

Qingsong Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5595508/publications.pdf>

Version: 2024-02-01

206
papers

12,787
citations

30070

54
h-index

30922

102
g-index

208
all docs

208
docs citations

208
times ranked

6432
citing authors

#	ARTICLE	IF	CITATIONS
1	Preliminary study on fire risk of redox flow battery components. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4131-4140.	3.6	5
2	Insight into the structural evolution and thermal behavior of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode under deep charge. Journal of Energy Chemistry, 2022, 65, 424-432.	12.9	38
3	The efficiency and toxicity of dodecafluoro-2-methylpentan-3-one in suppressing lithium-ion battery fire. Journal of Energy Chemistry, 2022, 65, 532-540.	12.9	31
4	Heating power effect on the thermal runaway characteristics of large-format lithium ion battery with Li(Ni _{1/3} Co _{1/3} Mn _{1/3})O ₂ as cathode. Energy, 2022, 239, 121885.	8.8	39
5	Experimental study of the cooling effect of water mist on 18650 lithium-ion battery at different initial temperatures. Chemical Engineering Research and Design, 2022, 157, 156-166.	5.6	23
6	Experimental study of intermittent spray cooling on suppression for lithium iron phosphate battery fires. ETransportation, 2022, 11, 100142.	14.8	29
7	Experimental study on the thermal runaway and fire behavior of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ battery in open and confined spaces. Chemical Engineering Research and Design, 2022, 158, 711-726.	5.6	32
8	Capacity fading mechanisms and state of health prediction of commercial lithium-ion battery in total lifespan. Journal of Energy Storage, 2022, 46, 103910.	8.1	31
9	Experimental investigation on intermittent spray cooling and toxic hazards of lithium-ion battery thermal runaway. Energy Conversion and Management, 2022, 252, 115091.	9.2	36
10	Quantitative analysis of aging and detection of commercial 18650 lithium-ion battery under slight overcharging cycling. Journal of Cleaner Production, 2022, 340, 130756.	9.3	13
11	In-depth study on diffusion of oxygen vacancies in Li(Ni _x Co _y Mn _z)O ₂ cathode materials under thermal induction. Energy Storage Materials, 2022, 47, 51-60.	18.0	35
12	Spatiotemporally Resolved Protein Detection in Live Cells Using Nanopore Biosensors. ACS Nano, 2022, 16, 5752-5763.	14.6	15
13	Effects of CO addition on shock wave propagation, self-ignition, and flame development of high-pressure hydrogen release into air. International Journal of Hydrogen Energy, 2022, 47, 14714-14724.	7.1	9
14	Heat generation and thermal runaway of lithium-ion battery induced by slight overcharging cycling. Journal of Power Sources, 2022, 526, 231136.	7.8	36
15	Slight overcharging cycling failure of commercial lithium-ion battery induced by the jelly roll destruction. Chemical Engineering Research and Design, 2022, 160, 695-703.	5.6	26
16	The thermal runaway analysis on LiFePO ₄ electrical energy storage packs with different venting areas and void volumes. Applied Energy, 2022, 313, 118767.	10.1	27
17	Analysis of gas release during the process of thermal runaway of lithium-ion batteries with three different cathode materials. Journal of Energy Storage, 2022, 50, 104302.	8.1	34
18	Thermal runaway propagation in large format lithium ion battery modules under inclined ceilings. Journal of Energy Storage, 2022, 51, 104477.	8.1	14

