

# Jinhua Sun

## List of Publications by Year in descending order

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238  
papers

12,558  
citations

36303

51  
h-index

33894

99  
g-index

242  
all docs

242  
docs citations

242  
times ranked

6681  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion characteristics of <sc>PMMA</sc> sheets with different equivalent diameters in still air. <i>Fire and Materials</i> , 2022, 46, 780-788.	2.0	1
2	A collaborative emergency decision making approach based on BWM and TODIM under interval 2-tuple linguistic environment. <i>International Journal of Machine Learning and Cybernetics</i> , 2022, 13, 383-405.	3.6	10
3	Effects of nitrogen addition on the shock-induced ignition of high-pressure hydrogen release through a rectangular tube of 400Åmm in length. <i>Fuel</i> , 2022, 308, 122016.	6.4	7
4	The efficiency and toxicity of dodecafluoro-2-methylpentan-3-one in suppressing lithium-ion battery fire. <i>Journal of Energy Chemistry</i> , 2022, 65, 532-540.	12.9	31
5	Experimental investigation on intermittent spray cooling and toxic hazards of lithium-ion battery thermal runaway. <i>Energy Conversion and Management</i> , 2022, 252, 115091.	9.2	36
6	Numerical simulation on the spontaneous ignition of high-pressure hydrogen release through a tube at different burst pressures. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 10431-10440.	7.1	9
7	In-depth study on diffusion of oxygen vacancies in Li(NixCoyMnz)O2 cathode materials under thermal induction. <i>Energy Storage Materials</i> , 2022, 47, 51-60.	18.0	35
8	Effects of CO addition on shock wave propagation, self-ignition, and flame development of high-pressure hydrogen release into air. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 14714-14724.	7.1	9
9	Heat generation and thermal runaway of lithium-ion battery induced by slight overcharging cycling. <i>Journal of Power Sources</i> , 2022, 526, 231136.	7.8	36
10	The thermal runaway analysis on LiFePO4 electrical energy storage packs with different venting areas and void volumes. <i>Applied Energy</i> , 2022, 313, 118767.	10.1	27
11	Thermal runaway propagation in large format lithium ion battery modules under inclined ceilings. <i>Journal of Energy Storage</i> , 2022, 51, 104477.	8.1	14
12	Mechanism of self-ignition and flame propagation during high-pressure hydrogen release through a rectangular tube. <i>Chemical Engineering Research and Design</i> , 2022, 164, 283-290.	5.6	8
13	A dynamic interaction assessment method for disaster management based on extended DEMATEL. , 2022, 2, 1-10.		1
14	Design of ultrasensitive gas sensor based on self-assembled Pd-SnO2/rGO porous ternary nanocomposites for ppb-level hydrogen. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132280.	7.8	25
15	Experimental investigation of water spray on suppressing lithium-ion battery fires. <i>Fire Safety Journal</i> , 2021, 120, 103117.	3.1	42
16	Precise in-situ and ex-situ study on thermal behavior of LiNi1/3Co1/3Mn1/3O2/graphite coin cell: From part to the whole cell. <i>Journal of Energy Chemistry</i> , 2021, 54, 332-341.	12.9	27
17	Investigation of the thermal performance in lithium-ion cells during polyformaldehyde nail penetration. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 3255-3268.	3.6	11
18	Numerical study of premixed flame dynamics in a closed tube: Effect of wall boundary condition. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2075-2082.	3.9	32

