

# Chi-Min Shu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Investigative calorimetric studies and kinetic parameters estimation using analytical methods for self-reactive hazardous chemicals in a chemical manufacturing plant. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2022</b> , 76, 104743	3.5	0
331	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. <i>Fuel</i> , <b>2022</b> , 315, 123211	7.1	7
330	Hazard assessment of the thermal stability of nitrification by-products by using an advanced kinetic model. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 160, 91-91	5.5	0
329	Covid-19 and Energy sector - Unique opportunity for switching to clean energy.. <i>Gondwana Research</i> , <b>2022</b> ,	5.1	5
328	Macromorphological features and formation mechanism of particulate residues from methane/air/coal dust gas-solid two-phase hybrid explosions: An approach for material evidence analysis in accident investigation. <i>Fuel</i> , <b>2022</b> , 315, 123209	7.1	5
327	Inhibiting effects of carbonised and oxidised powders treated with ionic liquids on spontaneous combustion. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 157, 237-245	5.5	1
326	Thermal hazards analysis for benzoyl peroxide in the presence of hexanoic acid. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 157, 208-217	5.5	3
325	Calorimetric evaluation of thermal stability and runaway hazard based on thermokinetic parameters of O,O-dimethyl phosphoramidothioate. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2022</b> , 75, 104697	3.5	1
324	Coupling effect of operational factors on heat extraction from a coal pile using a two-phase closed thermosyphon. <i>Energy</i> , <b>2022</b> , 239, 122371	7.9	7
323	Microstructure of coal spontaneous combustion in low-oxygen atmospheres at characteristic temperatures. <i>Fuel</i> , <b>2022</b> , 309, 122132	7.1	7
322	Adaptive Evolutionary Computation for Nonlinear Hammerstein Control Autoregressive Systems with Key Term Separation Principle. <i>Mathematics</i> , <b>2022</b> , 10, 1001	2.3	3
321	Experimental study on explosion behavior of propane-dimethyl ether blends. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2022</b> , 104777	3.5	0
320	Gas-heat characteristics and oxidation kinetics of coal spontaneous combustion in heating and decaying processes. <i>Energy</i> , <b>2022</b> , 250, 123810	7.9	3
319	Carboxylate-functionalized dragon fruit peel powder as an effective adsorbent for the removal of Rhodamine B (cationic dye) from aqueous solution: adsorption behavior and mechanism.. <i>International Journal of Phytoremediation</i> , <b>2022</b> , 1-15	3.9	1
318	Knacks of Fractional Order Swarming Intelligence for Parameter Estimation of Harmonics in Electrical Systems. <i>Mathematics</i> , <b>2022</b> , 10, 1570	2.3	3
317	A Method to Derive the Characteristic and Kinetic Parameters of 1,1-Bis(tert-butylperoxy)cyclohexane from DSC Measurements. <i>Processes</i> , <b>2022</b> , 10, 1026	2.9	0
316	Energy stability prediction strategy for polymer electrolyte lithium batteries based upon an improved kinetic programming algorithm. <i>Energy Reports</i> , <b>2021</b> , 7, 6600-6614	4.6	0

315	Pressure Relief by Blasting Roof Cutting in Close Seam Group Mining under Thick Sandstone to Enhance Gas Extraction for Mining Safety. <i>Processes</i> , <b>2021</b> , 9, 603	2.9	7
314	Effect of oxygen concentration on combustion residues of polymerised styrene-butadiene rubber 1502. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 515-523	4.1	
313	Influence of element composition and microcrystalline structure on thermal properties of bituminous coal under nitrogen atmosphere. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 147, 846-858	5.5	3
312	Evaluation of the dust potential hazard of thermal power plants through coal dust combustion and explosion characteristics. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 575-585	4.1	1
311	Testing inhibitory effects of a panel of ionic liquids on differing phases of coal spontaneous combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 479-492	4.1	1
310	Thermal extraction from a low-temperature stage of coal pile spontaneous combustion by two-phase closed thermosyphon. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 587-597	4.1	1
