Publications & Patents


Colizza, Kevin; McLennan, Lindsey; Yevdokimov, Alexander V.; Smith, James L.; Oxley, Jimmie "Reactions of Organic Peroxides with Alcohols in Atmospheric Pressure Chemical Ionization—the Pitfalls of Quantifying Triacetone Triperoxide (TATP)" J Am Soc Mass Spec. 2018, 29: 393-404. DOI: 10.1007/s13361-017-1836-3


Oxley, Jimmie C.; Smith James L.; Brown, A.C. “Eutectics of Erythritol Tetranitrate” J Phys Chem 2017, 121(30), 16137-44


World Book Encyclopedia “Bombs” **2011**.

Gregory, Otto; Oxley, Jimmie; Smith, James; Platek, Michael; Ghonem, Hamouda; Bernier, Evan; Downey, Markus; Cumminskey, Christopher “Microstructural Characterization of Pipe Bomb Fragments,” *Materials Characterization* **2010** 61(3), 347-354.


Jimmie Oxley, James Smith, Joseph Brady, Faina Dubnikova, Ronnie Kosloff,* Leila Zeiri, Yehuda Zeiri "The Raman and IR fingerprint spectroscopy of peroxide-based explosives" J. Applied Spectroscopy 2008, 62 (8), 906-915


Zheng, W.; Dong, X.X.; Rogers, E.; Oxley, J.C.; Smith, J.L. “Improvements in Determination of Decomposition Gases from 1,3,3-Trinitroazetidine (TNAZ) and 5-Nitro-2,4,-dihydro-3H-1,2,4-triazol-3-one (NTO) using Capillary Gas Chromatography/Mass Spectrometry? J. Chromat. Sci., 1997, 35, 478-482.


Oxley, J.C.; Smith, J.L.; Yeager, K.E.; Coburn, M.D.; Ott, D. "Synthesis of $^{15}$N-Labeled Isomers of 5-Nitro-2,4-dihydro-3h-1,2,4-triazol-3-one (NTO)" J. Energetic Materials 1995, 13(1&2), 93-105.


Oxley, J.C. "Explosives Detection" SPIE San Diego, July 1992


Baer, B.J.; Oxley, J.C.; Nicol, M. "The Phase Diagram of RDX (Hexahydro-1,3,5-Trinitro-s-Triazine) under Hydrostatic Pressure" High Pressure Research 1990, 2, 99-108,


Nicol, M.; Baer, B.J; Oxley, J.C. "Raman Spectroscopy of High Explosives at High Hydrostatic Pressures Used to Detect Phase Transition of RDX (Hexahydro-1,3,5-Trinitro-s-Triazine)” ADPA proceedings October, 1989.

Minier, L.M.; Oxley J.C. "Thermolysis of Nitroarenes: 2,2',4,4',6,6'- Hexanitrostilbene" Proceed. of 18th NATAS Conf.; San Diego, Sept. 1989


**UNITED STATES PATENT**

J Oxley; J Smith; J Canino “Non-Detonable Explosive or Explosive-Simulant Source” US 9,784,723 B1 Oct. 10, 2017