#	ARTICLE	IF	CITATIONS
19	The enhanced cooling effect of water mist with additives on inhibiting lithium ion battery thermal runaway. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 77, 104784.	3.3	15
20	Experimental investigation on thermal runaway propagation of 18,650 lithium-ion battery modules with two cathode materials at low pressure. <i>Energy</i> , 2022, 251, 123925.	8.8	33
21	Optimized Cycle and Safety Performance of Lithium-metal Batteries with the Sustained-release Effect of Nano CaCO ₃ . <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	22
22	Heat transfer effects on accelerating rate calorimetry of the thermal runaway of Lithium-ion batteries. <i>Chemical Engineering Research and Design</i> , 2022, 162, 684-693.	5.6	23
23	Comparative study of chemical discharge strategy to pretreat spent lithium-ion batteries for safe, efficient, and environmentally friendly recycling. <i>Journal of Cleaner Production</i> , 2022, 359, 132116.	9.3	12
24	In-situ thermography revealing the evolution of internal short circuit of lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 540, 231602.	7.8	11
25	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
26	A novel algorithm for heat generation and core temperature based on single-temperature in-situ measurement of lithium ion cells. <i>Journal of Power Sources</i> , 2022, 542, 231731.	7.8	4
27	Aging effect delays overcharge-induced thermal runaway of lithium-ion batteries. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 79, 104830.	3.3	13
28	Experimental investigation of water spray on suppressing lithium-ion battery fires. <i>Fire Safety Journal</i> , 2021, 120, 103117.	3.1	42
29	Precise in-situ and ex-situ study on thermal behavior of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ /graphite coin cell: From part to the whole cell. <i>Journal of Energy Chemistry</i> , 2021, 54, 332-341.	12.9	27
30	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
31	Study on thermal runaway mechanism of 1000Ah lithium ion pouch cell during nail penetration. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 273-284.	3.6	15
32	Experimental and modeling analysis of jet flow and fire dynamics of 18650-type lithium-ion battery. <i>Applied Energy</i> , 2021, 281, 116054.	10.1	66
33	Effect of ignition position on premixed hydrogen-air flame quenching behaviors under action of metal wire mesh. <i>Fuel</i> , 2021, 289, 119750.	6.4	13
34	Transition-metal redox evolution and its effect on thermal stability of LiNi Co Mn O ₂ based on synchrotron soft X-ray absorption spectroscopy. <i>Journal of Energy Chemistry</i> , 2021, 59, 446-454.	12.9	26
35	Battery thermal management system based on the forced-air convection: A review. <i>ETransportation</i> , 2021, 7, 100097.	14.8	88
36	A new method to explore thermal and venting behavior of lithium-ion battery thermal runaway. <i>Journal of Power Sources</i> , 2021, 486, 229357.	7.8	40

#	ARTICLE	IF	CITATIONS
37	Experimental Study on Pyrolysis Kinetics and Thermal Stability of Li(Ni _{1/3} Co _{1/3} Mn _{1/3})O ₂ Cathode Material at Different State of Charge. Journal of the Electrochemical Society, 2021, 168, 020522.	2.9	3
38	Effect of metal wire mesh on premixed H ₂ /air flame quenching behaviors in a closed tube. Chemical Engineering Research and Design, 2021, 146, 770-778.	5.6	25
39	Progress on the research of fire behavior and fire protection of lithium ion battery. Fire Safety Journal, 2021, 120, 103119.	3.1	43
40	Thermal runaway and fire behaviors of a 300 Ah lithium ion battery with LiFePO ₄ as cathode. Renewable and Sustainable Energy Reviews, 2021, 139, 110717.	16.4	70
41	Experimental investigation on the cooling and suppression effects of liquid nitrogen on the thermal runaway of lithium ion battery. Journal of Power Sources, 2021, 495, 229795.	7.8	41
42	Electrochemical performance and thermal stability of lithium ion batteries after immersion. Corrosion Science, 2021, 184, 109384.	6.6	8
43	Experimental study on thermal runaway and fire behaviors of large format lithium iron phosphate battery. Applied Thermal Engineering, 2021, 192, 116949.	6.0	63
44	Experimental investigation on thermal runaway propagation of large format lithium ion battery modules with two cathodes. International Journal of Heat and Mass Transfer, 2021, 172, 121077.	4.8	76
45	Fire hazard potential of non-metallic powder layers induced by deposit surfaces. Fire Safety Journal, 2021, 122, 103365.	3.1	15
46	Numerical modeling on thermal runaway triggered by local overheating for lithium iron phosphate battery. Applied Thermal Engineering, 2021, 192, 116928.	6.0	38
47	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
48	The experimental and numerical investigation on a hybrid battery thermal management system based on forced-air convection and internal finned structure. Applied Thermal Engineering, 2021, 195, 117212.	6.0	30
49	Boosting potassium storage performance via construction of NbSe ₂ -based misfit layered chalcogenides. Energy Storage Materials, 2021, 39, 265-270.	18.0	33
50	Dynamic overcharge investigations of lithium ion batteries with different state of health. Journal of Power Sources, 2021, 507, 230262.	7.8	35
51	Fault diagnosis of external soft-short circuit for series connected lithium-ion battery pack based on modified dual extended Kalman filter. Journal of Energy Storage, 2021, 41, 102902.	8.1	22
52	Experimental investigation on the characteristics of thermal runaway and its propagation of large-format lithium ion batteries under overcharging and overheating conditions. Energy, 2021, 233, 121103.	8.8	65
53	Understanding of Li plating on graphite electrode: detection, quantification and mechanism revelation. Energy Storage Materials, 2021, 41, 209-221.	18.0	68
54	Explosion hazards study of grid-scale lithium-ion battery energy storage station. Journal of Energy Storage, 2021, 42, 102987.	8.1	36