309	Explosion venting hazards of temperature effects and pressure characteristics for premixed hydrogen-air mixtures in a spherical container. <i>Fuel</i> , <b>2021</b> , 290, 120034	7.1	41
308	Suitability of Oil Seed Residues as a Potential Source of Bio-Fuels and Bioenergy <b>2021</b> , 361-389		
307	Influence of thermal environment on metallographic structure characteristics of the electric arc bead pattern. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 70, 104426	3.5	0
306	Biomass to Bio Jet Fuels: A Take Off to the Aviation Industry <b>2021</b> , 183-213		2
305	Modeling thermal analysis for predicting thermal hazards relevant to transportation safety and runaway reaction for 2,2'-azobis(isobutyronitrile). <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 70, 104403	3.5	0
304	Inhibiting effects by Fe <sub>2</sub> O <sub>3</sub> on combustion and explosion characteristics of ABS resin. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 70, 104429	3.5	0
303	Adsorption of Reactive Red 195 from aqueous medium using Lotus () leaf powder chemically modified with dimethylamine: characterization, isotherms, kinetics, thermodynamics, and mechanism assessment. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 1-14	3.9	2
302	Predictive ability of four statistical models for determining the influence of coal thermophysical properties during the initial phase of coal spontaneous combustion. <i>Fuel</i> , <b>2021</b> , 292, 120348	7.1	5
301	Effects of 1-butyl-3-methylimidazolium tetrafluoroborate on the thermal hazard of triacetone triperoxide (TATP). <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 149, 518-525	5.5	5
300	Dust cloud explosion characteristics and mechanisms in MgH <sub>2</sub> -based hydrogen storage materials. <i>AIChE Journal</i> , <b>2021</b> , 67, e17302	3.6	10
299	Parametric sensitivity analysis for thermal runaway in semi-batch reactors: Application to cyclohexanone peroxide reactions. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 70, 104436	3.5	0
298	Thermal Effect and Mechanism Analysis of Flame-Retardant Modified Polymer Electrolyte for Lithium-Ion Battery. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6

297	Comprehensive index evaluation of the spontaneous combustion capability of different ranks of coal. <i>Fuel</i> , <b>2021</b> , 291, 120087	7.1	18
296	Fractal characteristics of methane migration channels in inclined coal seams. <i>Energy</i> , <b>2021</b> , 225, 120127	7.9	7
295	A multi-objective optimization method for under-the-hood thermal management of vehicles. <i>Applied Thermal Engineering</i> , <b>2021</b> , 192, 116818	5.8	1
294	Methane adsorption thermodynamics of coal sample subjected to liquid nitrogen freezing/thawing process. <i>Journal of Natural Gas Science and Engineering</i> , <b>2021</b> , 90, 103896	4.6	2
293	Explosion prevention and weighting analysis on the inerting effect of methane via grey entropy model. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 71, 104385	3.5	1
292	Study of lithium-ion battery module external short circuit under different temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 1065-1072	4.1	3
291	Transient process simulation of a thermal explosion at a propylene purification unit using calorimetric techniques. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127505	14.7	1
290	Isokinetic analysis on the oxidation of Jurassic coal: a case study of samples from Xinjiang, China. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 261-272	4.1	2
289	Volatilisation rate of pure and mixed flammable liquids: Examples of diethyl ether and nitromethane. <i>Fuel</i> , <b>2021</b> , 290, 119853	7.1	2
288	Temperature effects on thermal diffusivity of bituminous coal using different pre-oxidation levels in a nitrogenous atmosphere. <i>Fuel</i> , <b>2021</b> , 288, 119640	7.1	13
287	The graded warning method of coal spontaneous combustion in Tangjiahui Mine. <i>Fuel</i> , <b>2021</b> , 288, 119635	7.1	15
286	Critical particle size analysis of gas emission under high-temperature oxidation of weathered coal. <i>Energy</i> , <b>2021</b> , 214, 118995	7.9	27
285	Comparative analysis of exothermic behaviour of fresh and weathered coal during low-temperature oxidation. <i>Fuel</i> , <b>2021</b> , 289, 119942	7.1	28
284	Macrocharacteristics of gaseous indicator products and exothermicity during low-temperature oxidation of samples from different regions of the same coal seam from Huainan, Anhui, China. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 781-794	4.1	1