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19	Experimental and modeling analysis of jet flow and fire dynamics of 18650-type lithium-ion battery. Applied Energy, 2021, 281, 116054.	10.1	66
20	Effect of ignition position on premixed hydrogen-air flame quenching behaviors under action of metal wire mesh. Fuel, 2021, 289, 119750.	6.4	13
21	Transition-metal redox evolution and its effect on thermal stability of LiNi Co Mn O <sub>2</sub> based on synchrotron soft X-ray absorption spectroscopy. Journal of Energy Chemistry, 2021, 59, 446-454.	12.9	26
22	Upward Flame Spread Over an Array of Discrete Thermally-Thin PMMA Plates. Fire Technology, 2021, 57, 1381-1399.	3.0	11
23	Experimental Study on Pyrolysis Kinetics and Thermal Stability of Li(Ni <sup>1/3</sup> Co <sup>1/3</sup> Mn <sup>1/3</sup> )O <sub>2</sub> Cathode Material at Different State of Charge. Journal of the Electrochemical Society, 2021, 168, 020522.	2.9	3
24	Effect of metal wire mesh on premixed H <sub>2</sub> /air flame quenching behaviors in a closed tube. Chemical Engineering Research and Design, 2021, 146, 770-778.	5.6	25
25	Progress on the research of fire behavior and fire protection of lithium ion battery. Fire Safety Journal, 2021, 120, 103119.	3.1	43
26	Thermal runaway and fire behaviors of a 300 Ah lithium ion battery with LiFePO <sub>4</sub> as cathode. Renewable and Sustainable Energy Reviews, 2021, 139, 110717.	16.4	70
27	Dynamics of premixed hydrogen-air flame propagation in the duct with pellets bed. International Journal of Hydrogen Energy, 2021, 46, 15780-15792.	7.1	6
28	Experimental study on shock waves, spontaneous ignition, and flame propagation produced by pressurized hydrogen release through tubes with varying obstacle location. Fuel, 2021, 290, 120093.	6.4	20
29	Electrochemical performance and thermal stability of lithium ion batteries after immersion. Corrosion Science, 2021, 184, 109384.	6.6	8
30	Experimental study on thermal runaway of fully charged and overcharged lithium-ion batteries under adiabatic and side-heating test. Journal of Energy Storage, 2021, 38, 102519.	8.1	30
31	Visualization of spontaneous ignition and flame behavior in tubes with and without obstacles during the high-pressure hydrogen release. Chemical Engineering Research and Design, 2021, 153, 354-362.	5.6	28
32	Experimental study on the competing effect of ceramic pellets on premixed methane-air flame propagation in a duct. Journal of Loss Prevention in the Process Industries, 2021, 72, 104530.	3.3	3
33	Combustion characteristics of zirconium particles coated with ferrite nanoparticles. Powder Technology, 2021, 389, 145-154.	4.2	6
34	Hydrogen sensing properties of Pd/SnO <sub>2</sub> nano-spherical composites under UV enhancement. Sensors and Actuators B: Chemical, 2021, 346, 130557.	7.8	28
35	Experimental study of the effect of typical halides on pyrolysis of ammonium nitrate using model reconstruction. Journal of Hazardous Materials, 2020, 384, 121297.	12.4	22
36	Experimental study on a novel safety strategy of lithium-ion battery integrating fire suppression and rapid cooling. Journal of Energy Storage, 2020, 28, 101185.	8.1	73

