Chi-Min Shu

List of Publications by Year
in descending order

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273 papers	7,882 citations	50276 46 h-index	98798 67 g-index
273 all docs	273 docs citations	273 times ranked	2935 citing authors

#	Article	IF	Citations
1	Progressive utilisation prospects of coal fly ash: A review. Science of the Total Environment, 2019, 672, 951-989.	8.0	321
2	Thermal runaway potential of LiCoO2 and Li(Ni1/3Co1/3Mn1/3)O2 batteries determined with adiabatic calorimetry methodology. Applied Energy, 2012, 100, 127-131.	10.1	181
3	Correlation analysis of the functional groups and exothermic characteristics of bituminous coal molecules during high-temperature oxidation. Energy, 2019, 181, 136-147.	8.8	137
4	Thermal explosion hazards on 18650 lithium ion batteries with a VSP2 adiabatic calorimeter. Journal of Hazardous Materials, 2011, 192, 99-107.	12.4	129
5	Comparative analysis of thermokinetic behavior and gaseous products between first and second coal spontaneous combustion. Fuel, 2018, 227, 325-333.	6.4	128
6	Assessing the effectiveness of a high-temperature-programmed experimental system for simulating the spontaneous combustion properties of bituminous coal through thermokinetic analysis of four oxidation stages. Energy, 2019, 169, 587-596.	8.8	128
7	Overview of commonly used materials for coal spontaneous combustion prevention. Fuel, 2020, 275, 117981.	6.4	110
8	Inhibiting effects of three commercial inhibitors in spontaneous coal combustion. Energy, 2018, 160, 1174-1185.	8.8	107
9	Combustion properties of coal gangue using thermogravimetryâ€“Fourier transform infrared spectroscopy. Applied Thermal Engineering, 2017, 116, 244-252.	6.0	106
10	Experimental study on the thermal properties of coal during pyrolysis, oxidation, and re-oxidation. Applied Thermal Engineering, 2017, 110, 1137-1152.	6.0	102
11	Inconsistencies of e-waste management in developing nations â€“ Facts and plausible solutions. Journal of Environmental Management, 2020, 261, 110234.	7.8	102
12	Thermokinetic characteristics of coal spontaneous combustion based on thermogravimetric analysis. Fuel, 2019, 250, 235-244.	6.4	95
13	Explosion venting hazards of temperature effects and pressure characteristics for premixed hydrogen-air mixtures in a spherical container. Fuel, 2021, 290, 120034.	6.4	90
14	Microcharacteristic analysis of CH4 emissions under different conditions during coal spontaneous combustion with high-temperature oxidation and in situ FTIR. Energy, 2020, 209, 118494.	8.8	88
15	Dynamic hazard evaluation of explosion severity for premixed hydrogenâ€“air mixtures in a spherical pressure vessel. Fuel, 2020, 261, 116433.	6.4	87
16	Hazard evaluation of explosion venting behaviours for premixed hydrogen-air fuels with different bursting pressures. Fuel, 2020, 268, 117313.	6.4	87
17	Study of combustion behaviour and kinetics modelling of Chinese Gongwusu coal gangue: Model-fitting and model-free approaches. Fuel, 2020, 268, 117284.	6.4	77
18	Under-expansion jet flame propagation characteristics of premixed H2/air in explosion venting. International Journal of Hydrogen Energy, 2021, 46, 38913-38922.	7.1	77

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19	Experimental investigation on using ionic liquid to control spontaneous combustion of lignite. Chemical Engineering Research and Design, 2020, 142, 138-149.	5.6	76
20	Thermal behavior and microcharacterization analysis of second-oxidized coal. Journal of Thermal Analysis and Calorimetry, 2017, 127, 439-448.	3.6	73
21	Experimental and numerical simulation study of the thermal hazards of four azo compounds. Journal of Hazardous Materials, 2019, 365, 164-177.	12.4	73