#	ARTICLE	IF	CITATIONS
55	Comprehensively analysis the failure evolution and safety evaluation of automotive lithium ion battery. ETransportation, 2021, 10, 100140.	14.8	73
56	An experimental-based Domino prediction model of thermal runaway propagation in 18,650 lithium-ion battery modules. International Journal of Heat and Mass Transfer, 2021, 181, 122024.	4.8	24
57	The experimental study on a novel integrated system with thermal management and rapid cooling for battery pack based on C6F12O spray cooling in a closed-loop. Journal of Power Sources, 2021, 516, 230659.	7.8	16
58	Aging mechanisms and thermal stability of aged commercial 18650 lithium ion battery induced by slight overcharging cycling. Journal of Power Sources, 2020, 445, 227263.	7.8	129
59	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
60	Self-heating reaction and thermal runaway criticality of the lithium ion battery. International Journal of Heat and Mass Transfer, 2020, 149, 119178.	4.8	91
61	Three-dimensional layered electrochemical-thermal model for a lithium-ion pouch cell Part II. The effect of units number on the performance under adiabatic condition during the discharge. International Journal of Heat and Mass Transfer, 2020, 148, 119082.	4.8	25
62	A Nonflammable Electrolyte Combining Phosphate and Fluorinated Ether for Li ₄ Ti ₅ O ₁₂ /LiNi _{0.5} Mn _{1.5} O ₄ Cells. Fire Technology, 2020, 56, 2349-2364.	3.0	4
63	The critical characteristics and transition process of lithium-ion battery thermal runaway. Energy, 2020, 213, 119082.	8.8	47
64	Numerical study on thermal characteristics comparison between charge and discharge process for lithium ion battery. International Journal of Heat and Mass Transfer, 2020, 162, 120319.	4.8	36
65	An investigation on expansion behavior of lithium ion battery based on the thermal-mechanical coupling model. Journal of Cleaner Production, 2020, 274, 122643.	9.3	24
66	Experimental and numerical methods to investigate the overcharge caused lithium plating for lithium ion battery. Energy Storage Materials, 2020, 32, 91-104.	18.0	68
67	Effect of single-layer wire mesh on premixed methane/air flame dynamics in a closed pipe. International Journal of Hydrogen Energy, 2020, 45, 32664-32675.	7.1	24
68	Faulty Characteristics and Identification of Increased Connecting and Internal Resistance in Parallel-Connected Lithium-Ion Battery Pack for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 10797-10808.	6.3	15
69	Thermal runaway and fire behaviors of lithium iron phosphate battery induced by over heating. Journal of Energy Storage, 2020, 31, 101714.	8.1	46
70	Special Issue on Lithium Battery Fire Safety. Fire Technology, 2020, 56, 2345-2347.	3.0	4
71	Experimental study on the synergistic effect of gas extinguishing agents and water mist on suppressing lithium-ion battery fires. Journal of Energy Storage, 2020, 32, 101801.	8.1	48
72	Full-Scale Experimental Study on the Combustion Behavior of Lithium Ion Battery Pack Used for Electric Vehicle. Fire Technology, 2020, 56, 2545-2564.	3.0	26