283	Intelligent Bayesian regularization networks for bio-convective nanofluid flow model involving gyro-tactic organisms with viscous dissipation, stratification and heat immersion. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2021</b> , 15, 1508-1530	4.5	6
282	Thermokinetics behaviour and parameters for spontaneous combustion of carbonised powders and oxidised powders from preparation of coal-based activated carbon. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 415-424	4.1	2
281	Thermal Stability Analysis of Lithium-Ion Battery Electrolytes Based on Lithium Bis(trifluoromethanesulfonyl)imide-Lithium Difluoro(oxalato)Borate Dual-Salt. <i>Polymers</i> , <b>2021</b> , 13,	4.5	11
280	Self-ignition risk classification for coal dust layers of three coal types on a hot surface. <i>Energy</i> , <b>2021</b> , 216, 119197	7.9	13

279	Effects of Explosion Shock Waves on Lung Injuries in Rabbits. <i>Shock and Vibration</i> , <b>2021</b> , 2021, 1-10	1.1	
278	Calorimetric approach to establishing thermokinetics for cosmetic benzoyl peroxides containing metal ions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 373-382	4.1	9
277	Effect of oxidation temperature and oxygen concentration on macro characteristics of pre-oxidised coal spontaneous combustion process. <i>Energy</i> , <b>2021</b> , 227, 120431	7.9	18
276	Encapsulating toxic Rhodamine 6G dye, and Cr (VI) metal ions from liquid phase using AlPO <sub>4</sub> -5 molecular sieves. Preparation, characterization, and adsorption parameters. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 336, 116549	6	3
275	Coal bottom ash derived zeolite (SSZ-13) for the sorption of synthetic anion Alizarin Red S (ARS) dye. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125925	12.8	11
274	A novel methodology for evaluating the inhibitory effect of chloride salts on the ignition risk of coal spontaneous combustion. <i>Energy</i> , <b>2021</b> , 231, 121093	7.9	6
273	Macrocharacteristics and the inhibiting effect of coal spontaneous combustion with various treatment durations of ionic liquids. <i>Thermochimica Acta</i> , <b>2021</b> , 703, 179012	2.9	5
272	Essential hazard and process safety assessment of para-toluene sulfonic acid through calorimetry and advanced thermokinetics. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 72, 104558	3.5	6
271	Hazard evaluation, explosion risk, and thermal behaviour of magnesium- aluminium alloys during the polishing process by using a 20-L apparatus, MIEA, and TGA. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 153, 268-277	5.5	5
270	Effectiveness and application of modified wind turbine coating: Adding ionic liquids to titanium dioxide and diatomaceous earth. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 72, 104566	3.5	1
269	Combustion characteristics of zirconium particles coated with ferrite nanoparticles. <i>Powder Technology</i> , <b>2021</b> , 389, 145-154	5.2	1
268	Thermal stability and exothermic behaviour of imidazole ionic liquids with different anion types under oxidising and inert atmospheres. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 117691	6	1
267	Numerical investigation on the influence of micropore structure characteristics on gas seepage in coal with lattice Boltzmann method. <i>Energy</i> , <b>2021</b> , 230, 120773	7.9	4
266	Nanofluidic two-phase closed thermosyphon-assisted thermoelectric generator for heat recovery from coal spontaneous combustion. <i>Applied Thermal Engineering</i> , <b>2021</b> , 197, 117397	5.8	1
265	Comparative studies on thermochemical behavior and kinetics of lignocellulosic biomass residues using TG-FTIR and Py-GC/MS. <i>Science of the Total Environment</i> , <b>2021</b> , 792, 148392	10.2	7
264	Under-expansion jet flame propagation characteristics of premixed H <sub>2</sub> /air in explosion venting. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	21
263	Synergistic acceleration effect of coal spontaneous combustion caused by moisture and associated pyrite. <i>Fuel</i> , <b>2021</b> , 304, 121458	7.1	6
262	Study on thermal stability and thermal decomposition mechanism of 1-((cyano-1-methylethyl) azo) formamide. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 155, 219-229	5.5	1