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37	An experimental study of the effect of 2.5% methane addition on self-ignition and flame propagation during high-pressure hydrogen release through a tube. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3381-3390.	7.1	19
38	Self-heating reaction and thermal runaway criticality of the lithium ion battery. <i>International Journal of Heat and Mass Transfer</i> , 2020, 149, 119178.	4.8	91
39	Effects of nitrogen content on pyrolysis behavior of nitrocellulose. <i>Fuel</i> , 2020, 264, 116853.	6.4	46
40	The critical characteristics and transition process of lithium-ion battery thermal runaway. <i>Energy</i> , 2020, 213, 119082.	8.8	47
41	Experimental and numerical methods to investigate the overcharge caused lithium plating for lithium ion battery. <i>Energy Storage Materials</i> , 2020, 32, 91-104.	18.0	68
42	Effect of single-layer wire mesh on premixed methane/air flame dynamics in a closed pipe. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 32664-32675.	7.1	24
43	Numerical study on the mechanism of spontaneous ignition of high-pressure hydrogen during its sudden release into a tube. <i>Safety Science</i> , 2020, 129, 104807.	4.9	24
44	Experimental study on the synergistic effect of gas extinguishing agents and water mist on suppressing lithium-ion battery fires. <i>Journal of Energy Storage</i> , 2020, 32, 101801.	8.1	48
45	Experimental study on the effect of storage conditions on thermal stability of nitrocellulose. <i>Applied Thermal Engineering</i> , 2020, 180, 115871.	6.0	11
46	Effects of equivalent diameter on vertical PMMA combustion in natural convection environment. <i>Fire and Materials</i> , 2020, 44, 1064-1071.	2.0	0
47	Effects of copper oxide and sulfuric acid on the pyrolysis behavior of ammonium nitrate under thermal radiation experiments. <i>Applied Thermal Engineering</i> , 2020, 181, 116044.	6.0	6
48	Full-Scale Experimental Study on the Combustion Behavior of Lithium Ion Battery Pack Used for Electric Vehicle. <i>Fire Technology</i> , 2020, 56, 2545-2564.	3.0	26
49	Refined study on lithium ion battery combustion in open space and a combustion chamber. <i>Chemical Engineering Research and Design</i> , 2020, 139, 133-146.	5.6	46
50	Experimental study of methane addition effect on shock wave propagation, self-ignition and flame development during high-pressure hydrogen sudden discharge from a tube. <i>Fuel</i> , 2020, 277, 118217.	6.4	23
51	Three-dimensional layered electrochemical-thermal model for a lithium-ion pouch cell. <i>International Journal of Energy Research</i> , 2020, 44, 8919-8935.	4.5	16
52	Dynamic Heat Generation of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> Half Cell Under Cycling Based on an In Situ Micro-calorimetry. <i>Fire Technology</i> , 2020, 56, 2387-2404.	3.0	14
53	Thermal Runaway Behavior of Lithium Iron Phosphate Battery During Penetration. <i>Fire Technology</i> , 2020, 56, 2405-2426.	3.0	25
54	Assessment on thermal hazards of reactive chemicals in industry: State of the Art and perspectives. <i>Progress in Energy and Combustion Science</i> , 2020, 78, 100832.	31.2	46

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55	Safer Triethyl-Phosphate-Based Electrolyte Enables Nonflammable and High-Temperature Endurance for a Lithium Ion Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 1719-1729.	5.1	34
56	Heat transfer mechanism of concurrent flame spread over rigid polyurethane foam: Effect of ambient pressure and inclined angle. <i>International Journal of Thermal Sciences</i> , 2020, 155, 106403.	4.9	29
57	Effect of burst disk parameters on the release of high-pressure hydrogen. <i>Fuel</i> , 2019, 235, 485-494.	6.4	39
58	Application of distributed activation energy models to polymer pyrolysis: Effects of distributed model selection, characteristics, validation, and sensitivity analysis. <i>Fuel</i> , 2019, 254, 115594.	6.4	33
59	Experimental study of shock wave propagation and its influence on the spontaneous ignition during high-pressure hydrogen release through a tube. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22598-22607.	7.1	23
60	Experimental study of spontaneous ignition induced by sudden hydrogen release through tubes with different shaped cross-sections. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23821-23831.	7.1	18
61	Comprehensive Analysis on Dynamic Heat Generation of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Coin Cell under Overcharge. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3369-A3376.	2.9	16
62	Non-dimensional analysis of the criticality of Li-ion battery thermal runaway behavior. <i>Journal of Hazardous Materials</i> , 2019, 369, 268-278.	12.4	56
63	Experimental and numerical study on a novel hybrid battery thermal management system integrated forced-air convection and phase change material. <i>Energy Conversion and Management</i> , 2019, 195, 1371-1381.	9.2	173
64	A review of lithium ion battery failure mechanisms and fire prevention strategies. <i>Progress in Energy and Combustion Science</i> , 2019, 73, 95-131.	31.2	832
65	Impact of conformational structures on primary decomposition of cis-1,2-dimethylcyclohexyl isomers: A theoretical study. <i>Combustion and Flame</i> , 2019, 205, 193-205.	5.2	2
66	Experimental investigation on effects of CO <sub>2</sub> additions on spontaneous ignition of high-pressure hydrogen during its sudden release into a tube. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7041-7048.	7.1	30
67	Impact of Intersecting Angles on Evacuation Efficiency of Pedestrian Flows in High Volume: A Case Study in Metro Station. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 2324-2332.	1.9	9
68	Numerical study on the nano-droplets formation process from superheated steam condensation flow effected by nozzle convergent profile. <i>International Communications in Heat and Mass Transfer</i> , 2019, 104, 109-117.	5.6	16
69	Similitude analysis and critical conditions for spontaneous ignition of hydrogen release into the atmosphere through a tube. <i>Fuel</i> , 2019, 245, 413-419.	6.4	28
70	Urban Fire Risk Evaluation Based on 2-tuple AHP Taking the 8th Division with Shihezi City for Example. , 2019, , .		0
71	Thermal runaway and fire behavior investigation of lithium ion batteries using modified cone calorimeter. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2879-2889.	3.6	70
72	Conformational inversion-topomerization processes of ethylcyclohexane and 1,2-dimethylcyclohexane: A computational investigation. <i>Tetrahedron</i> , 2019, 75, 449-457.	1.9	6