22	Thermal Analysis of Multi-walled Carbon Nanotubes by Kissingerâ€™s Corrected Kinetic Equation. Aerosol and Air Quality Research, 2010, 10, 212-218.	2.1	72
23	Runaway reaction and thermal hazards simulation of cumene hydroperoxide by DSC. Journal of Loss Prevention in the Process Industries, 2008, 21, 101-109.	3.3	70
24	Thermal Runaway Hazards of Cumene Hydroperoxide with Contaminants. Industrial & Engineering Chemistry Research, 2001, 40, 1125-1132.	3.7	68
25	Effect of water immersion on active functional groups and characteristic temperatures of bituminous coal. Energy, 2020, 205, 118076.	8.8	67
26	Thermal runaway features of 18650 lithium-ion batteries for LiFePO4 cathode material by DSC and VSP2. Journal of Thermal Analysis and Calorimetry, 2012, 109, 1297-1302.	3.6	66
27	Hydrous ruthenium dioxide/multi-walled carbon-nanotube/titanium electrodes for supercapacitors. Carbon, 2012, 50, 1740-1747.	10.3	66
28	Adiabatic calorimetry test of the reaction kinetics and self-heating model for 18650 Li-ion cells in various states of charge. Journal of Power Sources, 2016, 318, 200-209.	7.8	65
29	Experimental study on the corresponding relationship between the index gases and critical temperature for coal spontaneous combustion. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1009-1017.	3.6	62
30	Effect of oxidation temperature and oxygen concentration on macro characteristics of pre-oxidised coal spontaneous combustion process. Energy, 2021, 227, 120431.	8.8	62
31	Exothermic decomposition of cumene hydroperoxide at low temperature conditions. AICHE Journal, 2001, 47, 1893-1896.	3.6	61
32	Low-temperature exothermic oxidation characteristics and spontaneous combustion risk of pulverised coal. Fuel, 2019, 252, 238-245.	6.4	61
33	Thermal hazard evaluation of the autocatalytic reaction of benzoyl peroxide using DSC and TAM III. Thermochimica Acta, 2015, 605, 68-76.	2.7	60
34	Spontaneous combustion in six types of coal by using the simultaneous thermal analysis-Fourier transform infrared spectroscopy technique. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1591-1602.	3.6	58
35	Inhibiting effects of 1-butyl-3-methyl imidazole tetrafluoroborate on coal spontaneous combustion under different oxygen concentrations. Energy, 2019, 186, 115907.	8.8	58
36	Thermal explosion analysis of methyl ethyl ketone peroxide by non-isothermal and isothermal calorimetric applications. Journal of Hazardous Materials, 2009, 171, 1145-1149.	12.4	57

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37	Comparative analysis of exothermic behaviour of fresh and weathered coal during low-temperature oxidation. Fuel, 2021, 289, 119942.	6.4	57
38	Thermal hazard evaluations of 18650 lithium-ion batteries by an adiabatic calorimeter. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1083-1088.	3.6	56
39	Analysis of cardinal grey relational grade and grey entropy on achievement of air pollution reduction by evaluating air quality trend in Japan. Journal of Cleaner Production, 2017, 142, 3883-3889.	9.3	56
40	Critical particle size analysis of gas emission under high-temperature oxidation of weathered coal. Energy, 2021, 214, 118995.	8.8	56
41	Microstructure of coal spontaneous combustion in low-oxygen atmospheres at characteristic temperatures. Fuel, 2022, 309, 122132.	6.4	56
42	Effects of imidazole ionic liquid on macroparameters and microstructure of bituminous coal during low-temperature oxidation. Fuel, 2019, 246, 160-168.	6.4	55
43	Comparison of the inhibition mechanisms of five types of inhibitors on spontaneous coal combustion. International Journal of Energy Research, 2018, 42, 1158-1171.	4.5	54
