

Luc Vechot

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

368
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the impact of a pandemic on the control of the process safety risk in major hazards industries using a Fault Tree Analysis approach. Journal of Loss Prevention in the Process Industries, 2022, 74, 104649.	3.3	13
2	Experimental study of the influence of particle size on Minimum Explosible Concentration of sulfur dust. Journal of Loss Prevention in the Process Industries, 2021, 71, 104507.	3.3	8
3	Direct alcohol fuel cells: Assessment of the fuel's safety and health aspects. International Journal of Hydrogen Energy, 2021, 46, 30658-30668.	7.1	39
4	Concept and demonstration of a fully coupled and dynamic exposure-response methodology for crowd evacuation numerical modelling in airborne-toxic environments. Journal of Hazardous Materials, 2020, 399, 123093.	12.4	2
5	Assessment and validation of evaporation models for cryogenic liquids. Chemical Engineering Research and Design, 2019, 121, 50-61.	5.6	15
6	Developing a framework for dynamic risk assessment using Bayesian networks and reliability data. Journal of Loss Prevention in the Process Industries, 2017, 50, 142-153.	3.3	53
7	Small-scale field spill experiments of liquid nitrogen, oxygen and their mixture on concrete surface. Journal of Loss Prevention in the Process Industries, 2017, 50, 112-120.	3.3	8
8	Runaway decomposition of dicumyl peroxide by open cell adiabatic testing at different initial conditions. Chemical Engineering Research and Design, 2016, 102, 251-262.	5.6	23
9	Building process safety culture at Texas A&M University at Qatar: A case study on experimental research. Journal of Loss Prevention in the Process Industries, 2016, 44, 642-652.	3.3	17
10	Modeling of the venting of an untempered system under runaway conditions. Journal of Loss Prevention in the Process Industries, 2015, 36, 171-182.	3.3	8
11	Small-scale experimental study of vaporization flux of liquid nitrogen released on ice. Journal of Loss Prevention in the Process Industries, 2015, 37, 124-131.	3.3	7
12	Analysis of meteorological parameters for dense gas dispersion using mesoscale models. Journal of Loss Prevention in the Process Industries, 2015, 35, 145-156.	3.3	11
13	Validation of liquid nitrogen vaporisation rate by small scale experiments and analysis of the conductive heat flux from the concrete. Journal of Loss Prevention in the Process Industries, 2015, 35, 277-282.	3.3	21
14	Blanketing effect of expansion foam on liquefied natural gas (LNG) spillage pool. Journal of Hazardous Materials, 2014, 280, 380-388.	12.4	25
15	Modeling of pool spreading of LNG on land. Journal of Loss Prevention in the Process Industries, 2014, 30, 307-314.	3.3	23
16	Laboratory scale analysis of the influence of different heat transfer mechanisms on liquid nitrogen vaporization rate. Journal of Loss Prevention in the Process Industries, 2013, 26, 398-409.	3.3	21
17	Medium scale LNG-related experiments and CFD simulation of water curtain. Journal of Loss Prevention in the Process Industries, 2011, 24, 798-804.	3.3	13
18	Calorimetric studies on the thermal stability of methyl ethyl ketone peroxide (MEKP) formulations. Chemical Engineering Research and Design, 2011, 89, 424-433.	5.6	39

#	ARTICLE	IF	CITATIONS
19	Vent sizing: Analysis of the blowdown of a hybrid non tempered system. Journal of Hazardous Materials, 2011, 191, 8-18.	12.4	9
20	Runaway reaction of non-tempered chemical systems: Development of a similarity vent-sizing tool at laboratory scale. Journal of Loss Prevention in the Process Industries, 2008, 21, 359-366.	3.3	11