

Chi-Min Shu

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332
papers

4,962
citations

36
h-index

49
g-index

344
ext. papers

6,763
ext. citations

4.9
avg, IF

6.6
L-index

#	Paper	IF	Citations
332	Progressive utilisation prospects of coal fly ash: A review. <i>Science of the Total Environment</i> , 2019 , 672, 951-989	10.2	160
331	Comparative analysis of thermokinetic behavior and gaseous products between first and second coal spontaneous combustion. <i>Fuel</i> , 2018 , 227, 325-333	7.1	95
330	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. <i>Energy</i> , 2019 , 169, 587-596	7.9	79
329	Experimental study on the thermal properties of coal during pyrolysis, oxidation, and re-oxidation. <i>Applied Thermal Engineering</i> , 2017 , 110, 1137-1152	5.8	77
328	Inhibiting effects of three commercial inhibitors in spontaneous coal combustion. <i>Energy</i> , 2018 , 160, 1174-1185	7.9	68
327	Combustion properties of coal gangue using thermogravimetry-Fourier transform infrared spectroscopy. <i>Applied Thermal Engineering</i> , 2017 , 116, 244-252	5.8	67
326	Thermal Runaway Hazards of Cumene Hydroperoxide with Contaminants. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1125-1132	3.9	65
325	Correlation analysis of the functional groups and exothermic characteristics of bituminous coal molecules during high-temperature oxidation. <i>Energy</i> , 2019 , 181, 136-147	7.9	64
324	Thermal runaway features of 18650 lithium-ion batteries for LiFePO ₄ cathode material by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 1297-1302	4.1	62
323	Runaway reaction and thermal hazards simulation of cumene hydroperoxide by DSC. <i>Journal of Loss Prevention in the Process Industries</i> , 2008 , 21, 101-109	3.5	60
322	Overview of commonly used materials for coal spontaneous combustion prevention. <i>Fuel</i> , 2020 , 275, 117981	7.1	59
321	Thermokinetic characteristics of coal spontaneous combustion based on thermogravimetric analysis. <i>Fuel</i> , 2019 , 250, 235-244	7.1	57
320	Dynamic hazard evaluation of explosion severity for premixed hydrogen-air mixtures in a spherical pressure vessel. <i>Fuel</i> , 2020 , 261, 116433	7.1	57
319	Hazard evaluation of explosion venting behaviours for premixed hydrogen-air fuels with different bursting pressures. <i>Fuel</i> , 2020 , 268, 117313	7.1	55
318	A comparison of random forest and support vector machine approaches to predict coal spontaneous combustion in gob. <i>Fuel</i> , 2019 , 239, 297-311	7.1	54
317	Thermal behavior and microcharacterization analysis of second-oxidized coal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 439-448	4.1	52
316	Experimental and numerical simulation study of the thermal hazards of four azo compounds. <i>Journal of Hazardous Materials</i> , 2019 , 365, 164-177	12.8	52