44	Thermal hazard assessment of the thermal stability of acne cosmeceutical therapy using advanced calorimetry technology. Chemical Engineering Research and Design, 2019, 131, 197-204.	5.6	54
45	Thermal Hazard Analysis of Methyl Ethyl Ketone Peroxide. Industrial & Engineering Chemistry Research, 2003, 42, 1-5.	3.7	51
46	Evaluation of runaway reaction for dicumyl peroxide in a batch reactor by DSC and VSP2. Journal of Loss Prevention in the Process Industries, 2009, 22, 721-727.	3.3	51
47	Comparisons of TGA and DSC approaches to evaluate nitrocellulose thermal degradation energy and stabilizer efficiencies. Chemical Engineering Research and Design, 2010, 88, 413-419.	5.6	51
48	The graded warning method of coal spontaneous combustion in Tangjiahui Mine. Fuel, 2021, 288, 119635.	6.4	50
49	Thermal hazard analyses and incompatible reaction evaluation of hydrogen peroxide by DSC. Journal of Thermal Analysis and Calorimetry, 2010, 102, 563-568.	3.6	49
50	Modeling solid thermal explosion containment on reactor HNIW and HMX. Journal of Hazardous Materials, 2010, 176, 549-558.	12.4	48
51	Prediction indices and limiting parameters of coal spontaneous combustion in the Huainan mining area in China. Fuel, 2020, 264, 116883.	6.4	47
52	Comprehensive index evaluation of the spontaneous combustion capability of different ranks of coal. Fuel, 2021, 291, 120087.	6.4	47
53	Advanced technology of thermal decomposition for AMBN and ABVN by DSC and VSP2. Journal of Thermal Analysis and Calorimetry, 2015, 121, 533-540.	3.6	46
54	Inhibition of spontaneous combustion for different metamorphic degrees of coal using Zn/Mg/Alâ€“CO3 layered double hydroxides. Chemical Engineering Research and Design, 2018, 113, 401-412.	5.6	46

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55	Application of risk based inspection in refinery and processing piping. Journal of Loss Prevention in the Process Industries, 2005, 18, 397-402.	3.3	44
56	Prediction of thermal hazard for TBPTMH mixed with BPO through DSC and isoconversional kinetics analysis. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1937-1945.	3.6	44
57	A green approach towards adoption of chemical reaction model on 2,5 - dimethyl - 2,5 - di - (tert -) Tj ETQq1 1 0.784314 rgBT /Overlo Hazardous Materials, 2016, 301, 222-232.	12.4	43
58	Combustion of 1-butylimidazolium nitrate via DSC, TG, VSP2, FTIR, and GC/MS: An approach for thermal hazard, property and prediction assessment. Chemical Engineering Research and Design, 2018, 116, 603-614.	5.6	42
59	Comparisons of nth-order kinetic algorithms and kinetic model simulation on HMX by DSC tests. Journal of Thermal Analysis and Calorimetry, 2010, 100, 607-614.	3.6	41
60	Study of thermal decomposition of methyl ethyl ketone peroxide using DSC and simulation. Journal of Hazardous Materials, 2007, 142, 765-770.	12.4	40
61	Forced-air cooling system for large-scale lithium-ion battery modules during charge and discharge processes. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2891-2901.	3.6	40
62	Effects of particle size on the self-ignition behaviour of a coal dust layer on a hot plate. Fuel, 2020, 260, 116269.	6.4	40
63	Thermal explosion and runaway reaction simulation of lauroyl peroxide by DSC tests. Journal of Thermal Analysis and Calorimetry, 2009, 96, 777-782.	3.6	39
64	Inhibiting effect of imidazolium-based ionic liquids on the spontaneous combustion characteristics of lignite. Fuel, 2018, 217, 508-514.	6.4	39
65	Coal bottom ash derived zeolite (SSZ-13) for the sorption of synthetic anion Alizarin Red S (ARS) dye. Journal of Hazardous Materials, 2021, 416, 125925.	12.4	39