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73	Effect of inorganic additive flame retardant on fire hazard of polyurethane exterior insulation material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2857-2868.	3.6	26
74	Progress of enhancing the safety of lithium ion battery from the electrolyte aspect. <i>Nano Energy</i> , 2019, 55, 93-114.	16.0	533
75	Theoretical and experimental study on the effect of nitrogen content on the thermal characteristics of nitrocellulose under low heating rates. <i>Cellulose</i> , 2019, 26, 763-776.	4.9	50
76	An experimental and theoretical study of optimized selection and model reconstruction for ammonium nitrate pyrolysis. <i>Journal of Hazardous Materials</i> , 2019, 364, 539-547.	12.4	47
77	Effects of obstacles inside the tube on the shock wave propagation and spontaneous ignition of high-pressure hydrogen. <i>Fuel</i> , 2019, 236, 1586-1594.	6.4	47
78	Electrochemical performance and thermal stability analysis of LiNi Co Mn O <sub>2</sub> cathode based on a composite safety electrolyte. <i>Journal of Hazardous Materials</i> , 2018, 351, 260-269.	12.4	66
79	Sensitivity analysis of influencing factors on glass façade breakage in fire. <i>Fire Safety Journal</i> , 2018, 98, 38-47.	3.1	13
80	The Efficiency of Dodecafluoro-2-Methylpentan-3-One on Suppressing the Lithium Ion Battery Fire. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2018, 15, .	2.1	38
81	A self-cooling and flame-retardant electrolyte for safer lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1323-1331.	4.9	39
82	Experimental study on temperature field of upward flame spread over discrete polystyrene foam. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 2647-2656.	3.6	4
83	A study on the dynamic behavior of premixed propane-air flames propagating in a curved combustion chamber. <i>Fuel</i> , 2018, 228, 342-348.	6.4	34
84	Premixed flame propagation in hydrogen explosions. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1988-2001.	16.4	123
85	Flame Spread on Inclined Wood Surfaces: Influence of External Heat Flux and Ambient Oxygen Concentration. <i>Combustion Science and Technology</i> , 2018, 190, 97-113.	2.3	15
86	Comparison analysis on the thermal runaway of lithium-ion battery under two heating modes. <i>Journal of Hazardous Materials</i> , 2018, 344, 733-741.	12.4	109
87	Sample width and thickness effects on upward flame spread over PMMA surface. <i>Journal of Hazardous Materials</i> , 2018, 342, 114-120.	12.4	97
88	Spontaneous ignition of high-pressure hydrogen during its sudden release into hydrogen/air mixtures. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 23558-23567.	7.1	30
89	The effect of glass panel dimension on the fire response of glass façades. <i>Construction and Building Materials</i> , 2018, 181, 588-597.	7.2	17
90	Numerical study on tab dimension optimization of lithium-ion battery from the thermal safety perspective. <i>Applied Thermal Engineering</i> , 2018, 142, 148-165.	6.0	79