3 ¹⁵	Thermal hazard evaluation of the autocatalytic reaction of benzoyl peroxide using DSC and TAM III. <i>Thermochimica Acta</i> , 2015 , 605, 68-76	2.9	47
3 ¹⁴	Experimental study on the corresponding relationship between the index gases and critical temperature for coal spontaneous combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 1009-1017	4.1	47
3 ¹³	Modeling solid thermal explosion containment on reactor HNIW and HMX. <i>Journal of Hazardous Materials</i> , 2010 , 176, 549-58	12.8	47
3 ¹²	Thermal explosion analysis of methyl ethyl ketone peroxide by non-isothermal and isothermal calorimetric applications. <i>Journal of Hazardous Materials</i> , 2009 , 171, 1145-9	12.8	46
3 ¹¹	Microcharacteristic analysis of CH ₄ emissions under different conditions during coal spontaneous combustion with high-temperature oxidation and in situ FTIR. <i>Energy</i> , 2020 , 209, 118494	7.9	46
3 ¹⁰	Evaluation of runaway reaction for dicumyl peroxide in a batch reactor by DSC and VSP2. <i>Journal of Loss Prevention in the Process Industries</i> , 2009 , 22, 721-727	3.5	44
3 ⁰⁹	Study of combustion behaviour and kinetics modelling of Chinese Gongwusu coal gangue: Model-fitting and model-free approaches. <i>Fuel</i> , 2020 , 268, 117284	7.1	42
3 ⁰⁸	Inconsistencies of e-waste management in developing nations - Facts and plausible solutions. <i>Journal of Environmental Management</i> , 2020 , 261, 110234	7.9	42
3 ⁰⁷	Spontaneous combustion in six types of coal by using the simultaneous thermal analysis-Fourier transform infrared spectroscopy technique. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1591-1602	11.1	42
3 ⁰⁶	Autoignition Temperature Data for Methanol, Ethanol, Propanol, 2-Butanol, 1-Butanol, and 2-Methyl-2,4-pentanediol. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5059-5064	2.8	41
3 ⁰⁵	Explosion venting hazards of temperature effects and pressure characteristics for premixed hydrogen-air mixtures in a spherical container. <i>Fuel</i> , 2021 , 290, 120034	7.1	41
3 ⁰⁴	Experimental investigation on using ionic liquid to control spontaneous combustion of lignite. <i>Chemical Engineering Research and Design</i> , 2020 , 142, 138-149	5.5	40
3 ⁰³	Effects of cumene hydroperoxide on phenol and acetone manufacturing by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 579-585	4.1	40
3 ⁰²	Thermal hazard analyses and incompatible reaction evaluation of hydrogen peroxide by DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 563-568	4.1	39
3 ⁰¹	Low-temperature exothermic oxidation characteristics and spontaneous combustion risk of pulverised coal. <i>Fuel</i> , 2019 , 252, 238-245	7.1	38
3 ⁰⁰	Effects of imidazole ionic liquid on macroparameters and microstructure of bituminous coal during low-temperature oxidation. <i>Fuel</i> , 2019 , 246, 160-168	7.1	38
2 ⁹⁹	Advanced technology of thermal decomposition for AMBN and ABVN by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 533-540	4.1	37
2 ⁹⁸	Study of thermal decomposition of methyl ethyl ketone peroxide using DSC and simulation. <i>Journal of Hazardous Materials</i> , 2007 , 142, 765-70	12.8	36

297	Prediction of thermal hazard for TBPTMH mixed with BPO through DSC and isoconversional kinetics analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1937-1945	4.1	36
296	Comparison of the inhibition mechanisms of five types of inhibitors on spontaneous coal combustion. <i>International Journal of Energy Research</i> , 2018 , 42, 1158-1171	4.5	35
295	A green approach towards adoption of chemical reaction model on 2,5-dimethyl-2,5-di-(tert-butylperoxy)hexane decomposition by differential isoconversional kinetic analysis. <i>Journal of Hazardous Materials</i> , 2016 , 301, 222-32	12.8	35
294	Isothermal hazards evaluation of benzoyl peroxide mixed with benzoic acid via TAM III test. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 113, 1625-1631	4.1	34
293	Modeling liquid thermal explosion reactor containing tert-butyl peroxybenzoate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 587-595	4.1	33
292	Inhibition of spontaneous combustion for different metamorphic degrees of coal using Zn/Mg/Al ₂ O ₃ layered double hydroxides. <i>Chemical Engineering Research and Design</i> , 2018 , 113, 401-412	5.5	33
291	Inhibiting effects of 1-butyl-3-methyl imidazole tetrafluoroborate on coal spontaneous combustion under different oxygen concentrations. <i>Energy</i> , 2019 , 186, 115907	7.9	32
290	Transesterification of waste cooking oil using pyrolysis residue supported eggshell catalyst. <i>Science of the Total Environment</i> , 2019 , 661, 316-325	10.2	31
289	Combustion of 1-butylimidazolium nitrate via DSC, TG, VSP2, FTIR, and GC/MS: An approach for thermal hazard, property and prediction assessment. <i>Chemical Engineering Research and Design</i> , 2018 , 116, 603-614	5.5	31
288	Calorimetric Techniques Combined with Various Thermokinetic Models to Evaluate Incompatible Hazard of tert-Butyl Peroxy-2-ethyl Hexanoate Mixed with Metal Ions. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 8206-8215	3.9	31
287	Thermokinetic parameters and thermal hazard evaluation for three organic peroxides by DSC and TAM III. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 106, 165-172	4.1	30
286	Thermal explosion and runaway reaction simulation of lauroyl peroxide by DSC tests. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 777-782	4.1	30
285	Effects of thermal hazard on 18650 lithium-ion battery under different states of charge. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 525-531	4.1	29
284	Comparisons of nth-order kinetic algorithms and kinetic model simulation on HMX by DSC tests. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 607-614	4.1	29
283	Thermal explosion simulation and incompatible reaction of dicumyl peroxide by calorimetric technique. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 569-577	4.1	29
282	Kinetics and hazards of thermal decomposition of methyl ethyl ketone peroxide by DSC. <i>Thermochimica Acta</i> , 2005 , 430, 67-71	2.9	29
281	Effect of water immersion on active functional groups and characteristic temperatures of bituminous coal. <i>Energy</i> , 2020 , 205, 118076	7.9	28
280	A new numerical method to predict the growth temperature of spontaneous combustion of 1/3 coking coal. <i>Applied Thermal Engineering</i> , 2018 , 131, 221-229	5.8	28