66	Thermal hazard accident investigation of hydrogen peroxide mixing with propanone employing calorimetric approaches. Journal of Loss Prevention in the Process Industries, 2012, 25, 142-147.	3.3	38
67	Kinetics and hazards of thermal decomposition of methyl ethyl ketone peroxide by DSC. Thermochimica Acta, 2005, 430, 67-71.	2.7	37
68	Thermokinetic parameters and thermal hazard evaluation for three organic peroxides by DSC and TAM III. Journal of Thermal Analysis and Calorimetry, 2011, 106, 165-172.	3.6	37
69	Effects of thermal hazard on 18650 lithium-ion battery under different states of charge. Journal of Thermal Analysis and Calorimetry, 2015, 121, 525-531.	3.6	37
70	Effects on the activities of coal microstructure and oxidation treated by imidazolium-based ionic liquids. Journal of Thermal Analysis and Calorimetry, 2018, 133, 453-463.	3.6	37
71	Thermogravimetric analysis of the effects of four ionic liquids on the combustion characteristics and kinetics of weak caking coal. Journal of Molecular Liquids, 2019, 277, 876-885.	4.9	37
72	Isothermal hazards evaluation of benzoyl peroxide mixed with benzoic acid via TAM III test. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1625-1631.	3.6	36

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73	Calorimetric Techniques Combined with Various Thermokinetic Models to Evaluate Incompatible Hazard of tert-Butyl Peroxy-2-ethyl Hexanoate Mixed with Metal Ions. Industrial & Engineering Chemistry Research, 2013, 52, 8206-8215.	3.7	36
74	Predictive models for thermal diffusivity and specific heat capacity of coals in Huainan mining area, China. Thermochimica Acta, 2017, 656, 101-111.	2.7	36
75	Effects of FeS2 on the process of coal spontaneous combustion at low temperatures. Chemical Engineering Research and Design, 2020, 142, 165-173.	5.6	36
76	Modeling liquid thermal explosion reactor containing tert-butyl peroxybenzoate. Journal of Thermal Analysis and Calorimetry, 2010, 102, 587-595.	3.6	35
77	Effects of ionic liquids on the chemical structure and exothermic properties of lignite. Journal of Molecular Liquids, 2020, 309, 113019.	4.9	35
78	Thermal properties of coals with different metamorphic levels in air atmosphere. Applied Thermal Engineering, 2018, 143, 542-549.	6.0	34
79	Treating bituminous coal with ionic liquids to inhibit coalÂspontaneous combustion. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2711-2721.	3.6	34
80	Calorimetric approach to establishing thermokinetics for cosmeceutical benzoyl peroxides containing metal ions. Journal of Thermal Analysis and Calorimetry, 2021, 144, 373-382.	3.6	34
81	Thermal polymerization of uninhibited styrene investigated by using microcalorimetry. Journal of Hazardous Materials, 2009, 163, 1385-1390.	12.4	33
82	Hazard assessment of the thermal stability of nitrification by-products by using an advanced kinetic model. Chemical Engineering Research and Design, 2022, 160, 91-101.	5.6	33
83	Thermal explosion simulation and incompatible reaction of dicumyl peroxide by calorimetric technique. Journal of Thermal Analysis and Calorimetry, 2010, 102, 569-577.	3.6	32
84	Simulation approach to benzoyl peroxide decomposition kinetics by thermal calorimetric technique. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 115-120.	5.3	32
85	A new numerical method to predict the growth temperature of spontaneous combustion of 1/3 coking coal. Applied Thermal Engineering, 2018, 131, 221-229.	6.0	32
86	State of health prediction model based on internal resistance. International Journal of Energy Research, 2020, 44, 6502-6510.	4.5	32
87	Essential hazard and process safety assessment of para-toluene sulfonic acid through calorimetry and advanced thermokinetics. Journal of Loss Prevention in the Process Industries, 2021, 72, 104558.	3.3	32
