

M Sam Mannan

List of Publications by Year in descending order

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308
papers

8,043
citations

50276

46
h-index

102487

66
g-index

317
all docs

317
docs citations

317
times ranked

5053
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating flare gas with cogeneration system: Hazard identification using process simulation. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 74, 104635.	3.3	8
2	Developing a CFD heat transfer model for applying high expansion foam in an LNG spill. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 71, 104456.	3.3	8
3	Integrating flare gas with cogeneration systems: Operational risk assessment. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 72, 104571.	3.3	6
4	Development of a FRAM-based framework to identify hazards in a complex system. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 63, 103994.	3.3	15
5	Supporting risk management decision making by converting linguistic graded qualitative risk matrices through interval type-2 fuzzy sets. <i>Chemical Engineering Research and Design</i> , 2020, 134, 308-322.	5.6	24
6	Integrated thermodynamic and kinetic model of homogeneous catalytic N_2O oxidation processes. <i>AIChE Journal</i> , 2020, 66, e16875.	3.6	17
7	Systematic incorporation of inherent safety in hazardous chemicals supply chain optimization. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 68, 104262.	3.3	6
8	Process system resilience: from risk management to business continuity and sustainability. <i>International Journal of Business Continuity and Risk Management</i> , 2020, 10, 47.	0.3	16
9	Mitigation of operational failures via an economic framework of reliability, availability, and maintainability (RAM) during conceptual design. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 67, 104261.	3.3	17
10	Development of Flammable Dispersion Quantitative Property-Consequence Relationship Models Using Extreme Gradient Boosting. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15109-15118.	3.7	15
11	Development of a procedure writers' guide framework: Integrating the procedure life cycle and reflecting on current industry practices. <i>International Journal of Industrial Ergonomics</i> , 2020, 76, 102930.	2.6	6
12	Thermal hazards analysis of styrene in contact with impurities. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 68, 104315.	3.3	9
13	Modelling ice and wax formation in a pipeline in the Arctic environment. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104197.	3.3	3
14	Microwave-assisted preparation of two-dimensional amphiphilic nanoplate herding surfactants for offshore oil spill treatment. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104213.	3.3	4
15	Patterns and Trends in Injuries Due to Consumer Propane Incidents. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 251-258.	2.1	2
16	Intensifying vehicular proton exchange membrane fuel cells for safer and durable, design and operation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5039-5054.	7.1	11
17	A Hazard Index for Chemical Logistic Warehouses with Modified Flammability Rating by Machine Learning Methods. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 190-197.	2.1	8
18	A systems-based approach for modeling of microbiologically influenced corrosion implemented using static and dynamic Bayesian networks. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104108.	3.3	8

