

Bin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7387680/publications.pdf>

Version: 2024-02-01

21
papers

315
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Experimental Study on Propane Jet Fire Hazards: Thermal Radiation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9251-9256.	3.7	41
4	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
5	Blanketing effect of expansion foam on liquefied natural gas (LNG) spillage pool. <i>Journal of Hazardous Materials</i> , 2014, 280, 380-388.	12.4	25
6	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
7	Improved research-scale foam generator design and performance characterization. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 39, 173-180.	3.3	14
8	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
9	Calorimetry of explosive thermal decomposition of graphite oxide. <i>Journal of Hazardous Materials</i> , 2019, 366, 275-281.	12.4	13
10	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
11	Liquefied Natural Gas Vapor Hazard Mitigation with Expansion Foam Using a Research-Scale Foam Generator. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6018-6024.	3.7	9
12	Sam Mannan and his scientific publications: A life in process safety research. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104140.	3.3	8
13	Predictive model of bund overtopping fraction for catastrophic failure of storage tank. <i>Safety Science</i> , 2020, 129, 104801.	4.9	6
14	Current status of safety engineering education in China. <i>Process Safety Progress</i> , 2022, 41, 218-225.	1.0	6
15	Numerical study of bund overtopping phenomena after a catastrophic tank failure using the axisymmetric approach. <i>Chemical Engineering Research and Design</i> , 2021, 153, 464-471.	5.6	6
16	The CFD modeling of bund overtopping phenomena and prediction of dynamic pressure on the bund. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 74, 104653.	3.3	5
17	A quantitative risk assessment framework for domino accidents caused by double pool fires. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 79, 104843.	3.3	5
18	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

#	ARTICLE	IF	CITATIONS
19	Study of key properties of expansion foam for process safety incident mitigation using an improved foam generator. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 74, 104661.	3.3	3
20	Toward a detailed understanding of the rocket propulsion process and prediction on the trajectory of a boiling liquid expanding vapor explosion (BLEVE). <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 75, 104719.	3.3	3
21	Process safety education and training in academic institutions in China: A brief introduction. <i>Process Safety Progress</i> , 2022, 41, 3-4.	1.0	1