88	Thermal hazard analyses of organic peroxides and inorganic peroxides by calorimetric approaches. Journal of Thermal Analysis and Calorimetry, 2012, 109, 355-364.	3.6	31
89	Flame propagation behaviors and influential factors of TiH2 dust explosions at a constant pressure. International Journal of Hydrogen Energy, 2018, 43, 16355-16363.	7.1	31
90	Thermal hazards analysis for benzoyl peroxide in the presence of hexanoic acid. Chemical Engineering Research and Design, 2022, 157, 208-217.	5.6	31

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91	Applications of thermal hazard analyses on process safety assessments. Journal of Loss Prevention in the Process Industries, 2015, 33, 59-69.	3.3	30
92	Comprehensive runaway kinetic analysis and validation of three azo compounds using calorimetric approach and simulation. Journal of Loss Prevention in the Process Industries, 2017, 49, 970-982.	3.3	30
93	Thermal decomposition of imidazolium-based ionic liquid binary mixture: Processes and mechanisms. Journal of Molecular Liquids, 2018, 272, 37-42.	4.9	30
94	Evaluation for the thermokinetics of the autocatalytic reaction of cumene hydroperoxide mixed with phenol through isothermal approaches and simulations. Chemical Engineering Research and Design, 2018, 117, 426-438.	5.6	30
95	Experimental study of thermophysical properties of coal gangue at initial stage of spontaneous combustion. Journal of Hazardous Materials, 2020, 400, 123251.	12.4	30
96	A novel methodology for evaluating the inhibitory effect of chloride salts on the ignition risk of coal spontaneous combustion. Energy, 2021, 231, 121093.	8.8	30
97	Multiapproach thermodynamic and kinetic characterization of the thermal hazards of 2,2â€²-azobis(2-methylpropionate) alone and when mixed with several solvents. Journal of Loss Prevention in the Process Industries, 2018, 51, 150-158.	3.3	29
98	Calorimetric evaluation of thermal stability and runaway hazard based on thermokinetic parameters of O,Oâ€“dimethyl phosphoramidothioate. Journal of Loss Prevention in the Process Industries, 2022, 75, 104697.	3.3	29
99	Gas-heat characteristics and oxidation kinetics of coal spontaneous combustion in heating and decaying processes. Energy, 2022, 250, 123810.	8.8	29
100	Evaluation and Modeling Runaway Reaction of Methyl Ethyl Ketone Peroxide Mixed with Nitric Acid. Industrial & Engineering Chemistry Research, 2007, 46, 8738-8745.	3.7	28
101	Applications of 3D QRA technique to the fire/explosion simulation and hazard mitigation within a naphtha-cracking plant. Journal of Loss Prevention in the Process Industries, 2009, 22, 506-515.	3.3	28
102	Minimum ignition temperature of aluminium dust clouds via the Godbertâ€“Greenwald furnace. Chemical Engineering Research and Design, 2019, 129, 176-183.	5.6	28
103	Effects of 1-butyl-3-methylimidazolium tetrafluoroborate on the exothermic and heat transfer characteristics of coal during low-temperature oxidation. Fuel, 2020, 273, 117589.	6.4	28
104	Thermal hazards of benzoyl peroxide and its derived process products through theoretical thermodynamics assessment and different calorimetric technologies. Journal of Hazardous Materials, 2019, 380, 120891.	12.4	27
105	Thermal decomposition of carbon nanotube/Al2O3 powders by DSC testing. Composites Science and Technology, 2008, 68, 2954-2959.	7.8	26
106	Hierarchical kinetic simulation for autocatalytic decomposition of cumene hydroperoxide at low temperatures. Journal of Thermal Analysis and Calorimetry, 2009, 96, 751-758.	3.6	26
107	Runaway reaction of lauroyl peroxide with nitric acid by DSC. Journal of Thermal Analysis and Calorimetry, 2010, 102, 535-539.	3.6	26