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	Dynamic Heat Generation of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Half Cell Under Cycling Based on an In Situ Micro-calorimetry. <i>Fire Technology</i> , 2020, 56, 2387-2404.	3.0	14
77	Thermal Runaway Behavior of Lithium Iron Phosphate Battery During Penetration. <i>Fire Technology</i> , 2020, 56, 2405-2426.	3.0	25
78	Experimental study of the effectiveness of three kinds of extinguishing agents on suppressing lithium-ion battery fires. <i>Applied Thermal Engineering</i> , 2020, 171, 115076.	6.0	61
79	Experimental and numerical study on penetration-induced internal short-circuit of lithium-ion cell. <i>Applied Thermal Engineering</i> , 2020, 171, 115082.	6.0	19
80	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
81	Thermal safety study of Li-ion batteries under limited overcharge abuse based on coupled electrochemical-thermal model. <i>International Journal of Energy Research</i> , 2020, 44, 3607-3625.	4.5	37
82	Thermal runaway hazards investigation on 18650 lithium-ion battery using extended volume accelerating rate calorimeter. <i>Journal of Energy Storage</i> , 2020, 28, 101232.	8.1	86
83	Boosting Potassium Storage Performance of the Cu ₂ S Anode <i>via</i> Morphology Engineering and Electrolyte Chemistry. <i>ACS Nano</i> , 2020, 14, 6024-6033.	14.6	156
84	Capacity fading and thermal stability of LiNi Co Mn O ₂ /graphite battery after overcharging. <i>Journal of Energy Storage</i> , 2020, 29, 101397.	8.1	28
85	Experimental study on thermal runaway and its propagation in the large format lithium ion battery module with two electrical connection modes. <i>Energy</i> , 2020, 205, 117906.	8.8	75
86	Experimental study on combustion behavior and fire extinguishing of lithium iron phosphate battery. <i>Journal of Energy Storage</i> , 2020, 30, 101532.	8.1	39
87	Effects of 3-fluoroanisole as an Electrolyte Additive on Enhancing the Overcharge Endurance and Thermal Stability of Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 130517.	2.9	8
88	Experimental study on fallout behaviour of tempered glass facades with different frame insulation conditions in an enclosure fire. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 3889-3898.	3.9	9
89	Thermal response and resistance optimization of various types of point-supported glass facades. <i>Construction and Building Materials</i> , 2019, 224, 610-621.	7.2	9
90	A Three-Dimensional Electrochemical-Mechanical Model at the Particle Level for Lithium-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3319-A3331.	2.9	23