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19	Comparison of explosion models for detonation onset estimation in large-scale unconfined vapor clouds. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104165.	3.3	11
20	Reaction hazard and mechanism study of H ₂ O ₂ oxidation of 2-butanol to methyl ethyl ketone using DSC, Phi-TEC II and GC-MS. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104177.	3.3	16
21	Process system resilience: from risk management to business continuity and sustainability. <i>International Journal of Business Continuity and Risk Management</i> , 2020, 10, 47.	0.3	3
22	Emerging molecular techniques for studying microbial community composition and function in microbiologically influenced corrosion. <i>International Biodeterioration and Biodegradation</i> , 2019, 144, 104722.	3.9	15
23	Integrated Approach of Safety, Sustainability, Reliability, and Resilience Analysis via a Return on Investment Metric. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19522-19536.	6.7	26
24	Process resilience based upset events prediction analysis: Application to a batch reactor. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 62, 103957.	3.3	7
25	Biocompatible Herder for rapid oil spill treatment over a wide temperature range. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 62, 103948.	3.3	5
26	Case study on a fire within a road-based portable bitumen storage tanker. <i>Process Safety Progress</i> , 2019, 38, e12038.	1.0	1
27	Process hazard evaluation for catalytic oxidation of 2-octanol with hydrogen peroxide using calorimetry techniques. <i>Chemical Engineering Journal</i> , 2019, 378, 122018.	12.7	24
28	Optimization of dilution ventilation layout design in confined environments using Computational Fluid Dynamics (CFD). <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 60, 195-202.	3.3	44
29	Mechanism study of ammonium nitrate decomposition with chloride impurity using experimental and molecular simulation approach. <i>Journal of Hazardous Materials</i> , 2019, 378, 120585.	12.4	18
30	Probing into Styrene Polymerization Runaway Hazards: Effects of the Monomer Mass Fraction. <i>ACS Omega</i> , 2019, 4, 8136-8145.	3.5	27
31	Thermal decomposition of solid benzoyl peroxide using Advanced Reactive System Screening Tool: Effect of concentration, confinement and selected acids and bases. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 60, 28-34.	3.3	14
32	Experimental study of electrostatic hazard inside scrubber column using response surface methodology. <i>Chemical Engineering Science</i> , 2019, 200, 46-68.	3.8	23
33	Improving the stability of high expansion foam used for LNG vapor risk mitigation using exfoliated zirconium phosphate nanoplates. <i>Chemical Engineering Research and Design</i> , 2019, 123, 48-58.	5.6	13
34	Process Safety Analysis for Ti ₃ C ₂ T _x MXene Synthesis and Processing. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1570-1579.	3.7	89
35	Process resilience analysis based data-driven maintenance optimization: Application to cooling tower operations. <i>Computers and Chemical Engineering</i> , 2019, 121, 27-45.	3.8	28
36	Developing leading indicators-based decision support algorithms and probabilistic models using Bayesian network to predict kicks while drilling. <i>Chemical Engineering Research and Design</i> , 2019, 121, 239-246.	5.6	26

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37	Toward the Identification of Intensified Reaction Conditions Using Response Surface Methodology: A Case Study on 3-Methylpyridine <i>N</i> -Oxide Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6093-6104.	3.7	14
38	Calorimetry of explosive thermal decomposition of graphite oxide. <i>Journal of Hazardous Materials</i> , 2019, 366, 275-281.	12.4	13
39	Study of phase behavior of 2,6-lutidine, 2,6-lutidine- <i>N</i> -oxide and water mixture using UNIQUAC model with interaction parameters determined by molecular simulations. <i>Thermochimica Acta</i> , 2019, 671, 110-118.	2.7	1
40	Fire reaction properties of polystyrene-based nanocomposites using nanosilica and nanoclay as additives in cone calorimeter test. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1853-1865.	3.6	54
41	An experimental study: laminar flame speed sensitivity from spherical flames in stoichiometric CH ₄ –air mixtures. <i>Combustion Science and Technology</i> , 2018, 190, 1594-1613.	2.3	28
42	In search of causes behind offshore incidents: Fire in offshore oil and gas facilities. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 54, 254-265.	3.3	29
43	A Resilience-based Integrated Process Systems Hazard Analysis (RIPSHA) approach: Part I plant system layer. <i>Chemical Engineering Research and Design</i> , 2018, 116, 92-105.	5.6	40
44	Effect of particle size and polydispersity on dust entrainment behind a moving shock wave. <i>Experimental Thermal and Fluid Science</i> , 2018, 93, 1-10.	2.7	10
45	Highly Biocompatible, Underwater Superhydrophilic and Multifunctional Biopolymer Membrane for Efficient Oil–Water Separation and Aqueous Pollutant Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3879-3887.	6.7	82
46	Resilience metrics for improved process-risk decision making: Survey, analysis and application. <i>Safety Science</i> , 2018, 108, 13-28.	4.9	42
47	Investigating the effect of inherent safety principles on system reliability in process design. <i>Chemical Engineering Research and Design</i> , 2018, 117, 100-110.	5.6	33
48	Risk assessment of class 3 (PG II & III) hazardous materials in transportation. <i>Process Safety Progress</i> , 2018, 37, 376-381.	1.0	7
49	Investigating written procedures in process safety: Qualitative data analysis of interviews from high risk facilities. <i>Chemical Engineering Research and Design</i> , 2018, 113, 30-39.	5.6	31
50	Process Resilience Analysis Framework (PRAF): A systems approach for improved risk and safety management. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 53, 61-73.	3.3	80
51	Can We Simplify Complexity Measurement? A Primer Towards Usable Framework For Industry Implementation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 853-857.	0.3	6
52	Assessing Procedure Adherence Under Training Conditions in High Risk Industrial Operations. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1604-1604.	0.3	4
53	Towards a systematic framework for the synthesis of operable process intensification systems. <i>Computer Aided Chemical Engineering</i> , 2018, 44, 2383-2388.	0.5	8
54	Resilience-Based Process Upset Event Prediction Analysis for Uncertainty Management Using Bayesian Deep Learning: Application to a Polyvinyl Chloride Process System. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14822-14836.	3.7	14