108	Potential explosion hazard of polyester resin dust formed from a granulation process: Limiting oxygen concentration with different pressures. Applied Thermal Engineering, 2018, 135, 74-82.	6.0	26

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109	Complex thermal analysis and runaway reaction of 2,2â€²-azobis (isobutyronitrile) using DSC, STA, VSP2, and GC/MS. Journal of Loss Prevention in the Process Industries, 2019, 60, 87-95.	3.3	26
110	Effectiveness of a high-temperature-programmed experimental system in simulating particle size effects on hazardous gas emissions in bituminous coal. Safety Science, 2019, 115, 353-361.	4.9	26
111	Effects of oxygen concentrations on the coal oxidation characteristics and functional groups. Journal of Thermal Analysis and Calorimetry, 2020, 142, 899-912.	3.6	26
112	Self-ignition risk classification for coal dust layers of three coal types on a hot surface. Energy, 2021, 216, 119197.	8.8	26
113	Correction model for CO detection in the coal combustion loss process in mines based on GWO-SVM. Journal of Loss Prevention in the Process Industries, 2021, 71, 104439.	3.3	26
114	Thermal hazards of a green antimicrobial peracetic acid combining DSC calorimeter with thermal analysis equations. Journal of Thermal Analysis and Calorimetry, 2015, 119, 2257-2267.	3.6	24
115	Process safety evaluation of the synthesis of tert-butyl peracetate. Journal of Loss Prevention in the Process Industries, 2018, 54, 153-162.	3.3	24
116	Thermophysical parameters of coal with various levels of preoxidation. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2819-2829.	3.6	24
117	Thermal stability and flammability assessment of 1-ethyl-2, 3-dimethylimidazolium nitrate. Chemical Engineering Research and Design, 2020, 135, 219-227.	5.6	24
118	Comparisons of MWCNTs and acidified process by HNO3 on thermal stability by DSC and TG-FTIR. Journal of Thermal Analysis and Calorimetry, 2010, 102, 641-646.	3.6	23
119	Synthesis of novel ZSM-22 zeolite from Taiwanese coal fly ash for the selective separation of Rhodamine 6G. Journal of Materials Research and Technology, 2020, 9, 15381-15393.	5.8	23
120	Coupling effect of operational factors on heat extraction from a coal pile using a two-phase closed thermosyphon. Energy, 2022, 239, 122371.	8.8	23
121	Calorimetric studies on the thermal hazard of methyl ethyl ketone peroxide with incompatible substances. Journal of Hazardous Materials, 2007, 141, 762-768.	12.4	22
122	Reactions of cumene hydroperoxide mixed with sodium hydroxide. Journal of Hazardous Materials, 2008, 152, 1214-1219.	12.4	22
123	Thermokinetic parameter evaluation by DSC and TAM III along with accountability of mass loss by TG from the thermal decomposition analyses of benzoyl peroxide. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1143-1150.	3.6	22
124	Thermal hazard evaluation of cyclohexanone peroxide synthesis. Journal of Thermal Analysis and Calorimetry, 2016, 124, 1131-1139.	3.6	22
125	Effect of the initial oxidized status of coal dust on the deflagration severities and flame behaviors of pulverized coal explosion in various methane-air atmospheres. Fuel, 2022, 315, 123211.	6.4	22
126	Effects of acetone on methyl ethyl ketone peroxide runaway reaction. Journal of Hazardous Materials, 2008, 153, 1071-1077.	12.4	21

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127	Reaction simulation of multistage evaluations for AMBN based on DSC experiments. Thermochimica Acta, 2018, 661, 18-26.	2.7	21
128	Effect of stirring on the safety of flammable liquid mixtures. Journal of Hazardous Materials, 2010, 177, 1093-1101.	12.4	20
