# Paul Battersby

List of Publications by Year
in descending order



| 14 | 168 | 1478505 6 | 1125743 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 14 | 14 | 14 | 94 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 (<0.8Âm/s). International Journal of Hydrogen Energy, 2015, 40, 9847-9853. | 7.1 | 4 |
| 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 | Suppression of hydrogen/oxygen/nitrogen explosions byÂfineÂwater mist containing sodium hydroxide additive. International Journal of Hydrogen Energy, 2013, 38, 8002-8010. | 7.1 | 45 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Modelling the effect of water fog on the upper flammability limit of hydrogenâ€“oxygenâ€“nitrogen mixtures. International Journal of Hydrogen Energy, 2013, 38, 6896-6903. | 7.1 | 8 |
| 14 | 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 |