279	Effects on the activities of coal microstructure and oxidation treated by imidazolium-based ionic liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 453-463	4.1	28
278	Inhibiting effect of imidazolium-based ionic liquids on the spontaneous combustion characteristics of lignite. <i>Fuel</i> , 2018 , 217, 508-514	7.1	28
277	Comparative analysis of exothermic behaviour of fresh and weathered coal during low-temperature oxidation. <i>Fuel</i> , 2021 , 289, 119942	7.1	28
276	Thermal analysis of the pyrolysis and oxidation behaviour of 1/3 coking coal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 129, 1779-1786	4.1	27
275	Applications of thermal hazard analyses on process safety assessments. <i>Journal of Loss Prevention in the Process Industries</i> , 2015 , 33, 59-69	3.5	27
274	Effects of particle size on the self-ignition behaviour of a coal dust layer on a hot plate. <i>Fuel</i> , 2020 , 260, 116269	7.1	27
273	Critical particle size analysis of gas emission under high-temperature oxidation of weathered coal. <i>Energy</i> , 2021 , 214, 118995	7.9	27
272	Thermal polymerization of uninhibited styrene investigated by using microcalorimetry. <i>Journal of Hazardous Materials</i> , 2009 , 163, 1385-90	12.8	26
271	Investigation of the flammability zone of o-xylene under various pressures and oxygen concentrations at 150 °C. <i>Journal of Loss Prevention in the Process Industries</i> , 2002 , 15, 253-263	3.5	26
270	Treating bituminous coal with ionic liquids to inhibit coal spontaneous combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 2711-2721	4.1	25
269	Model To Estimate the Flammability Limits of Fuel/Air Diluent Mixtures Tested in a Constant Pressure Vessel. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2747-2761	3.9	25
268	Evaluation and Modeling Runaway Reaction of Methyl Ethyl Ketone Peroxide Mixed with Nitric Acid. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 8738-8745	3.9	25
267	Prediction indices and limiting parameters of coal spontaneous combustion in the Huainan mining area in China. <i>Fuel</i> , 2020 , 264, 116883	7.1	25
266	Comprehensive runaway kinetic analysis and validation of three azo compounds using calorimetric approach and simulation. <i>Journal of Loss Prevention in the Process Industries</i> , 2017 , 49, 970-982	3.5	24
265	Thermogravimetric analysis of the effects of four ionic liquids on the combustion characteristics and kinetics of weak caking coal. <i>Journal of Molecular Liquids</i> , 2019 , 277, 876-885	6	24
264	Preparation and characterization of animal bone powder impregnated fly ash catalyst for transesterification. <i>Science of the Total Environment</i> , 2019 , 669, 314-321	10.2	24
263	Simulation approach to benzoyl peroxide decomposition kinetics by thermal calorimetric technique. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 115-120	5.3	24
262	Thermal hazard analyses of organic peroxides and inorganic peroxides by calorimetric approaches. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 355-364	4.1	24