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55	A Review of Characterization and Quantification Tools for Microbiologically Influenced Corrosion in the Oil and Gas Industry: Current and Future Trends. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13895-13922.	3.7	29
56	The State of Fatigue Assessment and Management in Offshore Oil and Gas Industry: A Systematic Review. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 886-887.	0.3	2
57	Experimental Study of a Liquefied Natural Gas Pool Fire on Land in the Field. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14297-14306.	3.7	15
58	A quantitative approach for optimal alarm identification. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 55, 213-222.	3.3	7
59	A resilience-based integrated process systems hazard analysis (RIPSHA) approach: Part II management system layer. <i>Chemical Engineering Research and Design</i> , 2018, 118, 115-124.	5.6	38
60	Modeling an incident management team as a joint cognitive system. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 56, 231-241.	3.3	16
61	Challenges and reflections on the development of urban refineries in China. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 56, 1-9.	3.3	3
62	Towards the synthesis of modular process intensification systems with safety and operability considerations - application to heat exchanger network. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 705-710.	0.5	3
63	Application of polymer nanocomposites in the flame retardancy study. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 55, 381-391.	3.3	47
64	Application of flammability limit criteria on non-ASTM standard equipment. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1169-1182.	3.6	6
65	A computational fluid dynamics evaluation of unconfined hydrogen explosions in high pressure applications. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16411-16420.	7.1	13
66	Effects of forced convection and thermal radiation on high expansion foam used for LNG vapor risk mitigation. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 55, 423-436.	3.3	4
67	Oil transportation in pipelines with the existence of ice. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 56, 137-146.	3.3	13
68	Construction of a 36â€ dust explosion apparatus and turbulence flow field comparison with a standard 20â€ dust explosion vessel. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 55, 113-123.	3.3	17
69	How can we improve process hazard identification? What can accident investigation methods contribute and what other recent developments? A brief historical survey and a sketch of how to advance. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 55, 80-106.	3.3	37
70	A journey to excellence in process safety management. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 55, 71-79.	3.3	16
71	A method for facility layout optimisation including stochastic risk assessment. <i>Chemical Engineering Research and Design</i> , 2018, 117, 616-628.	5.6	30
72	Hierarchical, Self-Healing and Superhydrophobic Zirconium Phosphate Hybrid Membrane Based on the Interfacial Crystal Growth of Lyotropic Two-Dimensional Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22793-22800.	8.0	36

