

Paul Battersby

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5327451/publications.pdf>

Version: 2024-02-01

14
papers

168
citations

1478505

6
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

94
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of hydrogen/oxygen/nitrogen explosions by fine water mist containing sodium hydroxide additive. International Journal of Hydrogen Energy, 2013, 38, 8002-8010.	7.1	45
2	Modelling the mitigation of lean hydrogen deflagrations in a vented cylindrical rig with water fog. International Journal of Hydrogen Energy, 2012, 37, 15406-15422.	7.1	29
3	Estimating the effect of water fog and nitrogen dilution upon the burning velocity of hydrogen deflagrations from experimental test data. International Journal of Hydrogen Energy, 2013, 38, 6882-6895.	7.1	27
4	Modelling the mitigation of hydrogen deflagrations in a vented cylindrical rig with water fog and nitrogen dilution. International Journal of Hydrogen Energy, 2013, 38, 3471-3487.	7.1	19
5	Application of Bayesian methods and networks to ignition hazard event prediction in nuclear waste decommissioning operations. Chemical Engineering Research and Design, 2018, 116, 396-404.	5.6	11
6	Modelling the effect of water fog on the upper flammability limit of hydrogen-oxygen-nitrogen mixtures. International Journal of Hydrogen Energy, 2013, 38, 6896-6903.	7.1	8
7	Ignition of flammable hydrogen/air mixtures by mechanical stimuli. Part 1: Ignition with clean metal surfaces sliding under high load conditions. International Journal of Hydrogen Energy, 2014, 39, 18472-18479.	7.1	6
8	Ignition of hydrogen/air mixtures by glancing mechanical impact. International Journal of Hydrogen Energy, 2014, 39, 20404-20410.	7.1	6
9	Ignition of flammable hydrogen/air mixtures by mechanical stimuli. Part 2: Ignition under conditions of rust and surface pyrophoric material contamination. International Journal of Hydrogen Energy, 2015, 40, 4392-4400.	7.1	6
10	Ignition of flammable hydrogen in air (and other H ₂ /N ₂ /O ₂ mixtures) by mechanical stimuli. Part 3: Ignition under conditions of low sliding velocity (<0.8 m/s). International Journal of Hydrogen Energy, 2015, 40, 9847-9853.	7.1	4
11	Potential hazard consequences to personnel exposed to the ignition of small volumes of weakly confined stoichiometric hydrogen/air mixture. International Journal of Hydrogen Energy, 2018, 43, 22733-22745.	7.1	3
12	Energy losses during drop weight mechanical impacts with special reference to ignition of flammable atmospheres in nuclear decommissioning: theory and determination of experimental coefficients for impact analysis and prediction. International Journal of Impact Engineering, 2017, 109, 92-103.	5.0	2
13	Modelling the mitigation of hydrogen deflagrations in a nuclear waste silo ullage by depleting the oxygen concentration with nitrogen. Nuclear Engineering and Design, 2013, 263, 97-101.	1.7	1
14	Surface temperature generation during drop weight mechanical impact and the usefulness of dynamic thermocouple measurements for predicting impact ignition of flammable gases. Journal of Loss Prevention in the Process Industries, 2018, 55, 10-18.	3.3	1