261	Runaway reaction of lauroyl peroxide with nitric acid by DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 535-539	4.1	24
260	Factors influencing the gas adsorption thermodynamic characteristics of low-rank coal. <i>Fuel</i> , 2019 , 248, 117-126	7.1	23
259	Applications of 3D QRA technique to the fire/explosion simulation and hazard mitigation within a naphtha-cracking plant. <i>Journal of Loss Prevention in the Process Industries</i> , 2009 , 22, 506-515	3.5	23
258	Effects of FeS ₂ on the process of coal spontaneous combustion at low temperatures. <i>Chemical Engineering Research and Design</i> , 2020 , 142, 165-173	5.5	22
257	Multiapproach thermodynamic and kinetic characterization of the thermal hazards of 2,2'-azobis(2-methylpropionate) alone and when mixed with several solvents. <i>Journal of Loss Prevention in the Process Industries</i> , 2018 , 51, 150-158	3.5	22
256	Inhibitory effects of three chemical dust suppressants on nitrocellulose dust cloud explosion. <i>AIChE Journal</i> , 2020 , 66, e16888	3.6	22
255	Effects of 1-butyl-3-methylimidazolium tetrafluoroborate on the exothermic and heat transfer characteristics of coal during low-temperature oxidation. <i>Fuel</i> , 2020 , 273, 117589	7.1	22
254	Effects of ionic liquids on the chemical structure and exothermic properties of lignite. <i>Journal of Molecular Liquids</i> , 2020 , 309, 113019	6	22
253	Thermal properties of coals with different metamorphic levels in air atmosphere. <i>Applied Thermal Engineering</i> , 2018 , 143, 542-549	5.8	22
252	Potential explosion hazard of polyester resin dust formed from a granulation process: Limiting oxygen concentration with different pressures. <i>Applied Thermal Engineering</i> , 2018 , 135, 74-82	5.8	21
251	Forced-air cooling system for large-scale lithium-ion battery modules during charge and discharge processes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 2891-2901	4.1	21
250	Predictive models for thermal diffusivity and specific heat capacity of coals in Huainan mining area, China. <i>Thermochimica Acta</i> , 2017 , 656, 101-111	2.9	21
249	Recovery of Gallium and Arsenic from Gallium Arsenide Waste in the Electronics Industry. <i>Clean - Soil, Air, Water</i> , 2012 , 40, 531-537	1.6	21
248	Reactions of cumene hydroperoxide mixed with sodium hydroxide. <i>Journal of Hazardous Materials</i> , 2008 , 152, 1214-9	12.8	21
247	Evaluation for the thermokinetics of the autocatalytic reaction of cumene hydroperoxide mixed with phenol through isothermal approaches and simulations. <i>Chemical Engineering Research and Design</i> , 2018 , 117, 426-438	5.5	21
246	Under-expansion jet flame propagation characteristics of premixed H ₂ /air in explosion venting. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	21
245	Effectiveness of a high-temperature-programmed experimental system in simulating particle size effects on hazardous gas emissions in bituminous coal. <i>Safety Science</i> , 2019 , 115, 353-361	5.8	20
244	Thermokinetic parameter evaluation by DSC and TAM III along with accountability of mass loss by TG from the thermal decomposition analyses of benzoyl peroxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1143-1150	4.1	19

243	Hierarchical kinetic simulation for autocatalytic decomposition of cumene hydroperoxide at low temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 751-758	4.1	19
242	Flammability studies of benzene and methanol with various vapor mixing ratios at 150°C. <i>Korean Journal of Chemical Engineering</i> , 2005 , 22, 803-812	2.8	19
241	Qualitative and quantitative characterisation for explosion severity and gaseous/solid residues during methane/coal particle hybrid explosions: An approach to estimating the safety degree for underground coal mines. <i>Chemical Engineering Research and Design</i> , 2020 , 141, 150-166	5.5	19
240	Thermal decomposition of imidazolium-based ionic liquid binary mixture: Processes and mechanisms. <i>Journal of Molecular Liquids</i> , 2018 , 272, 37-42	6	19
239	Thermal hazards of a green antimicrobial peracetic acid combining DSC calorimeter with thermal analysis equations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 2257-2267	4.1	18
238	Flame propagation behaviors and influential factors of TiH ₂ dust explosions at a constant pressure. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16355-16363	6.7	18
237	Molecular simulation of adsorption of gas in coal slit model under the action of liquid nitrogen. <i>Fuel</i> , 2019 , 255, 115775	7.1	18
236	Thermal hazard assessment of the thermal stability of acne cosmeceutical therapy using advanced calorimetry technology. <i>Chemical Engineering Research and Design</i> , 2019 , 131, 197-204	5.5	18
235	The synthesis and characterization of graphene oxides based on a modified approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 116, 1249-1255	4.1	18
234	Comparisons of MWCNTs and acidified process by HNO ₃ on thermal stability by DSC and TG-FTIR. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 641-646	4.1	18
233	Comprehensive index evaluation of the spontaneous combustion capability of different ranks of coal. <i>Fuel</i> , 2021 , 291, 120087	7.1	18
232	Effect of oxidation temperature and oxygen concentration on macro characteristics of pre-oxidised coal spontaneous combustion process. <i>Energy</i> , 2021 , 227, 120431	7.9	18
231	Analysis of thermal hazards of O,O-dimethylphosphoramidothioate by DSC, TG, VSP2, and GC/MS. <i>Thermochimica Acta</i> , 2017 , 652, 69-76	2.9	17
230	Using VSP2 to separate catalytic and self-decomposition reactions for hydrogen peroxide in the presence of hydrochloric acid. <i>Thermochimica Acta</i> , 2002 , 392-393, 259-269	2.9	17
229	Analysis of kinetics of thermal decomposition of melamine blended with phosphorous ionic liquid by green approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 2821-2831	4.1	17
228	Fuel properties and combustion kinetics of hydrochar derived from co-hydrothermal carbonization of tobacco residues and graphene oxide. <i>Biomass Conversion and Biorefinery</i> , 2020 , 10, 189-201	2.3	17
227	Thermal hazard evaluation of cyclohexanone peroxide synthesis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 1131-1139	4.1	16
226	Minimum ignition temperature of aluminium dust clouds via the Godbert-Greenwald furnace. <i>Chemical Engineering Research and Design</i> , 2019 , 129, 176-183	5.5	16