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73	Cone calorimeter analysis of flame retardant poly (methyl methacrylate)-silica nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1443-1451.	3.6	48
74	A framework for developing leading indicators for offshore drillwell blowout incidents. <i>Chemical Engineering Research and Design</i> , 2017, 106, 256-262.	5.6	37
75	Risk assessment: What is it worth? Shall we just do away with it, or can it do a better job?. <i>Safety Science</i> , 2017, 99, 140-155.	4.9	34
76	Thermosensitive ZrP-PNIPAM Pickering Emulsifier and the Controlled-Release Behavior. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7852-7858.	8.0	51
77	System dynamical simulation of risk perception for enterprise decision-maker in communication of chemical incident risks. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 46, 115-125.	3.3	8
78	Comparison of objective and subjective operator fatigue assessment methods in offshore shiftwork. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 48, 376-381.	3.3	31
79	Thermal Runaway Risk of Semibatch Processes: Esterification Reaction with Autocatalytic Behavior. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1534-1542.	3.7	21
80	Regulatory approaches - Safety case vs US approach: Is there a best solution today?. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 46, 154-162.	3.3	10
81	Experimental and numerical study of liquefied natural gas (LNG) pool spreading and vaporization on water. <i>Journal of Hazardous Materials</i> , 2017, 334, 244-255.	12.4	22
82	Segregated-Feed Membrane Reactor Design for Alkylpyridine N-Oxidation: Implications for Process Safety and Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3822-3832.	3.7	4
83	Roles of contractors in process safety. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 48, 358-366.	3.3	6
84	Estimating total discharged volume in uncontrolled oil wells. <i>Journal of Petroleum Science and Engineering</i> , 2017, 156, 373-380.	4.2	1
85	Effect of trimethylolpropane triacrylate cross-linkages on the thermal stability and char yield of poly (methyl methacrylate) nanocomposites. <i>Fire Safety Journal</i> , 2017, 87, 65-70.	3.1	13
86	Experimental Study of Bund Overtopping Caused by a Catastrophic Failure of Tanks. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12227-12235.	3.7	11
87	Extinguishing fires involving ammonium nitrate stock with water: Possible complications. <i>Journal of Fire Sciences</i> , 2017, 35, 457-483.	2.0	14
88	Development of a safety management system (SMS) for drilling and servicing operations within OSHA jurisdiction area of Texas. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 50, 266-274.	3.3	6
89	Investigating Written Procedures in Process Safety: Qualitative Data Analysis of Interviews from High Risk Facilities. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1669-1670.	0.3	3
90	Industrial alarm systems: Challenges and opportunities. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 50, 23-36.	3.3	101

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91	A system dynamics model for risk perception of lay people in communication regarding risk of chemical incident. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 50, 101-111.	3.3	15
92	Study of thermal and mechanical behaviors of flame retardant polystyrene-based nanocomposites prepared via in-situ polymerization method. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 49, 228-239.	3.3	28
93	A resilience index for process safety analysis. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 50, 184-189.	3.3	17
94	Carbon nanofiber explosion violence and thermal stability. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 221-231.	3.6	2
95	Did we learn about risk control since Seveso? Yes, we surely did, but is it enough? An historical brief and problem analysis. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 49, 5-17.	3.3	46
96	Application of big data analytics in process safety and risk management. , 2017, , .		31
97	Lessons learned from analyzing a VCE accident at a chemical plant. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 50, 397-402.	3.3	24
98	Thermal Stability of Optically Transparent Alpha-Zirconium Phosphate/Poly(methyl methacrylate) Nanocomposites with High Particle Loading. <i>Polymers and Polymer Composites</i> , 2017, 25, 267-272.	1.9	4
99	Toward an inherently safer alternative for operating N-oxidation of alkylpyridines: Effect of N-oxide on lutidine " water phase separation. <i>Thermochimica Acta</i> , 2017, 656, 38-46.	2.7	4
100	UNDERSTANDING THE PHYSICS OF BLOWOUTS AND THEIR PREVENTION APPROACHES. <i>Journal of Environmental Solutions for Oil Gas and Mining</i> , 2017, 3, 1-18.	0.2	1
101	Effect of coal-limestone mixtures on dust dispersion behind a moving shock wave. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 44, 551-563.	3.3	4
102	Application of Computational Fluid Dynamics in Simulating Film Boiling of Cryogenes. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7548-7557.	3.7	17
103	A CFD-based approach for gas detectors allocation. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 44, 633-641.	3.3	24
104	The Evolution of Process Safety: Current Status and Future Direction. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 135-162.	6.8	50
105	Runaway decomposition of dicumyl peroxide by open cell adiabatic testing at different initial conditions. <i>Chemical Engineering Research and Design</i> , 2016, 102, 251-262.	5.6	23
106	Experimental study on propane jet fire hazards: Assessment of the main geometrical features of horizontal jet flames. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 41, 355-364.	3.3	52
107	A fuzzy logic and probabilistic hybrid approach to quantify the uncertainty in layer of protection analysis. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 43, 10-17.	3.3	30
108	Efficacy of decontamination foam on a non-polar hazardous chemical surrogate. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 43, 457-463.	3.3	2