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91	A multi criteria comprehensive evaluation approach for emergency response capacity with interval 2-tuple linguistic information. <i>Applied Soft Computing Journal</i> , 2018, 72, 419-441.	7.2	36
92	Experimental study on spontaneous ignition and subsequent flame development caused by high-pressure hydrogen release: Coupled effects of tube dimensions and burst pressure. <i>Fire Safety Journal</i> , 2018, 97, 44-53.	3.1	33
93	Investigation of the thermal response and breakage mechanism of point-supported glass facade under wind load. <i>Construction and Building Materials</i> , 2018, 186, 635-643.	7.2	12
94	Study of point-supported glass breakage behavior with varying point-covered areas under thermal loading. <i>International Journal of Thermal Sciences</i> , 2018, 132, 65-75.	4.9	5
95	Experimental and Numerical Study of Window Glass Breakage with Varying Shaded Widths under Thermal Loading. <i>Fire Technology</i> , 2017, 53, 43-64.	3.0	14
96	Experimental study on the width and pressure effect on the horizontal flame spread of insulation material. <i>International Journal of Thermal Sciences</i> , 2017, 114, 114-122.	4.9	27
97	Combustion behavior of lithium iron phosphate battery induced by external heat radiation. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 49, 961-969.	3.3	80
98	Large scale experimental study on the fire hazard of buildings' U-shape facade wall geometry. <i>Journal of Civil Engineering and Management</i> , 2017, 23, 455-463.	3.5	7
99	Experimental study on the influence of multi-layer wire mesh on dynamics of premixed hydrogen-air flame propagation in a closed duct. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14809-14820.	7.1	39
100	Effects of building concave structure on flame spread over extruded polystyrene thermal insulation material. <i>Applied Thermal Engineering</i> , 2017, 121, 802-809.	6.0	40
101	Experimental study of spontaneous ignition and non-premixed turbulent combustion behavior following pressurized hydrogen release through a tube with local enlargement. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 49, 814-821.	3.3	19
102	The deceleration mechanism and the critical extinction angle of downward flame spread over inclined cellulosic solids. <i>Applied Thermal Engineering</i> , 2017, 124, 185-190.	6.0	16
103	Effects of the geometry of downstream pipes with different angles on the shock ignition of high-pressure hydrogen during its sudden expansion. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8382-8391.	7.1	43
104	Experimental study on a comparison of typical premixed combustible gas-air flame propagation in a horizontal rectangular closed duct. <i>Journal of Hazardous Materials</i> , 2017, 327, 116-126.	12.4	32
105	Thermal Analysis of Vertical Upward Flame Spread and Dripping Behaviors of Polystyrene Foams at Different Altitudes. <i>Journal of Macromolecular Science - Physics</i> , 2017, 56, 517-531.	1.0	10
106	Crack evolution process of window glass under radiant heating. <i>Fire and Materials</i> , 2017, 41, 1016-1026.	2.0	6
107	Thermal analysis of nickel cobalt lithium manganese with varying nickel content used for lithium ion batteries. <i>Thermochimica Acta</i> , 2017, 655, 176-180.	2.7	53
108	The Breakage of Float Glass with Four-Edge Shading Under the Combined Effect of Wind Loading and Thermal Loading. <i>Fire Technology</i> , 2017, 53, 1233-1248.	3.0	8