129	Thermal risk analysis of cumene hydroperoxide in the presence of alkaline catalysts. Journal of Loss Prevention in the Process Industries, 2012, 25, 176-180.	3.3	20
130	Temperature effects on thermal diffusivity of bituminous coal using different pre-oxidation levels in a nitrogenous atmosphere. Fuel, 2021, 288, 119640.	6.4	20
131	Fabrication of nanoparticles on vertically aligned multi-wall carbon nanotubes by e-beam evaporation. Materials & Design, 2010, 31, 1684-1687.	5.1	19
132	Evaluation of thermal decomposition phenomenon for 1,1-bis(tert-butylperoxy)-3,3,5-trimethylcyclohexane by DSC and VSP2. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1125-1133.	3.6	19
133	Analysis of thermal hazards of O,O-dimethylphosphoramidothioate by DSC, TG, VSP2, and GC/MS. Thermochimica Acta, 2017, 652, 69-76.	2.7	19
134	Increased flammability hazard when ionic liquid [C6mim][Cl] is exposed to high temperatures. Journal of Hazardous Materials, 2019, 367, 407-417.	12.4	19
135	Macrocharacteristics and the inhibiting effect of coal spontaneous combustion with various treatment durations of ionic liquids. Thermochimica Acta, 2021, 703, 179012.	2.7	19
136	Thermal hazard analysis of triacetone triperoxide (TATP) by DSC and GC/MS. Journal of Loss Prevention in the Process Industries, 2012, 25, 1069-1074.	3.3	18
137	Thermophysical properties of coal during low temperature oxidation under different oxygen concentrations. Thermochimica Acta, 2019, 676, 186-197.	2.7	18
138	Experimental and numerical investigation of the influence of laterally sprayed water mist on a methane-air jet flame. Chemical Engineering Journal, 2019, 356, 554-569.	12.7	18
139	Fractal characteristics of methane migration channels in inclined coal seams. Energy, 2021, 225, 120127.	8.8	18
140	Hazard evaluation, explosion risk, and thermal behaviour of magnesium- aluminium alloys during the polishing process by using a 20-L apparatus, MIEA, and TGA. Chemical Engineering Research and Design, 2021, 153, 268-277.	5.6	18
141	Silver recovery and chemical oxygen demand (COD) removal from waste fixer solutions. Applied Energy, 2012, 100, 187-192.	10.1	17
142	Thermal runaway analyses for two organic peroxides with H2O and dry fire-extinguishing chemicals by DSC and VSP2. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1611-1618.	3.6	17
143	Thermal hazard assessment for three C rates for a Li-polymer battery by using vent sizing package 2. Journal of Thermal Analysis and Calorimetry, 2017, 127, 809-817.	3.6	17
144	Effects of 1-butyl-3-methylimidazolium nitrate on the thermal hazardous properties of lignitous and long flame coal through a green approach and thermokinetic models. Chemical Engineering Research and Design, 2019, 131, 127-134.	5.6	17

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145	Thermal hazard simulations for methyl ethyl ketone peroxide induced by contaminants. Korean Journal of Chemical Engineering, 2005, 22, 797-802.	2.7	16
146	Calorimetric Thermal Hazards of tert-Butyl Hydroperoxide Solutions. Industrial & Engineering Chemistry Research, 2010, 49, 8959-8968.	3.7	16
147	Thermokinetics simulation for multi-walled carbon nanotubes with sodium alginate by advanced kinetics and technology solutions. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1603-1610.	3.6	16
148	Thermal diffusivity of coal and its predictive model in nitrogen and air atmospheres. Applied Thermal Engineering, 2018, 130, 1233-1245.	6.0	16
149	Evaluation of thermal hazards based on thermokinetic parameters of 2-(1-cyano-1-methylethyl)azocarboxamide by ARC and DSC. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2873-2881.	3.6	16