#	ARTICLE	IF	CITATIONS
91	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. Journal of the Electrochemical Society, 2019, 166, A3369-A3376.	2.9	16
92	The effect of electrode design parameters on battery performance and optimization of electrode thickness based on the electrochemical-thermal coupling model. Sustainable Energy and Fuels, 2019, 3, 148-165.	4.9	128
93	Non-dimensional analysis of the criticality of Li-ion battery thermal runaway behavior. Journal of Hazardous Materials, 2019, 369, 268-278.	12.4	56
94	Experimental study on thermal runaway risk of 18650 lithium ion battery under side-heating condition. Journal of Loss Prevention in the Process Industries, 2019, 61, 122-129.	3.3	62
95	Experimental and numerical study on a novel hybrid battery thermal management system integrated forced-air convection and phase change material. Energy Conversion and Management, 2019, 195, 1371-1381.	9.2	173
96	A review of lithium ion battery failure mechanisms and fire prevention strategies. Progress in Energy and Combustion Science, 2019, 73, 95-131.	31.2	832
97	Experimental investigation on the thermal runaway and its propagation in the large format battery module with $\text{Li}(\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3})\text{O}_2$ as cathode. Journal of Hazardous Materials, 2019, 375, 241-254.	12.4	169
98	Overcharge Behavior and Early Warning Analysis of $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2/\text{C}$ Lithium-Ion Battery with High Capacity. Journal of the Electrochemical Society, 2019, 166, A1055-A1062.	2.9	50
99	Inhibition effect of different interstitial materials on thermal runaway propagation in the cylindrical lithium-ion battery module. Applied Thermal Engineering, 2019, 153, 39-50.	6.0	97
100	Thermal runaway and fire behavior investigation of lithium ion batteries using modified cone calorimeter. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2879-2889.	3.6	70
101	Progress of enhancing the safety of lithium ion battery from the electrolyte aspect. Nano Energy, 2019, 55, 93-114.	16.0	533
102	Failure mechanism of the lithium ion battery during nail penetration. International Journal of Heat and Mass Transfer, 2018, 122, 1103-1115.	4.8	172
103	Electrochemical performance and thermal stability analysis of LiNi Co Mn O_2 cathode based on a composite safety electrolyte. Journal of Hazardous Materials, 2018, 351, 260-269.	12.4	66
104	Sensitivity analysis of influencing factors on glass façade breakage in fire. Fire Safety Journal, 2018, 98, 38-47.	3.1	13
105	The Efficiency of Dodecafluoro-2-Methylpentan-3-One on Suppressing the Lithium Ion Battery Fire. Journal of Electrochemical Energy Conversion and Storage, 2018, 15, .	2.1	38
106	A self-cooling and flame-retardant electrolyte for safer lithium ion batteries. Sustainable Energy and Fuels, 2018, 2, 1323-1331.	4.9	39
107	Probing the cooling effectiveness of phase change materials on lithium-ion battery thermal response under overcharge condition. Applied Thermal Engineering, 2018, 132, 521-530.	6.0	51
108	Water cooling based strategy for lithium ion battery pack dynamic cycling for thermal management system. Applied Thermal Engineering, 2018, 132, 575-585.	6.0	113

