

Energetic Materials: Part 2. Detonation, Combustion: Detonation, Combustion Pt. 2 (Theoretical And Computational Chemistry)

Joseph R. Peterson, Charles A. Wight. (2012) An Eulerian Lagrangian computational model for deflagration and detonation of high explosives. Combustion and
<http://arc.aiaa.org/doi/abs/10.2514/2.5522>

Ignition and Detonation in Energetic Materials: An Introduction STO-EN-AVT-214 3 - 3 only two places where mass, momentum and energy are conserved and so
<http://www.mod.bg/bg/EXT/InstitutOtbrana/AVT-214-Lectures/EN-AVT-214-03.pdf>

Energetic Materials: Part 2. Detonation, Combustion [Peter Politzer] on Amazon.com. *FREE* shipping on qualifying offers. This volume provides an overview of current
<http://www.amazon.com/Energetic-Materials-Part-Detonation-Combustion/dp/0444545530>

These simulations are also being used to calibrate the materials and chemistry Nanostructure enhanced Chemical Reactivity and Detonation in Energetic Materials.
<https://www.alcf.anl.gov/projects/nanostructure-enhanced-chemical-reactivity-and-detonation-energetic-materials>

Shock induced detonations in composite heterogeneous energetic materials R. K. Shukla , C. Pantano , T. L. Jackson , J. M. Austin , J. B. Freund
<http://arc.aiaa.org/doi/pdf/10.2514/6.2009-5503>

Incident Response to Terrorist Bombings actions during pre- and post-detonation or deter terrorist attacks involving energetic materials.
<http://www.emrtc.nmt.edu/index.php/training/irtb>

The objective of the present study is to characterize, on the meso scale level, the detonation behaviour of PBX based on HMX , based in the minimisation of the test
<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.1483688>

Rate constants for the reactions of OH with C O, C 2, and C 2O at 298K ClOx and NOx (x=1,2): A review, Computational and Theoretical Chemistry, 2011, 18 , 4060 Wiley Online Library; 3 R.S. Zhu, M.C. Lin, Energetic Materials - Part 2. Detonation, Combustion, 2003, 13, 373 CrossRef; 4 R. S. Zhu, Z. F. Xu, M. C. Lin,
<http://onlinelibrary.wiley.com/doi/10.1029/GL006i006p00425/abstract>

The 2014 Gordon Research Conference on Energetic Materials, "Characterization of Energetic Material Behavior with Detonation Performance Scaling Measurements"
<http://www.grc.org/programs.aspx?year=2014&program=energetic>

Two favorable primary mechanisms of fission in the NM initiation and . in: Politzer P., Murray J. (Eds.), Theoretical and computational chemistry, Vol. 13, Energetic Materials, Part 1, Detonation, combustion, Elsevier B. V., Amsterdam 2003, pp.
<http://yadda.icm.edu.pl/baztech/element/bwmetal.element.baztech-article-BAT1-0034-0027>

From laminar to turbulent detonations in energetic materials from molecular The structure of a self-sustained detonation wave in solid energetic materials was
http://iopscience.iop.org/1742-6596/500/17/172005/pdf/jpconf14_500_172005.pdf

The computation of detonation waves in heterogeneous explosives involves compressible multiphase mixtures due to the chemical decomposition of the energetic mat
<http://www.sciencedirect.com/science/article/pii/S0021999103006065>

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<http://www.sciencedirect.com/science/bookseries/13807323/4>

The research carried out by this contract was part of a larger effort funded by LANL in the areas of deflagration to detonation in porous energetic materials (DDT)
<http://www.osti.gov/scitech/biblio/354887>

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(, \))-L; I -1--I EPA/600/R-98/103 Emission Factors for the Disposal of Energetic Materials by Open Burning and Open Detonation (OB/OD) By William J. Mitchell and
<http://www2.epa.gov/sites/production/files/2015-03/documents/9546008.pdf>

ClO_x and NO_x (x=1,2): A review, Computational and Theoretical Chemistry, 2011, 2003, 118, 9, 4094 CrossRef; 5 R.S. Zhu, M.C. Lin, Energetic Materials - Part 2. Detonation, Combustion, 2003, 13, 373 CrossRef; 6 Adrian F. Tuck, Law of vibrational spectra and binding energy of HCl ClO and Cl₂ ClO complexes,
<http://onlinelibrary.wiley.com/doi/10.1029/GL013i012p01347/abstract>

Determining the hazard classification of energetic materials is important for transportation safety and storage concerns. To avoid costly grain redesign and add
<http://www.sciencedirect.com/science/article/pii/S0010218011003804>

This volume provides an overview of current research and recent advances in the area of energetic materials, focusing on explosives and propellants.
<http://www.amazon.com/Energetic-Materials-Volume-Theoretical-Computational/dp/0444515194>

A numerical study of deflagration-to-detonation transition (DDT) in porous HMX materials is carried out. Three reactive-flow models varying from single phase to three
<http://link.springer.com/article/10.1023%2FA%3A1004210317939>

The online version of Theoretical and Computational Chemistry at ScienceDirect. com, the Detonation, Combustion Energetic Materials Part 1. Chapter 2 Density functional theory models of reactivity based on an energetic criterion.
<http://www.sciencedirect.com/science/bookseries/13807323>

Sublimation Rate of Energetic Materials in Air: RDX and PETN, PDF, 2011, Arcady Role of Metal Ions in the Destruction of TATP: Theoretical Considerations, PDF . Accumulation of Explosives in Hair: Part II: Factors Effecting Sorption, PDF, 2007 . Combustion, & Detonation Chemistry of Energetic Materials editors Brill,
<http://energetics.chm.uri.edu/docAuthor>

We provide high-quality velocity of detonation testing & research services around the globe. We use various standard methods to measure the velocity of detonation of
<http://www.utec-corp.com/index.php/energetic-materials/velocity-of-detonation/>

Abstract A reaction-rate equation for a composite energetic material was calibrated from two-dimensional steady-state experiment data by using the detonation shock
<http://adsabs.harvard.edu/abs/1990PhDT.....41L>

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<http://www.amazon.it/Energetic-Materials-Detonation-Peter-Politzer/dp/0444515194>

Central European Journal of Energetic Materials, 2011, 8(1), 39-52 2Department of Chemistry, University of New Orleans, .. Fast Molecular Processes in Energetic Materials, in: Energetic Materials. Part 2. Detonation, Combustion. [22] Alkorta I., Elguero J., Rozas I., Balaban A.T., Theoretical Studies of Aza Analogues.

<http://www.wydawnictwa.ipo.waw.pl/cejem/1%202011/Politzer.pdf>

Scholar Commons Citation. Budzevich, Mikalai, "Atomistic Studies of Shock-Wave and Detonation Phenomena in Energetic Materials" (2011). Graduate Theses and Dissertations.

<http://scholarcommons.usf.edu/etd/3717/>

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pp. 1-453 (2003) Energetic Materials Part 2. Detonation, Combustion Chapter 2 - Classical molecular dynamics simulations with quantum degrees of freedom.

<http://www.sciencedirect.com/science/bookseries/13807323/7>

scitation: detonation shock dynamics for porous explosives and energetic materials

<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3295315>

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