261	Evaluation of thermal reaction for two azo compounds by using 20-L apparatus and calorimetry. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2021</b> , 73, 104587	3.5	1
260	Recycling furnace slag and fly ash from industrial byproducts to produce slag/ash based zeolite as a new adsorbent material.. <i>Science Progress</i> , <b>2021</b> , 104, 368504221086707	1.1	0
259	Thermal hazard evaluation on spontaneous combustion characteristics of nitrocellulose solution under different atmospheric conditions.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24053	4.9	0
258	Using thermal analysis with kinetic calculation method to assess the thermal stability of 2-cyanopropan-2-yliminourea. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 64, 104084	3.5	3
257	Overview of commonly used materials for coal spontaneous combustion prevention. <i>Fuel</i> , <b>2020</b> , 275, 117981	7.1	59
256	Prediction and assessment of fly-up type of fireworks by thermokinetics model. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 927-936	4.1	0
255	Effect of water immersion on active functional groups and characteristic temperatures of bituminous coal. <i>Energy</i> , <b>2020</b> , 205, 118076	7.9	28
254	Fractal characteristics of gas migration channels at different mining heights. <i>Fuel</i> , <b>2020</b> , 271, 117479	7.1	11
253	Intrinsic Characteristics Combined with Gaseous Products and Active Groups of Coal under Low-Temperature Oxidation. <i>Combustion Science and Technology</i> , <b>2020</b> , 1-20	1.5	3
252	Flame behaviours and deflagration severities of aluminium powderBir mixture in a 20-L sphere: Computational fluid dynamics modelling and experimental validation. <i>Fuel</i> , <b>2020</b> , 276, 118028	7.1	10
251	CFD analysis and experimental study on the effect of oxygen level, particle size, and dust concentration on the flame evolution characteristics and explosion severity of cornstarch dust cloud deflagration in a spherical chamber. <i>Powder Technology</i> , <b>2020</b> , 372, 585-599	5.2	9
250	Experimental study of thermophysical properties of coal gangue at initial stage of spontaneous combustion. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123251	12.8	14
249	Thermal hazard analysis and initial decomposition mechanism of 5-(4-pyridyl)tetrazolate-methylene tetrazole. <i>Fuel</i> , <b>2020</b> , 269, 117434	7.1	4
248	Transient temperature evolution of pulverized coal cloud deflagration in a methaneBir oxygen atmosphere. <i>Powder Technology</i> , <b>2020</b> , 366, 294-304	5.2	15
247	Effects of FeS2 on the process of coal spontaneous combustion at low temperatures. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 142, 165-173	5.5	22
246	Experimental investigation on using ionic liquid to control spontaneous combustion of lignite. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 142, 138-149	5.5	40
245	Study of combustion behaviour and kinetics modelling of Chinese Gongwusu coal gangue: Model-fitting and model-free approaches. <i>Fuel</i> , <b>2020</b> , 268, 117284	7.1	42
244	Hazard evaluation of explosion venting behaviours for premixed hydrogen-air fuels with different bursting pressures. <i>Fuel</i> , <b>2020</b> , 268, 117313	7.1	55

243	Inconsistencies of e-waste management in developing nations - Facts and plausible solutions. <i>Journal of Environmental Management</i> , <b>2020</b> , 261, 110234	7.9	42
242	Analysis of advancing speed effect in gas safety extraction channels and pressure-relief gas extraction. <i>Fuel</i> , <b>2020</b> , 265, 116825	7.1	14
241	Thermal stability and flammability assessment of 1-ethyl-2, 3-dimethylimidazolium nitrate. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 135, 219-227	5.5	9
240	Effects of oxygen concentrations on the coal oxidation characteristics and functional groups. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 899-912	4.1	12
239	Synchronization of isothermal calorimetry and liquid cultivation identifying the beneficial conditions for producing ethanol by yeast <i>Saccharomyces cerevisiae</i> fermentation. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 829-840	4.1	2
238	Thermal decomposition characteristics of diethyl azodicarboxylate dissolved in three ionic liquids as solvents. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112564	6	0