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	Experimental study on the efficiency of dodecafluoro-2-methylpentan-3-one on suppressing lithium-ion battery fires. <i>RSC Advances</i> , 2018, 8, 42223-42232.	3.6	59
112	Fault detection of the connection of lithium-ion power batteries in series for electric vehicles based on statistical analysis. <i>Energy</i> , 2018, 164, 745-756.	8.8	68
113	An optimal multistage charge strategy for commercial lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1726-1736.	4.9	25
114	The effect of glass panel dimension on the fire response of glass facades. <i>Construction and Building Materials</i> , 2018, 181, 588-597.	7.2	17
115	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
116	Experimental Analysis of Thermal Runaway Propagation Risk within 18650 Lithium-Ion Battery Modules. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1925-A1934.	2.9	81
117	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
118	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
119	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
120	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
121	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
122	Experimental study on fire response of double glazed panels in curtain walls. <i>Fire Safety Journal</i> , 2017, 92, 53-63.	3.1	9
123	Modelling electro-thermal response of lithium-ion batteries from normal to abuse conditions. <i>Applied Energy</i> , 2017, 205, 1327-1344.	10.1	94
124	Investigation of thermal breakage and heat transfer in single, insulated and laminated glazing under fire conditions. <i>Applied Thermal Engineering</i> , 2017, 125, 662-672.	6.0	35
125	Crack evolution process of window glass under radiant heating. <i>Fire and Materials</i> , 2017, 41, 1016-1026.	2.0	6
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	Determination of critical breakage conditions for double glazing in fire. <i>Applied Thermal Engineering</i> , 2017, 111, 20-29.	6.0	13
129	Experimental Investigation on Glass Cracking for Wind Load Combined with Radiant Heating. , 2017, , 255-260.		3
130	A Multi-Component Additive to Improve the Thermal Stability of Li(Ni1/3Co1/3Mn1/3)O2-Based Lithium Ion Batteries. <i>Energies</i> , 2016, 9, 424.	3.1	12
131	Comparative Study on Crack Initiation and Propagation of Glass under Thermal Loading. <i>Materials</i> , 2016, 9, 794.	2.9	6
132	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
133	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
134	Experimental and modeling analysis of thermal runaway propagation over the large format energy storage battery module with Li4Ti5O12 anode. <i>Applied Energy</i> , 2016, 183, 659-673.	10.1	169
135	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
136	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
137	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
138	Thermal performance of exposed framing glass façades in fire. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2961-2970.	3.1	14
139	Influence of fire location on the thermal performance of glass façades. <i>Applied Thermal Engineering</i> , 2016, 106, 438-442.	6.0	18
140	Thermal Breakage of Tempered Glass Façade with Down-Flowing Water Film Under Different Heating Rates. <i>Fire Technology</i> , 2016, 52, 563-580.	3.0	8
141	The Efficiency of Heptafluoropropane Fire Extinguishing Agent on Suppressing the Lithium Titanate Battery Fire. <i>Fire Technology</i> , 2016, 52, 387-396.	3.0	67
142	Heat transfer in the dynamic cycling of lithium-titanate batteries. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 896-905.	4.8	69
143	Thermal breakage and fallout behaviors of non-tempered glass under the effect of water film. <i>Journal of Fire Sciences</i> , 2015, 33, 390-404.	2.0	6
144	Effects of sample width and inclined angle on flame spread across expanded polystyrene surface in plateau and plain environments. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 111-127.	4.2	40

#	ARTICLE	IF	CITATIONS
145	Numerical study on lithium titanate battery thermal response under adiabatic condition. <i>Energy Conversion and Management</i> , 2015, 92, 184-193.	9.2	31
146	The combustion behavior of large scale lithium titanate battery. <i>Scientific Reports</i> , 2015, 5, 7788.	3.3	104
147	Fracture behavior of framing coated glass curtain walls under fire conditions. <i>Fire Safety Journal</i> , 2015, 75, 45-58.	3.1	31
148	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
149	A Thermal Runaway Simulation on a Lithium Titanate Battery and the Battery Module. <i>Energies</i> , 2015, 8, 490-500.	3.1	54
150	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
151	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
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 transportation-location problem model for pedestrian evacuation in chemical industrial parks disasters. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 33, 29-38.	3.3	20
154	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
155	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
156	Numerical study on fire response of glass facades in different installation forms. <i>Construction and Building Materials</i> , 2014, 61, 172-180.	7.2	34
157	An experimental study of premixed hydrogen/air flame propagation in a partially open duct. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 6233-6241.	7.1	60
158	Dimethyl sulfite as an additive for lithium bis(oxalate)borate/β-Butyrolacton electrolyte to improve the performance of Li-ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2014, 731, 119-127.	3.8	9
159	Effects of fixing point positions on thermal response of four point-supported glass facades. <i>Construction and Building Materials</i> , 2014, 73, 235-246.	7.2	14
160	A stochastic analysis of glass crack initiation under thermal loading. <i>Applied Thermal Engineering</i> , 2014, 67, 447-457.	6.0	25
161	Experimental study on critical breaking stress of float glass under elevated temperature. <i>Materials & Design</i> , 2014, 60, 41-49.	5.1	33
162	Thermal behaviour analysis of lithium-ion battery at elevated temperature using deconvolution method. <i>Applied Energy</i> , 2014, 129, 261-273.	10.1	179