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109	Numerical analysis for nitrogen dilution on flammability limits of hydrocarbon mixtures. Journal of Loss Prevention in the Process Industries, 2016, 43, 600-613.	3.3	13
110	Thermal Runaway in Lithium-Ion Batteries: Incidents, Kinetics of the Runaway and Assessment of Factors Affecting Its Initiation. Journal of the Electrochemical Society, 2016, 163, A2691-A2701.	2.9	39
111	Why major accidents are still occurring. Current Opinion in Chemical Engineering, 2016, 14, 1-8.	7.8	48
112	Thermal degradation and flammability of nanocomposites composed of silica cross-linked to poly(methyl methacrylate). Plastics, Rubber and Composites, 2016, 45, 375-381.	2.0	16
113	Methods and data sources for identifying members of a regulated community. Process Safety Progress, 2016, 35, 47-52.	1.0	0
114	A review of safety indices for process design. Current Opinion in Chemical Engineering, 2016, 14, 42-48.	7.8	84
115	A web-based collection and analysis of process safety incidents. Journal of Loss Prevention in the Process Industries, 2016, 44, 171-192.	3.3	19
116	A summary and synthesis of procedural regulations and standardsâ€™Informing a procedures writer's guide. Journal of Loss Prevention in the Process Industries, 2016, 44, 726-734.	3.3	25
117	Well specific oil discharge risk assessment by a dynamic blowout simulation tool. Chemical Engineering Research and Design, 2016, 103, 183-191.	5.6	11
118	Prediction of heat of formation for exo -Dicyclopentadiene. Journal of Loss Prevention in the Process Industries, 2016, 44, 433-439.	3.3	7
119	Improved research-scale foam generator design and performance characterization. Journal of Loss Prevention in the Process Industries, 2016, 39, 173-180.	3.3	14
120	Liquefied Natural Gas Vapor Hazard Mitigation with Expansion Foam Using a Research-Scale Foam Generator. Industrial & Engineering Chemistry Research, 2016, 55, 6018-6024.	3.7	9
121	Thermal runaway reaction for highly exothermic material in safe storage temperature. Journal of Loss Prevention in the Process Industries, 2016, 40, 259-265.	3.3	19
122	Safety and techno-economic analysis of ethylene technologies. Journal of Loss Prevention in the Process Industries, 2016, 39, 74-84.	3.3	54
123	Bayesian network based dynamic operational risk assessment. Journal of Loss Prevention in the Process Industries, 2016, 41, 399-410.	3.3	117
124	Experimental study on propane jet fire hazards: Comparison of main geometrical features with empirical models. Journal of Loss Prevention in the Process Industries, 2016, 41, 365-375.	3.3	54
125	Lessons learned from a supercritical pressure BLEVE in Nihon Dempa Kogyo Crystal Inc.. Journal of Loss Prevention in the Process Industries, 2016, 41, 315-322.	3.3	9
126	Case study and lessons learned from the ammonium nitrate explosion at the West Fertilizer facility. Journal of Hazardous Materials, 2016, 308, 164-172.	12.4	53