237	Analysis and characterisation of 1-butyl-3-methylimidazolium hexafluorophosphate as a humectant of nitrocellulose. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112617	6	3
236	Metallurgical analysis of the cause of arc beads pattern characteristics under different short-circuit currents. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 68, 104339	3.5	0
235	Conversion of Waste Biomass to Bio-oils and Upgradation by Hydrothermal Liquefaction, Gasification, and Hydrodeoxygenation <b>2020</b> , 285-315		1
234	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> , <b>2020</b> , 141, 150-166	5.5	19
233	Safety evaluation of different acids in high-density polyethylene container loading. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 63, 103991	3.5	0
232	Dynamic hazard evaluation of explosion severity for premixed hydrogen/air mixtures in a spherical pressure vessel. <i>Fuel</i> , <b>2020</b> , 261, 116433	7.1	57
231	Prediction indices and limiting parameters of coal spontaneous combustion in the Huainan mining area in China. <i>Fuel</i> , <b>2020</b> , 264, 116883	7.1	25
230	Concealed risk in catalytic processes: How weather can initiate a catastrophe in an ethylbenzene-producing tower. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123474	14.7	1
229	Inhibitory effects of three chemical dust suppressants on nitrocellulose dust cloud explosion. <i>AIChE Journal</i> , <b>2020</b> , 66, e16888	3.6	22
228	Microcharacteristic analysis of CH <sub>4</sub> emissions under different conditions during coal spontaneous combustion with high-temperature oxidation and in situ FTIR. <i>Energy</i> , <b>2020</b> , 209, 118494	7.9	46
227	Suppression effects of ammonium dihydrogen phosphate dry powder and melamine pyrophosphate powder on an aluminium dust cloud explosion. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 68, 104312	3.5	6
226	Thermokinetic behaviour and functional group variation during spontaneous combustion of raw coal and its preoxidised form.. <i>RSC Advances</i> , <b>2020</b> , 10, 24472-24482	3.7	6

225	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> , <b>2020</b> , 9, 15381-15393	5.5	12
224	Mathematical method for polymerised styrene butadiene rubber 1502 pyrolysis residue and gasoline differentiation. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 685-694	4.1	2
223	Experimental study of the effects of gas adsorption on the mechanical properties of coal. <i>Fuel</i> , <b>2020</b> , 281, 118745	7.1	7
222	Applications of dust explosion hazard and disaster prevention technology. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 68, 104304	3.5	3
221	Thermokinetic Characteristics of Jurassic Coal Spontaneous Combustion Based on Thermogravimetric Analysis. <i>Combustion Science and Technology</i> , <b>2020</b> , 1-15	1.5	1
220	Effect of separation distance on gas dispersion and vapor cloud explosion in a storage tank farm determined using computational fluid dynamics. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 68, 104282	3.5	3
219	Effects of Moisture and Associated Pyrite on the Microstructure of Anthracite Coal for Spontaneous Combustion. <i>ACS Omega</i> , <b>2020</b> , 5, 27607-27617	3.9	7
218	Fuel properties and combustion kinetics of hydrochar derived from co-hydrothermal carbonization of tobacco residues and graphene oxide. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 10, 189-201	2.3	17
217	Effects of platinum compounds/superfine aluminum hydroxide/ultrafine calcium carbonate on the flame retardation and smoke suppression of silicone foams. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 47679	2.9	4
216	Effects of particle size on the self-ignition behaviour of a coal dust layer on a hot plate. <i>Fuel</i> , <b>2020</b> , 260, 116269	7.1	27
215	Thermogravimetric evaluation of the effect of LiBF <sub>4</sub> on the thermal stability of three engine lubricants. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 297, 111842	6	2
214	State of health prediction model based on internal resistance. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 6502-6510	4.5	13
213	Effects of 1-butyl-3-methylimidazolium tetrafluoroborate on the exothermic and heat transfer characteristics of coal during low-temperature oxidation. <i>Fuel</i> , <b>2020</b> , 273, 117589	7.1	22
212	Thermal hazard analysis of 1-((cyano-1-methylethyl) azo) formamide and effect of incompatible substances on its thermal decomposition. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2020</b> , 65, 104098	3.5	5