225	Thermophysical parameters of coal with various levels of preoxidation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 2819-2829	4.1	16
224	Complex thermal analysis and runaway reaction of 2,2'-azobis (isobutyronitrile) using DSC, STA, VSP2, and GC/MS. <i>Journal of Loss Prevention in the Process Industries</i> , 2019 , 60, 87-95	3.5	15
223	Transient temperature evolution of pulverized coal cloud deflagration in a methane-oxygen atmosphere. <i>Powder Technology</i> , 2020 , 366, 294-304	5.2	15
222	Flammability limits estimation for fuel-air diluent mixtures tested in a constant volume vessel. <i>Chemical Engineering Research and Design</i> , 2016 , 100, 150-162	5.5	15
221	Incompatible reaction for (3-4-epoxycyclohexane) methyl-3'-4'-epoxycyclohexyl-carboxylate (EEC) by calorimetric technology and theoretical kinetic model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 116, 1445-1452	4.1	15
220	Thermal stability of lauroyl peroxide by isoconversional kinetics evaluation and finite element analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 461-467	5.3	15
219	Thermal risk analysis of cumene hydroperoxide in the presence of alkaline catalysts. <i>Journal of Loss Prevention in the Process Industries</i> , 2012 , 25, 176-180	3.5	15
218	Thermokinetics simulation for multi-walled carbon nanotubes with sodium alginate by advanced kinetics and technology solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 113, 1603-1610	4.1	15
217	Thermal runaway analyses for two organic peroxides with H ₂ O and dry fire-extinguishing chemicals by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 113, 1611-1618	4.1	15
216	Smart Technology for Evaluating Fire Extinguishing Effect of tert-Butyl Hydroperoxide. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10969-10976	3.9	15
215	Thermal hazard simulations for methyl ethyl ketone peroxide induced by contaminants. <i>Korean Journal of Chemical Engineering</i> , 2005 , 22, 797-802	2.8	15
214	The graded warning method of coal spontaneous combustion in Tangjiahui Mine. <i>Fuel</i> , 2021 , 288, 119635	5.1	15
213	Ignition and explosion characteristics of micron-scale aluminum-silicon alloy powder. <i>Journal of Loss Prevention in the Process Industries</i> , 2019 , 62, 103940	3.5	14
212	Experimental study of thermophysical properties of coal gangue at initial stage of spontaneous combustion. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123251	12.8	14
211	Analysis of advancing speed effect in gas safety extraction channels and pressure-relief gas extraction. <i>Fuel</i> , 2020 , 265, 116825	7.1	14
210	Thermokinetic analysis of the stability of malic and salicylic acids in cosmeceutical formulations containing metal oxides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 165-172	4.1	14
209	Reaction simulation of multistage evaluations for AMBN based on DSC experiments. <i>Thermochimica Acta</i> , 2018 , 661, 18-26	2.9	14
208	Thermal hazards of benzoyl peroxide and its derived process products through theoretical thermodynamics assessment and different calorimetric technologies. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120891	12.8	14

