Luc Vechot

List of Publications by Year
in descending order

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	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
2	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
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	Blanketing effect of expansion foam on liquefied natural gas (LNG) spillage pool. Journal of Hazardous Materials, 2014, 280, 380-388.	12.4	25
5	Modeling of pool spreading of LNG on land. Journal of Loss Prevention in the Process Industries, 2014, 30, 307-314.	3.3	23
6	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
7	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
8	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
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	Assessment and validation of evaporation models for cryogenic liquids. Chemical Engineering Research and Design, 2019, 121, 50-61.	5.6	15
11	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
12	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
13	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
14	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
15	Vent sizing: Analysis of the blowdown of a hybrid non tempered system. Journal of Hazardous Materials, 2011, 191, 8-18.	12.4	9
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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