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127	Laminar flame speeds of nano-aluminum/methane hybrid mixtures. <i>Combustion and Flame</i> , 2016, 166, 284-294.	5.2	8
128	Quantification of turbulence in cryogenic liquid using high speed flow visualization. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 42, 70-81.	3.3	3
129	A new facility for studying shock-wave passage over dust layers. <i>Shock Waves</i> , 2016, 26, 129-140.	1.9	7
130	Nano-encapsulated PCM via Pickering Emulsification. <i>Scientific Reports</i> , 2015, 5, 13357.	3.3	35
131	Trends and challenges in process safety. <i>AIChE Journal</i> , 2015, 61, 3558-3569.	3.6	29
132	A grid-based facilities allocation approach with safety and optimal heat exchanger networks synthesis. <i>Computers and Chemical Engineering</i> , 2015, 80, 92-100.	3.8	8
133	Safety and kinetic parameters analysis for 1,1-Di(tert-butylperoxy) cyclohexane mixed with monoammonium phosphate. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 34, 191-195.	3.3	1
134	Effect of shock strength on dust entrainment behind a moving shock wave. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 36, 203-213.	3.3	15
135	Small-scale experimental study of vaporization flux of liquid nitrogen released on water. <i>Journal of Hazardous Materials</i> , 2015, 297, 8-16.	12.4	9
136	Flow rate and total discharge estimations in gas-well blowouts. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 438-445.	4.4	6
137	Towards efficient and inherently safer continuous reactor alternatives to batch-wise processing of fine chemicals: CSTR nonlinear dynamics analysis of alkylpyridines N-oxidation. <i>Chemical Engineering Science</i> , 2015, 137, 487-503.	3.8	10
138	Small-scale experimental study of vaporization flux of liquid nitrogen released on ice. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 37, 124-131.	3.3	7
139	Integration of process safety engineering and fire protection engineering for better safety performance. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 37, 74-81.	3.3	14
140	Validation of a new formula for predicting the lower flammability limit of hybrid mixtures. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 35, 52-58.	3.3	21
141	Analysis of meteorological parameters for dense gas dispersion using mesoscale models. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 35, 145-156.	3.3	11
142	Priming with nano-aerosolized water and sequential dip-washing with hydrogen peroxide: An efficient sanitization method to inactivate <i>Salmonella Typhimurium</i> LT2 on spinach. <i>Journal of Food Engineering</i> , 2015, 161, 8-15.	5.2	15
143	Dust Explosion of Carbon Nanofibers Promoted by Iron Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3989-3995.	3.7	10
144	Assessing integrity of the gas-lift valves by analyzing annular-pressure-transient response. <i>Journal of Petroleum Science and Engineering</i> , 2015, 133, 177-183.	4.2	3

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145	Investigation of pool spreading and vaporization behavior in medium-scale LNG tests. Journal of Loss Prevention in the Process Industries, 2015, 35, 267-276.	3.3	13
146	Experimental Study on Propane Jet Fire Hazards: Thermal Radiation. Industrial & Engineering Chemistry Research, 2015, 54, 9251-9256.	3.7	41
147	Experimental sensitivity analysis of the runaway severity of Dicumyl peroxide decomposition using adiabatic calorimetry. Thermochemica Acta, 2015, 617, 28-37.	2.7	28
148	Improved electrospray design for aerosol generation and flame propagation analysis. Journal of Loss Prevention in the Process Industries, 2015, 38, 148-155.	3.3	6
149	Calorimetry studies of ammonium nitrate – Effect of inhibitors, confinement, and heating rate. Journal of Loss Prevention in the Process Industries, 2015, 38, 234-242.	3.3	12
150	A stochastic approach for risk analysis in vapor cloud explosion. Journal of Loss Prevention in the Process Industries, 2015, 35, 249-256.	3.3	19
151	Ammonium nitrate thermal decomposition with additives. Journal of Loss Prevention in the Process Industries, 2015, 35, 307-315.	3.3	59
152	Case study: Assessment on large scale LPG BLEVEs in the 2011 Tohoku earthquakes. Journal of Loss Prevention in the Process Industries, 2015, 35, 257-266.	3.3	18
153	Zero-energy determination: Confirmation of vessel and pipeline de-energized state through noninvasive techniques with strain gauges. Process Safety Progress, 2014, 33, 195-199.	1.0	0
154	Blanketing effect of expansion foam on liquefied natural gas (LNG) spillage pool. Journal of Hazardous Materials, 2014, 280, 380-388.	12.4	25
155	A MINLP approach for layout designs based on the domino hazard index. Journal of Loss Prevention in the Process Industries, 2014, 30, 219-227.	3.3	35
156	Development of inherently safer distillation systems. Journal of Loss Prevention in the Process Industries, 2014, 29, 225-239.	3.3	63
157	Influence of Particle Size and Crystalline Level on the Efficiency of Dust Explosion Inhibitors. Industrial & Engineering Chemistry Research, 2014, 53, 11527-11537.	3.7	19
158	What does “safe” look and feel like?. Journal of Loss Prevention in the Process Industries, 2014, 32, 265-275.	3.3	9
159	Lessons to be learned from an analysis of ammonium nitrate disasters in the last 100 years. Journal of Hazardous Materials, 2014, 280, 472-477.	12.4	69
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