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109	Conformational inversion-topomerization mechanism of ethylcyclohexyl isomers and its role in combustion kinetics. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 237-244.	3.9	8
110	Theoretical Kinetic and Mechanistic Studies on the Reactions of CF <sub>3</sub> CBrCH <sub>2</sub> (2-BTP) with OH and H Radicals. <i>Molecules</i> , 2017, 22, 2140.	3.8	9
111	Experimental Investigation on Glass Cracking for Wind Load Combined with Radiant Heating. , 2017, , 255-260.		3
112	A Multi-Component Additive to Improve the Thermal Stability of Li(Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> )O <sub>2</sub> -Based Lithium Ion Batteries. <i>Energies</i> , 2016, 9, 424.	3.1	12
113	Comparative Study on Crack Initiation and Propagation of Glass under Thermal Loading. <i>Materials</i> , 2016, 9, 794.	2.9	6
114	Experimental study of pressure dynamics, spontaneous ignition and flame propagation during hydrogen release from high-pressure storage tank through 15 mm diameter tube and exhaust chamber connected to atmosphere. <i>Fuel</i> , 2016, 182, 419-427.	6.4	33
115	Experimental study on thermal hazard of tributyl phosphate-nitric acid mixtures using micro calorimeter technique. <i>Journal of Hazardous Materials</i> , 2016, 314, 230-236.	12.4	14
116	Thermal response of lithium-ion battery during charging and discharging under adiabatic conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 417-428.	3.6	41
117	Experimental study on spontaneous ignition and flame propagation of high-pressure hydrogen release via a tube into air. <i>Fuel</i> , 2016, 181, 811-819.	6.4	49
118	Experimental investigation of spontaneous ignition and flame propagation at pressurized hydrogen release through tubes with varying cross-section. <i>Journal of Hazardous Materials</i> , 2016, 320, 18-26.	12.4	54
119	Experimental and modeling analysis of thermal runaway propagation over the large format energy storage battery module with Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode. <i>Applied Energy</i> , 2016, 183, 659-673.	10.1	169
120	Experimental study on the application of phase change material in the dynamic cycling of battery pack system. <i>Energy Conversion and Management</i> , 2016, 128, 12-19.	9.2	115
121	Thermal behavior and failure mechanism of lithium ion cells during overcharge under adiabatic conditions. <i>Applied Energy</i> , 2016, 182, 464-474.	10.1	197
122	Flame propagation characteristics and combustion mechanism of FeOOH-coated zirconium particles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 649-657.	3.6	9
123	Experimental study on flow characteristics and spontaneous ignition produced by pressurized hydrogen release through an Omega-shaped tube into atmosphere. <i>Fuel</i> , 2016, 184, 770-779.	6.4	47
124	Numerical study on the thermal performance of a composite board in battery thermal management system. <i>Applied Thermal Engineering</i> , 2016, 106, 131-140.	6.0	132
125	Thermal degradation study of pure rigid polyurethane in oxidative and non-oxidative atmospheres. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 269-283.	5.5	52
126	Thermal performance of exposed framing glass façades in fire. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2961-2970.	3.1	14



