

REFERENCES

- Bao, Q. et al., 2016. Effects of gas concentration and venting pressure on overpressure transients during vented explosion of methane-air mixtures. *Fuel*, 175, pp.40–48. Available at: <http://dx.doi.org/10.1016/j.fuel.2016.01.084>.
- Bechtold, J.K. & Matalon, M., 1987. Hydrodynamic and diffusion effects on the stability of spherically expanding flames. *Combustion and Flame*, 67(1), pp.77–90.
- Black, D., 2009. Reducing Coal Mine GHG Emissions Through Effective Gas Drainage and Utilisation. , pp.217–224.
- Cui, G., Li, Z. & Yang, C., 2016. Experimental study of flammability limits of methane/air mixtures at low temperatures and elevated pressures. *Fuel*, 181, pp.1074–1080. Available at: <http://dx.doi.org/10.1016/j.fuel.2016.04.116>.
- Dahoe, A.E. & de Goey, L.P.H., 2003. On the determination of the laminar burning velocity from closed vessel gas explosions. *Journal of Loss Prevention in the Process Industries*, 16(6), pp.457–478.
- Emami, S.D. et al., 2016. Effect of pipe configurations on flame propagation of hydrocarbons-air and hydrogen-air mixtures in a constant volume. *Journal of Loss Prevention in the Process Industries*, 39, pp.141–151.
- Holtappels, K., 2002. Report on the experimentally determined explosion limits , explosion pressures and rates of explosion pressure rise - Part 1 : methane , hydrogen and propylene Contact : *Explosion*, 1(8), pp.1–149.
- Lee, J. H. S. (1984). Physics of explosions. *McGill University, Montreal, Canada*.
- Kwon, O.C., Rozenchan, G. & Law, C.K., 2002. CELLULAR INSTABILITIES AND SELF-ACCELERATION OF OUTWARDLY PROPAGATING SPHERICAL FLAMES. , 29, pp.1775–1783.
- Li, D. et al., 2015. Comparison of explosion characteristics between hydrogen/air and methane/air at the stoichiometric concentrations. *International Journal of Hydrogen Energy*, 40(28), pp.8761–8768. Available at: <http://dx.doi.org/10.1016/j.ijhydene.2015.05.038>.
- Liaw, H.J. et al., 2016. Flammability limits estimation for fuel-air-diluent mixtures tested in a constant volume vessel. *Process Safety and Environmental Protection*, 100, pp.150–162. Available at: <http://dx.doi.org/10.1016/j.psep.2016.01.006>.
- Panicker, P.K., 2008. The Development and Testing of Pulsed Detonation Engine Ground Demonstrators.,(August),p.327. Available at: <http://books.google.com/books?id=u6GrV->

acNW8C&pgis=1.

- Prodan, M., Nalboc, I. & Mota-Szollosi, A., 2012. Determination of Explosion Limits , Maximum Explosion Pressure and Maximum Rate of Pressure Rise for an Air- Fuel Gas Explosion. , 57(71), pp.58–61.
- Ren, S. & Zhang, Q., 2015. Influence of concentration distribution of hydrogen in air on measured flammability limits. *Journal of Loss Prevention in the Process Industries*, 34, pp.82–91. Available at: <http://dx.doi.org/10.1016/j.jlp.2015.01.027>.
- Van den Schoor, F. et al., 2008. Comparison and evaluation of methods for the determination of flammability limits, applied to methane/hydrogen/air mixtures. *Journal of Hazardous Materials*, 150(3), pp.573–581.
- Services, H., 2006. IC 9486 Information Circular / 2006 Handbook for Methane Control in Mining.
- Sun, Z. & Li, G., 2016. Propagation characteristics of laminar spherical flames within homogeneous hydrogen-air mixtures. *Energy*, 116, pp.116–127. Available at: <http://dx.doi.org/10.1016/j.energy.2016.09.103>.
- Tomlin, G. et al., 2015. The effect of vent size and congestion in large-scale vented natural gas/air explosions. *Journal of Loss Prevention in the Process Industries*.
- Wang, C. et al., 2016. Effect of concentration and obstacles on flame velocity and overpressure of methane-air mixture. *Journal of Loss Prevention in the Process Industries*, 43, pp.302–310. Available at: <http://dx.doi.org/10.1016/j.jlp.2016.05.021>.
- Weiß, M., Zarzalis, N. & Suntz, R., 2008. Experimental study of Markstein number effects on laminar flamelet velocity in turbulent premixed flames. *Combustion and Flame*, 154(4), pp.671–691.