207	Thermal hazard assessment for three C rates for a Li-polymer battery by using vent sizing package 2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 809-817	4.1	14
206	Thermal reactive hazards of 1,1-bis(tert-butylperoxy)cyclohexane with nitric acid contaminants by DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 1253-1260	4.1	14
205	Effects of flammability characteristics of methane with three inert gases. <i>Process Safety Progress</i> , 2010 , 29, 349-352	1	14
204	Influence of ignition delay on explosion severities of the methane-coal particle hybrid mixture at elevated injection pressures. <i>Powder Technology</i> , 2020 , 367, 860-876	5.2	14
203	Evaluation of thermal decomposition phenomenon for 1,1-bis(tert-butylperoxy)-3,3,5-trimethylcyclohexane by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1125-1133	4.1	13
202	Evaluation of adiabatic runaway reaction of methyl ethyl ketone peroxide by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 106, 173-177	4.1	13
201	Effects of oxygen concentration on the macroscopic characteristic indexes of high-temperature oxidation of coal. <i>Journal of the Energy Institute</i> , 2019 , 92, 554-566	5.7	13
200	State of health prediction model based on internal resistance. <i>International Journal of Energy Research</i> , 2020 , 44, 6502-6510	4.5	13
199	Temperature effects on thermal diffusivity of bituminous coal using different pre-oxidation levels in a nitrogenous atmosphere. <i>Fuel</i> , 2021 , 288, 119640	7.1	13
198	Self-ignition risk classification for coal dust layers of three coal types on a hot surface. <i>Energy</i> , 2021 , 216, 119197	7.9	13
197	Effects of oxygen concentrations on the coal oxidation characteristics and functional groups. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 899-912	4.1	12
196	Process safety evaluation of the synthesis of tert-butyl peracetate. <i>Journal of Loss Prevention in the Process Industries</i> , 2018 , 54, 153-162	3.5	12
195	Thermal hazard analysis and combustion characteristics of four imidazolium nitrate ionic liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 683-693	4.1	12
194	Thermal analyses of home-made zeolite by DSC and TG. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 945-950	4.1	12
193	Effects of stirring rate for thermal runaway reaction in cumene hydroperoxide manufacturing process using calorimetric techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 106, 243-248	4.1	12
192	Loss prevention in the petrochemical and chemical-process high-tech industries in Taiwan. <i>Journal of Loss Prevention in the Process Industries</i> , 2010 , 23, 531-538	3.5	12
191	Isothermal kinetic evaluation of methyl ethyl ketone peroxide mixed with acetone by TAM III tests. <i>Thermochimica Acta</i> , 2010 , 507-508, 45-48	2.9	12
190	Synthesis of novel ZSM-22 zeolite from Taiwanese coal fly ash for the selective separation of Rhodamine 6G. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 15381-15393	5.5	12

189	Experimental and numerical investigation of the influence of laterally sprayed water mist on a methane-air jet flame. <i>Chemical Engineering Journal</i> , 2019 , 356, 554-569	14.7	12
188	Increased flammability hazard when ionic liquid [Cmim][Cl] is exposed to high temperatures. <i>Journal of Hazardous Materials</i> , 2019 , 367, 407-417	12.8	12
187	Thermal stability simulations of 1,1-bis(tert-butylperoxy)-3,3,5 trimethylcyclohexane mixed with metal ions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 130, 949-957	4.1	11
186	Experimental study on explosion characteristics of hydrogen-propane mixtures. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 22712-22718	6.7	11
185	Fractal characteristics of gas migration channels at different mining heights. <i>Fuel</i> , 2020 , 271, 117479	7.1	11
184	Simulation of solid thermal explosion and liquid thermal explosion of dicumyl peroxide using calorimetric technique. <i>Simulation Modelling Practice and Theory</i> , 2011 , 19, 1251-1257	3.9	11
183	Thermal Stability Analysis of Lithium-Ion Battery Electrolytes Based on Lithium Bis(trifluoromethanesulfonyl)imide-Lithium Difluoro(oxalato)Borate Dual-Salt. <i>Polymers</i> , 2021 , 13,	4.5	11
182	Thermal diffusivity of coal and its predictive model in nitrogen and air atmospheres. <i>Applied Thermal Engineering</i> , 2018 , 130, 1233-1245	5.8	11
181	Using thermal analysis and kinetic calculation method to assess the thermal stability of 2,2'-azobis-(2-methylbutyronitrile). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 545-553	4.1	11
180	Coal bottom ash derived zeolite (SSZ-13) for the sorption of synthetic anion Alizarin Red S (ARS) dye. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125925	12.8	11
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