150	Combustion behaviors and explosibility of suspended metal hydride TiH2 dust. International Journal of Hydrogen Energy, 2020, 45, 12216-12224.	7.1	16
151	Probabilistic semantic network-based image retrieval using MMM and relevance feedback. Multimedia Tools and Applications, 2006, 30, 131-147.	3.9	15
152	Multi-walled carbon nanotube thermal stability characteristics evaluation by DSC tests. Journal of Loss Prevention in the Process Industries, 2012, 25, 302-308.	3.3	15
153	Incompatible reaction for (3-4-epoxycyclohexane) methyl-3â€²-4â€²-epoxycyclohexyl-carboxylate (EEC) by calorimetric technology and theoretical kinetic model. Journal of Thermal Analysis and Calorimetry, 2014, 116, 1445-1452.	3.6	15
154	Fire accident investigation of an explosion caused by static electricity in a propylene plant. Chemical Engineering Research and Design, 2015, 97, 116-121.	5.6	15
155	Thermal stability simulations of 1,1-bis(tert-butylperoxy)-3,3,5 trimethylcyclohexane mixed with metal ions. Journal of Thermal Analysis and Calorimetry, 2017, 130, 949-957.	3.6	15
156	Kinetic and thermal safety analysis for tert-butyl peroxy-3,5,5-trimethylhexanoate by advanced calorimetric technology. Journal of Thermal Analysis and Calorimetry, 2017, 127, 2253-2262.	3.6	15
157	Thermal release hazard for the decomposition of cumene hydroperoxide in the presence of incompatibles using differential scanning calorimetry, thermal activity monitor III, and thermal imaging camera. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1061-1069.	3.6	15
158	Thermokinetic analysis of the stability of malic and salicylic acids in cosmeceutical formulations containing metal oxides. Journal of Thermal Analysis and Calorimetry, 2018, 132, 165-172.	3.6	15
159	Effects of 1-butyl-3-metylimidazolium tetrafluoroborate on the thermal hazard of triacetone triperoxide (TATP). Chemical Engineering Research and Design, 2021, 149, 518-525.	5.6	15
160	Thermal hazard evaluation on spontaneous combustion characteristics of nitrocellulose solution under different atmospheric conditions. Scientific Reports, 2021, 11, 24053.	3.3	15
161	Loss prevention in the petrochemical and chemical-process high-tech industries in Taiwan. Journal of Loss Prevention in the Process Industries, 2010, 23, 531-538.	3.3	14
162	Effects of stirring rate for thermal runaway reaction in cumene hydroperoxide manufacturing process using calorimetric techniques. Journal of Thermal Analysis and Calorimetry, 2011, 106, 243-248.	3.6	14

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163	Thermal reactive hazards of 1,1-bis(tert-butylperoxy)cyclohexane with nitric acid contaminants by DSC. Journal of Thermal Analysis and Calorimetry, 2012, 109, 1253-1260.	3.6	14
164	Thermal hazard analysis and initial decomposition mechanism of 5-(4-pyridyl)tetrazolate-methylene tetrazole. Fuel, 2020, 269, 117434.	6.4	14
165	A generalized differential method to calculate lumped kinetic triplet of the nth order model for the global one-step heterogeneous reaction using TG data. Journal of Loss Prevention in the Process Industries, 2020, 64, 104094.	3.3	14
166	Thermal hazard analysis of 1-((cyano-1-methylethyl) azo) formamide and effect of incompatible substances on its thermal decomposition. Journal of Loss Prevention in the Process Industries, 2020, 65, 104098.	3.3	14
167	Thermokinetic analysis of the stability of acetic anhydride hydrolysis in isothermal calorimetry techniques. Journal of Thermal Analysis and Calorimetry, 2022, 147, 7865-7873.	3.6	14
168	Study on thermal stability and thermal decomposition mechanism of 1-((cyano-1-methylethyl) azo) formamide. Chemical Engineering Research and Design, 2021, 155, 219-229.	5.6	14
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