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127	Influence of fire location on the thermal performance of glass façades. Applied Thermal Engineering, 2016, 106, 438-442.	6.0	18
128	An Experimental and Numerical Study of Imbalanced Door Choice During an Announced Evacuation Drill. Fire Technology, 2016, 52, 801-815.	3.0	7
129	Flammability and safety design of thermal insulation materials comprising PS foams and fire barrier materials. Materials and Design, 2016, 99, 500-508.	7.0	31
130	Thermal Breakage of Tempered Glass Façade with Down-Flowing Water Film Under Different Heating Rates. Fire Technology, 2016, 52, 563-580.	3.0	8
131	The Efficiency of Heptafluoropropane Fire Extinguishing Agent on Suppressing the Lithium Titanate Battery Fire. Fire Technology, 2016, 52, 387-396.	3.0	67
132	Heat transfer in the dynamic cycling of lithium-titanate batteries. International Journal of Heat and Mass Transfer, 2016, 93, 896-905.	4.8	69
133	Thermal breakage and fallout behaviors of non-tempered glass under the effect of water film. Journal of Fire Sciences, 2015, 33, 390-404.	2.0	6
134	Effects of sample width and inclined angle on flame spread across expanded polystyrene surface in plateau and plain environments. Journal of Thermoplastic Composite Materials, 2015, 28, 111-127.	4.2	40
135	Flame propagation mechanisms in dust explosions. Journal of Loss Prevention in the Process Industries, 2015, 36, 186-194.	3.3	66
136	Randomness in the evacuation route selection of large-scale crowds under emergencies. Applied Mathematical Modelling, 2015, 39, 5693-5706.	4.2	9
137	Application of genetic algorithm to pyrolysis of typical polymers. Fuel Processing Technology, 2015, 138, 48-55.	7.2	79
138	Combustion Behaviour of Fe <sub>2</sub> O <sub>3</sub> -coated Zirconium Particles in Air. Energy Procedia, 2015, 66, 269-272.	1.8	11
139	Numerical study on lithium titanate battery thermal response under adiabatic condition. Energy Conversion and Management, 2015, 92, 184-193.	9.2	31
140	Flame propagation through zirconium particles coated with different ratios of Fe <sub>3</sub> O <sub>4</sub> . Fuel, 2015, 148, 231-237.	6.4	6
141	The combustion behavior of large scale lithium titanate battery. Scientific Reports, 2015, 5, 7788.	3.3	104
142	Experimental study of horizontal flame spread over rigid polyurethane foam on a plateau: effects of sample width and ambient pressure. Fire and Materials, 2015, 39, 127-138.	2.0	20
143	Downward flame spread over extruded polystyrene. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1091-1103.	3.6	22
144	Effects of altitude and inclination on the flame structure over the insulation material PS based on heat and mass transfer. International Journal of Heat and Mass Transfer, 2015, 90, 1046-1055.	4.8	15

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145	Fracture behavior of framing coated glass curtain walls under fire conditions. <i>Fire Safety Journal</i> , 2015, 75, 45-58.	3.1	31
146	Effect of bend on premixed flame dynamics in a closed duct. <i>International Journal of Heat and Mass Transfer</i> , 2015, 88, 297-305.	4.8	26
147	Experimental investigation on shock waves generated by pressurized gas release through a tube. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 36, 39-44.	3.3	24
148	An experimental study on shock waves and spontaneous ignition produced by pressurized hydrogen release through a tube into atmosphere. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 8281-8289.	7.1	38
149	Horizontal Flame Spread Characteristics of Rigid Polyurethane and Molded Polystyrene Foams Under Externally Applied Radiation at Two Different Altitudes. <i>Fire Technology</i> , 2015, 51, 1195-1216.	3.0	17
150	Effects of altitude and sample orientation on heat transfer for flame spread over polystyrene foams. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 641-650.	3.6	20
151	Experimental study of altitude and orientation effects on heat transfer over polystyrene insulation material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 281-293.	3.6	20
152	Study of the fire behavior of high-energy lithium-ion batteries with full-scale burning test. <i>Journal of Power Sources</i> , 2015, 285, 80-89.	7.8	186
153	A comparative study on premixed hydrogen/air and propane/air flame propagations with tulip distortion in a closed duct. <i>Fuel</i> , 2015, 161, 248-253.	6.4	45
154	Experimental study on fire risk of buildings' U-shaped exterior wall on flame propagation of insulation material on plain and plateau. <i>Journal of Fire Sciences</i> , 2015, 33, 358-373.	2.0	15
155	Correlation analysis of sample thickness, heat flux, and cone calorimetry test data of polystyrene foam. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 229-238.	3.6	65
156	Development of a dynamic model for crack propagation in glazing system under thermal loading. <i>Fire Safety Journal</i> , 2014, 63, 113-124.	3.1	21
157	Maximum temperature to withstand water film for tempered glass exposed to fire. <i>Construction and Building Materials</i> , 2014, 57, 15-23.	7.2	28
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