211	Effects of ionic liquids on the chemical structure and exothermic properties of lignite. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 309, 113019	6	22
210	Influence of ignition delay on explosion severities of the methane/coal particle hybrid mixture at elevated injection pressures. <i>Powder Technology</i> , <b>2020</b> , 367, 860-876	5.2	14
209	Experimental data revealing explosion characteristics of methane, air, and coal mixtures.. <i>RSC Advances</i> , <b>2019</b> , 9, 24627-24637	3.7	6
208	Ignition and explosion characteristics of micron-scale aluminum/silicon alloy powder. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2019</b> , 62, 103940	3.5	14



207	Inhibiting effects of 1-butyl-3-methyl imidazole tetrafluoroborate on coal spontaneous combustion under different oxygen concentrations. <i>Energy</i> , <b>2019</b> , 186, 115907	7.9	32
206	Thermal effect of ionic liquids on coal spontaneous combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 3415-3424	4.1	7
205	Evaluation of thermal hazards based on thermokinetic parameters of 2-(1-cyano-1-methylethyl)azocarboxamide by ARC and DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 2873-2881	4.1	8
204	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> , <b>2019</b> , 169, 587-596	7.9	79
203	Transesterification of waste cooking oil using pyrolysis residue supported eggshell catalyst. <i>Science of the Total Environment</i> , <b>2019</b> , 661, 316-325	10.2	31
202	Oxidative stability and thermal performance of ester based lube oil with lithium salt additives. <i>Applied Thermal Engineering</i> , <b>2019</b> , 150, 1328-1336	5.8	5
201	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> , <b>2019</b> , 277, 876-885	6	24
200	Using thermal analysis and kinetics calculation method to assess the thermal stability of azobisdimethylvaleronitrile. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 2853-2863	4.1	5
199	Mechanical properties of coal and rock mass under thermo-mechanical coupling. <i>Arabian Journal of Geosciences</i> , <b>2019</b> , 12, 1	1.8	5
198	Thermophysical properties of coal during low temperature oxidation under different oxygen concentrations. <i>Thermochimica Acta</i> , <b>2019</b> , 676, 186-197	2.9	9
197	Correlation analysis of the functional groups and exothermic characteristics of bituminous coal molecules during high-temperature oxidation. <i>Energy</i> , <b>2019</b> , 181, 136-147	7.9	64
196	Gases and thermal behavior during high-temperature oxidation of weathered coal. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 1573-1582	4.1	7
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170	Thermal risk assessment of tert-butylperoxy-2-ethylhexyl carbonate for storage and transport. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 2891-2900	4.1	7
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164	Calculation methods of heat produced by a lithium-ion battery under charging-discharging condition. <i>Fire and Materials</i> , <b>2019</b> , 43, 219-226	1.8	8
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91	Application of ethylene diamine tetra acetic acid degrading bacterium Burkholderia cepacia on biotreatment process. <i>Bioresource Technology</i> , <b>2015</b> , 193, 357-62	11	3
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60	Thermal reactive hazards of 1,1-bis(tert-butylperoxy)cyclohexane with nitric acid contaminants by DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 1253-1260	4.1	14
59	Evaluation of thermal hazard for lauroyl peroxide by VSP2 and TAM III. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 1237-1243	4.1	6
58	Isothermal versus non-isothermal calorimetric technique to evaluate thermokinetic parameters and thermal hazard of tert-butyl peroxy-2-ethyl hexanoate. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 1291-1296	4.1	8
57	Exothermic behaviors in decomposition of three solid organic peroxides by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 1303-1309	4.1	9
56	Thermal runaway features of 18650 lithium-ion batteries for LiFePO <sub>4</sub> cathode material by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 1297-1302	4.1	62
55	Thermal hazard evaluation of lauroyl peroxide mixed with nitric acid. <i>Molecules</i> , <b>2012</b> , 17, 8056-67	4.8	9
