

Xiaoyu Ju

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

268
citations

1040056

9
h-index

940533

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all docs

16
docs citations

16
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive investigation on the thermal and toxic hazards of large format lithium-ion batteries with LiFePO ₄ cathode. <i>Journal of Hazardous Materials</i> , 2020, 381, 120916.	12.4	88
2	Downstream radiative and convective heating from methane and propane fires with cross wind. <i>Combustion and Flame</i> , 2019, 204, 1-12.	5.2	35
3	A comprehensive study on the impact of heating position on thermal runaway of prismatic lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 520, 230919.	7.8	28
4	Experimental study on burning behaviors of photovoltaic panels with different coverings using a cone calorimeter. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	19
5	Experimental study on the diffusion burning and radiative heat delivery of two adjacent heptane pool fires. <i>International Journal of Thermal Sciences</i> , 2022, 171, 107246.	4.9	15
6	Effect of orientation on the burning and flame characteristics of PMMA slabs under different pressure environments. <i>Applied Thermal Engineering</i> , 2019, 156, 619-626.	6.0	14
7	Impact of flat roof“integrated solar photovoltaic installation mode on building fire safety. <i>Fire and Materials</i> , 2019, 43, 936-948.	2.0	11
8	Experimental study on fire hazard of LiCoO ₂ -based lithium-ion batteries with gel electrolyte using a cone calorimeter. <i>Journal of Energy Storage</i> , 2020, 32, 101884.	8.1	11
9	Experimental study on fire behaviors of flexible photovoltaic panels using a cone calorimeter. <i>Journal of Fire Sciences</i> , 2018, 36, 63-77.	2.0	9
10	Flame attachment and downstream heating effect of inclined line fires. <i>Combustion and Flame</i> , 2022, 240, 112004.	5.2	9
11	Experimental study on the effect of pool fire area and violent fuel boiling on fuel burning state evolution in compartment fire. <i>Fuel</i> , 2021, 284, 118933.	6.4	7
12	Correlation analysis of heat flux and fire behaviour and hazards of polycrystalline silicon photovoltaic panels. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 201, 012036.	0.6	6
13	Experimental Study on Thermal Runaway Process of 18650 Lithium-Ion Battery under Different Discharge Currents. <i>Materials</i> , 2021, 14, 4740.	2.9	6
14	Effect of freestream turbulence on the structure of boundary-layer flames. <i>Combustion and Flame</i> , 2022, 236, 111750.	5.2	5
15	Scale model experiments of fire whirls over the non-fuel zone around an L-shaped fire source. <i>Combustion and Flame</i> , 2022, 238, 111930.	5.2	4
16	Effect of single-layer metal wire mesh insertion on the burning behavior of laminar coflow propane/air diffusion flames. <i>Combustion and Flame</i> , 2021, 234, 111612.	5.2	1