

# Ao Li

## List of Publications by Year in descending order

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19  
papers

1,015  
citations

623574

14  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface decoration of exfoliated MXene ultra-thin nanosheets for fire and smoke suppressions of thermoplastic polyurethane elastomer. <i>Journal of Hazardous Materials</i> , 2019, 374, 110-119.	6.5	301
2	MXene/chitosan nanocoating for flexible polyurethane foam towards remarkable fire hazards reductions. <i>Journal of Hazardous Materials</i> , 2020, 381, 120952.	6.5	174
3	Recent progress in bio-based aerogel absorbents for oil/water separation. <i>Cellulose</i> , 2019, 26, 6449-6476.	2.4	102
4	Functionalization of MXene Nanosheets for Polystyrene towards High Thermal Stability and Flame Retardant Properties. <i>Polymers</i> , 2019, 11, 976.	2.0	93
5	A Review on Lithium-Ion Battery Separators towards Enhanced Safety Performances and Modelling Approaches. <i>Molecules</i> , 2021, 26, 478.	1.7	49
6	Novel 3D Network Architected Hybrid Aerogel Comprising Epoxy, Graphene, and Hydroxylated Boron Nitride Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40032-40043.	4.0	45
7	Numerical study of primary steam superheating effects on steam ejector flow and its pumping performance. <i>Energy</i> , 2014, 78, 205-211.	4.5	43
8	Pectin-assisted dispersion of exfoliated boron nitride nanosheets for assembled bio-composite aerogels. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 119, 196-205.	3.8	29
9	Evaluating the fire risk associated with cladding panels: An overview of fire incidents, policies, and future perspective in fire standards. <i>Fire and Materials</i> , 2021, 45, 663-689.	0.9	27
10	Characterization of choking flow behaviors inside steam ejectors based on the ejector refrigeration system. <i>International Journal of Refrigeration</i> , 2020, 113, 296-307.	1.8	26
11	Integration of Computational Fluid Dynamics and Artificial Neural Network for Optimization Design of Battery Thermal Management System. <i>Batteries</i> , 2022, 8, 69.	2.1	26
12	Numerical investigation on the thermal management of lithium-ion battery system and cooling effect optimization. <i>Applied Thermal Engineering</i> , 2022, 215, 118966.	3.0	25
13	Natural Ventilated Smoke Control Simulation Case Study Using Different Settings of Smoke Vents and Curtains in a Large Atrium. <i>Fire</i> , 2019, 2, 7.	1.2	20
14	Computational Study of Wet Steam Flow to Optimize Steam Ejector Efficiency for Potential Fire Suppression Application. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1486.	1.3	18
15	Developing a solid decomposition kinetics extraction framework for detailed chemistry pyrolysis and combustion modelling of building polymer composites. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 163, 105500.	2.6	13
16	Numerical investigation of expandable graphite suppression on metal-based fire. <i>Heat and Mass Transfer</i> , 2022, 58, 65-81.	1.2	9
17	Numerical study on the effect of superheat on the steam ejector internal flow and entropy generation for MED-TVC desalination system. <i>Desalination</i> , 2022, 537, 115874.	4.0	7
18	Numerical assessment of LES subgrid-scale turbulence models for expandable particles in fire suppression. <i>Experimental and Computational Multiphase Flow</i> , 2023, 5, 99-110.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Numerical modeling of wet steam infused fluid mixture for potential fire suppression applications. Experimental and Computational Multiphase Flow, 2023, 5, 142-148.	1.9	3