#	ARTICLE	IF	CITATIONS
163	Fracture behavior of a four-point fixed glass curtain wall under fire conditions. <i>Fire Safety Journal</i> , 2014, 67, 24-34.	3.1	39
164	Study on spontaneous combustion risk of cotton using a micro-calorimeter technique. <i>Industrial Crops and Products</i> , 2013, 50, 383-390.	5.2	21
165	Experimental and numerical study of premixed flame propagation in a closed duct with a 90° curved section. <i>International Journal of Heat and Mass Transfer</i> , 2013, 66, 818-822.	4.8	27
166	Thermal Shock Effect on the Glass Thermal Stress Response and Crack Propagation. <i>Procedia Engineering</i> , 2013, 62, 717-724.	1.2	29
167	Experimental Study on Characteristic Parameters of Coal Spontaneous Combustion. <i>Procedia Engineering</i> , 2013, 62, 1081-1086.	1.2	26
168	An experimental study of distorted tulip flame formation in a closed duct. <i>Combustion and Flame</i> , 2013, 160, 1725-1728.	5.2	113
169	Simulating the Thermal Response of Glass Under Various Shading Conditions in a Fire. <i>Procedia Engineering</i> , 2013, 62, 702-709.	1.2	12
170	Thermal degradation characteristics of rigid polyurethane foam and the volatile products analysis with TG-FTIR-MS. <i>Polymer Degradation and Stability</i> , 2013, 98, 2687-2696.	5.8	326
171	Frame constraint effect on the window glass crack behavior exposed to a fire. <i>Engineering Fracture Mechanics</i> , 2013, 108, 109-119.	4.3	10
172	Prediction of coal stockpile autoignition delay time using micro-calorimeter technique. <i>Fuel Processing Technology</i> , 2013, 110, 86-93.	7.2	14
173	Prediction of the critical condition for flame acceleration over wood surface with different sample orientations. <i>Combustion and Flame</i> , 2012, 159, 2999-3002.	5.2	47
174	Kinetics and volatile products of thermal degradation of building insulation materials. <i>Thermochimica Acta</i> , 2012, 547, 120-125.	2.7	58
175	Dynamic three-dimensional stress prediction of window glass under thermal loading. <i>International Journal of Thermal Sciences</i> , 2012, 59, 152-160.	4.9	42
176	Experimental study on the characteristic stages of premixed hydrogen-air flame propagation in a horizontal rectangular closed duct. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12028-12038.	7.1	31
177	Effects of altitude and sample width on the characteristics of horizontal flame spread over wood sheets. <i>Fire Safety Journal</i> , 2012, 51, 120-125.	3.1	45
178	Thermal runaway caused fire and explosion of lithium ion battery. <i>Journal of Power Sources</i> , 2012, 208, 210-224.	7.8	2,052
179	Flame spread over the surface of thermal insulation materials in different environments. <i>Science Bulletin</i> , 2011, 56, 1617-1622.	1.7	28
180	Experimental study on the behaviors and shape changes of premixed hydrogen-air flames propagating in horizontal duct. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6325-6336.	7.1	120