54	Model To Estimate the Flammability Limits of Fuel/Air/Diluent Mixtures Tested in a Constant Pressure Vessel. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2747-2761	3.9	25
53	Thermal hazard analyses of organic peroxides and inorganic peroxides by calorimetric approaches. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 355-364	4.1	24
52	Recovery of Gallium and Arsenic from Gallium Arsenide Waste in the Electronics Industry. <i>Clean - Soil, Air, Water</i> , <b>2012</b> , 40, 531-537	1.6	21
51	Constructing an anticipation formula for fire loss in factory-type <b>2012</b> , 35, 803-814		1
50	Evaluation of adiabatic runaway reaction of methyl ethyl ketone peroxide by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 173-177	4.1	13
49	Effects of stirring rate for thermal runaway reaction in cumene hydroperoxide manufacturing process using calorimetric techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 243-248	4.1	12
48	Thermokinetic parameters and thermal hazard evaluation for three organic peroxides by DSC and TAM III. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 165-172	4.1	30
47	Fire and explosion hazard evaluation for the acetone aqueous solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 179-189	4.1	8
46	Thermal explosion simulation of methyl ethyl ketone peroxide in three types of vessel under the same volume by explosion models. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 235-241	4.1	7

45	Simulation of solid thermal explosion and liquid thermal explosion of dicumyl peroxide using calorimetric technique. <i>Simulation Modelling Practice and Theory</i> , <b>2011</b> , 19, 1251-1257	3.9	11
44	Autoignition Temperature Data for Methanol, Ethanol, Propanol, 2-Butanol, 1-Butanol, and 2-Methyl-2,4-pentanediol. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 5059-5064	2.8	41
43	Comparisons of nth-order kinetic algorithms and kinetic model simulation on HMX by DSC tests. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 100, 607-614	4.1	29
42	Thermal explosion simulation and incompatible reaction of dicumyl peroxide by calorimetric technique. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 569-577	4.1	29
41	Runaway reaction of lauroyl peroxide with nitric acid by DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 535-539	4.1	24
40	Effects of cumene hydroperoxide on phenol and acetone manufacturing by DSC and VSP2. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 579-585	4.1	40
39	Modeling liquid thermal explosion reactor containing tert-butyl peroxybenzoate. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 587-595	4.1	33
38	Evaluations of fire and explosion hazard for the mixtures of benzene and methanol using rough set method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 523-533	4.1	6
37	Thermal hazard analyses and incompatible reaction evaluation of hydrogen peroxide by DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 563-568	4.1	39
36	Comparisons of MWCNTs and acidified process by HNO <sub>3</sub> on thermal stability by DSC and TG-FTIR. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 641-646	4.1	18
35	Modeling solid thermal explosion containment on reactor HNIW and HMX. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 176, 549-58	12.8	47
34	Loss prevention in the petrochemical and chemical-process high-tech industries in Taiwan. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2010</b> , 23, 531-538	3.5	12
33	Isothermal kinetic evaluation of methyl ethyl ketone peroxide mixed with acetone by TAM III tests. <i>Thermochimica Acta</i> , <b>2010</b> , 507-508, 45-48	2.9	12
32	Reactive hazard analysis of cumene hydroperoxide and dicumyl hydroperoxide. <i>Process Safety Progress</i> , <b>2010</b> , 29, 162-165	1	6
31	Effects of flammability characteristics of methane with three inert gases. <i>Process Safety Progress</i> , <b>2010</b> , 29, 349-352	1	14
30	Hierarchical kinetic simulation for autocatalytic decomposition of cumene hydroperoxide at low temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 96, 751-758	4.1	19
29	Thermal characteristics and regeneration analyses of adsorbents by differential scanning calorimetry and scanning electron microscope. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 96, 765-769	4.1	9
