permanent magnet synchronous motor. Advances in Mechanical Engineering, 2018, 10, 168781401879305.	1.6	5
17	Heat dissipation analysis of double-layer battery pack under coupling heat transfer of air, liquid, and solid. International Journal of Energy Research, 2018, 42, 4840-4852.	4.5	5
18	Heat dissipation performance of electric vehicle battery liquid cooling system with double-inlet and double-outlet channels. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	4

#	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	Numerical study on the performance of fuel cell with wavy flow field plate. <i>Ionics</i> , 2020, 26, 6245-6253.	2.4	3
21	Simulation study of proton exchange membrane fuel cell cross-convection self-humidifying flow channel. <i>International Journal of Energy Research</i> , 2021, 45, 4036-4047.	4.5	3
22	Numerical Investigation Into the Effect of Structural Parameters of Parallel Flow Field With Cooling Channels on Fuel Cell Performance. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2022, 19, .	2.1	3
23	Numerical analysis of wave-shaped flow field plate for proton-exchange membrane fuel cell. <i>International Journal of Energy Research</i> , 2021, 45, 6689-6697.	4.5	3
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	Multi-angle study of the effects of different wave flow field plates on fuel cell performance. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150062.	2.0	1
26	Heat dissipation performance of electric vehicle cabin under natural wind cooling. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401880381.	1.6	0