#	ARTICLE	IF	CITATIONS
181	Effect of sulfites on the performance of LiBOB/ β -butyrolactone electrolytes. Journal of Power Sources, 2011, 196, 776-783.	7.8	41
182	Cresyl diphenyl phosphate effect on the thermal stabilities and electrochemical performances of electrodes in lithium ion battery. Journal of Power Sources, 2011, 196, 5960-5965.	7.8	23
183	Experimental study on the characteristics of horizontal flame spread over XPS surface on plateau. Journal of Hazardous Materials, 2011, 189, 34-39.	12.4	82
184	The effect of mass ratio of electrolyte and electrodes on the thermal stabilities of electrodes used in lithium ion battery. Thermochimica Acta, 2011, 517, 16-23.	2.7	21
185	Catastrophe analysis of cylindrical lithium ion battery. Nonlinear Dynamics, 2010, 61, 763-772.	5.2	35
186	Improved thermal stability of lithium ion battery by using cresyl diphenyl phosphate as an electrolyte additive. Journal of Power Sources, 2010, 195, 7457-7461.	7.8	35
187	Experimental and numerical study on premixed hydrogen/air flame propagation in a horizontal rectangular closed duct. International Journal of Hydrogen Energy, 2010, 35, 1367-1376.	7.1	53
188	Thermal Stabilities of Some Lithium Salts and Their Electrolyte Solutions With and Without Contact to a LiFePO ₄ Electrode. Journal of the Electrochemical Society, 2010, 157, A1170.	2.9	57
189	Effects of solvents and salt on the thermal stability of charged LiCoO ₂ . Materials Research Bulletin, 2009, 44, 543-548.	5.2	39
190	Improved thermal stability of graphite electrodes in lithium-ion batteries using 4-isopropyl phenyl diphenyl phosphate as an additive. Journal of Applied Electrochemistry, 2009, 39, 1105-1110.	2.9	7
191	Effects of solvents and salt on the thermal stability of lithiated graphite used in lithium ion battery. Journal of Hazardous Materials, 2009, 167, 1209-1214.	12.4	36
192	Study on the influence of moisture content on thermal stability of propellant. Journal of Hazardous Materials, 2009, 168, 536-541.	12.4	46
193	Spontaneous Combustion Prediction of Coal by C80 and ARC Techniques. Energy & Fuels, 2009, 23, 4871-4876.	5.1	31
194	Comparison of the thermal decomposition kinetics for charged LiMn ₂ O ₄ by TG and C80 methods. Journal of Alloys and Compounds, 2009, 468, 477-481.	5.5	17
195	Spontaneous combustion identification of stored wet cotton using a C80 calorimeter. Industrial Crops and Products, 2008, 28, 268-272.	5.2	14
196	Thermal Stability of Delithiated LiMn ₂ O ₄ with Electrolyte for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2007, 154, A263.	2.9	57
197	Enhancing the safety of lithium ion batteries by 4-isopropyl phenyl diphenyl phosphate. Materials Letters, 2007, 61, 3338-3340.	2.6	23
198	Thermal stability of LiPF ₆ /EC + DMC + EMC electrolyte for lithium ion batteries. Rare Metals, 2006, 25, 94-99.	7.1	26

#	ARTICLE	IF	CITATIONS
199	Enhancing the thermal stability of LiCoO ₂ electrode by 4-isopropyl phenyl diphenyl phosphate in lithium ion batteries. <i>Journal of Power Sources</i> , 2006, 162, 1363-1366.	7.8	34
200	Micro calorimeter study on the thermal stability of lithium-ion battery electrolytes. <i>Journal of Loss Prevention in the Process Industries</i> , 2006, 19, 561-569.	3.3	69
201	Study on the kinetics properties of lithium hexafluorophosphate thermal decomposition reaction. <i>Solid State Ionics</i> , 2006, 177, 137-140.	2.7	25
202	C80 Calorimeter Studies of the Thermal Behavior of LiPF ₆ Solutions. <i>Journal of Solution Chemistry</i> , 2006, 35, 179-189.	1.2	26
203	Thermal Behavior of Lithiated Graphite with Electrolyte in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2006, 153, A329.	2.9	183
204	Catalytic effects of inorganic acids on the decomposition of ammonium nitrate. <i>Journal of Hazardous Materials</i> , 2005, 127, 204-210.	12.4	77
205	Thermal stability of LiPF ₆ /EC+DEC electrolyte with charged electrodes for lithium ion batteries. <i>Thermochimica Acta</i> , 2005, 437, 12-16.	2.7	153
206	4-Isopropyl Phenyl Diphenyl Phosphate as Flame-Retardant Additive for Lithium-Ion Battery Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, A467.	2.2	71