28	Thermal explosion and runaway reaction simulation of lauroyl peroxide by DSC tests. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 96, 777-782	4.1	30

27	Thermal polymerization of uninhibited styrene investigated by using microcalorimetry. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 163, 1385-90	12.8	26
26	Thermal explosion analysis of methyl ethyl ketone peroxide by non-isothermal and isothermal calorimetric applications. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 171, 1145-9	12.8	46
25	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> , <b>2009</b> , 22, 721-727	3.5	44
24	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> , <b>2009</b> , 22, 506-515	3.5	23
23	Adiabatic runaway studies for methyl ethyl ketone peroxide with inorganic acids by vent sizing package 2. <i>Korean Journal of Chemical Engineering</i> , <b>2008</b> , 25, 419-422	2.8	3
22	Reactions of cumene hydroperoxide mixed with sodium hydroxide. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 152, 1214-9	12.8	21
21	Runaway reaction and thermal hazards simulation of cumene hydroperoxide by DSC. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2008</b> , 21, 101-109	3.5	60
20	Evaluation and Modeling Runaway Reaction of Methyl Ethyl Ketone Peroxide Mixed with Nitric Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 8738-8745	3.9	25
19	Study of thermal decomposition of methyl ethyl ketone peroxide using DSC and simulation. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 142, 765-70	12.8	36
18	Kinetics and hazards of thermal decomposition of methyl ethyl ketone peroxide by DSC. <i>Thermochimica Acta</i> , <b>2005</b> , 430, 67-71	2.9	29
17	Thermal hazard simulations for methyl ethyl ketone peroxide induced by contaminants. <i>Korean Journal of Chemical Engineering</i> , <b>2005</b> , 22, 797-802	2.8	15
16	Flammability studies of benzene and methanol with various vapor mixing ratios at 150°C. <i>Korean Journal of Chemical Engineering</i> , <b>2005</b> , 22, 803-812	2.8	19
15	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> , <b>2002</b> , 15, 253-263	3.5	26
14	Using VSP2 to separate catalytic and self-decomposition reactions for hydrogen peroxide in the presence of hydrochloric acid. <i>Thermochimica Acta</i> , <b>2002</b> , 392-393, 259-269	2.9	17
13	Thermal Runaway Hazards of Cumene Hydroperoxide with Contaminants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 1125-1132	3.9	65
12	Effects of Recovery Ratio on the Fracture Evolution of the Overburden Pressure-Relief Gas Migration Channel for a Fully Mechanized Working Face. <i>Natural Resources Research</i> , 1	4.9	1
11	Thermokinetic model establishment and numerical simulation of 2,4,6-trinitrophenol based on eco-friendly synthesis method. <i>Journal of Energetic Materials</i> , 1-20	1.6	1
10	Effects of moisture content on explosion characteristics of incense dust in incense factory. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0

9	Thermal stability of modified lithium-ion battery electrolyte by flame retardant, tris (2,2,2-trifluoroethyl) phosphite. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
8	Autocatalytic decomposition properties and thermal decomposition of benzoyl peroxide. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
7	Oxidation and thermal stability analysis of hexadecyl mercaptan added to engine oil. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	0
6	Spontaneous Combustion Risk of Coal-based Activated Carbon. <i>Combustion Science and Technology</i> ,1-171.5		0
5	Exploring thermokinetic behaviour of Jurassic coal during pyrolysis and oxidation. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	4
4	Determination of the ambience duration of lavender essential oil with three perfume fixatives using the thermokinetics approach. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
3	Thermokinetic analysis of the stability of acetic anhydride hydrolysis in isothermal calorimetry techniques. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
2	Experimental investigation of the macroscopic characteristic parameters and microstructure of water-soaked coal during low-temperature oxidation. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	0
1	Thermal hazard evaluation conjoined with product analysis of two water-soluble azo compounds. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	0