

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

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Energetic Materials, Volume 13: Part 2. -

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>

Computational Characterization of a Potential -

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>

Energetic Materials Research and Testing Center -

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>

Modelling detonation waves in heterogeneous -

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>

Energetic Materials - Office of Naval Research -

Energetic materials weapon systems can be a Game Changer by increasing warfighters lethality and area of dominance.

<http://www.onr.navy.mil/en/Media-Center/Fact-Sheets/Energetic-Materials.aspx>

Explosive material - Wikipedia, the free encyclopedia -

An explosive material, also called an explosive, is a reactive substance that contains a great amount of potential energy that can produce an explosion if released

http://en.wikipedia.org/wiki/Explosive_material

Detonation Meso Scale Tests for Energetic -

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>

Energetic Materials, 1st Edition | P.A. Politzer, -

Energetic Materials, 1st Edition. Chapter 1. Sensitivity Correlations Chapter 2. A Study of Chemical Micro-Mechanisms of Initiation of Organic Polynitro Compounds

<http://store.elsevier.com/Energetic-Materials/isbn-9780444515193/>

Decomposition Mechanisms and Kinetics of Novel -

Jul 18, 2013 1,2,5-oxadiazole (BNFF-1), and 3-(4-amino-1,2 Explosive decomposition consists of three main stages: initiation, combustion, and detonation. The two chemistry in energetic compounds is a complex process, and hence progress in to initiation of detonation (or a propensity of an energetic material to.

<https://www.mdpi.com/1420-3049/18/7/8500/pdf>

Wright-Patterson Air Force Base - Fact Sheet -

The portfolio focuses on energetic materials science and shock physics of heterogeneous in energetic materials, including reactive materials by design;; Detonation physics, . (2) Combustion Chemistry the key element governing the underlying theoretical and computational) approaches to understand the combustion

http://www.wpafb.af.mil/library/factsheets/factsheet_print.asp?fsID=9196&page=1

Ignition and Detonation in Energetic Materials: An -

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/InstitutOtrana/AVT-214-Lectures/EN-AVT-214-03.pdf>

Investigations on deflagration to detonation -

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>

JMP: Publications - University of Notre Dame -

Jul 8, 2015 Powers, J. M., 2006, "Review of Multiscale Modeling of Detonation," Journal of with True Fifth Order Accuracy," Journal of Computational Physics, 213(1): of Two-Phase Detonation--Part II Structure," Combustion and Flame, . of Detonation," Gordon Research Conference-Energetic Materials, Tilton,

<http://www3.nd.edu/~powers/paper.list/>

Theoretical and Computational Chemistry - (Vol 3) -

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<http://www.sciencedirect.com/science/bookseries/13807323/3>

Nanostructure enhanced Chemical Reactivity and -

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>

From laminar to turbulent detonations in energetic -

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

AGU Publications -

Rate constants for the reactions of OH with C O, C 2, and C 2O at 298K ClO_x and NO_x (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>

Energetic Materials: Part 2. Detonation, -

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>

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<http://www.sciencedirect.com/science/bookseries/13807323/5>

Burning Rate of Solid Propellant Ingredients, Part -

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>

DETONATION SHOCK DYNAMICS FOR POROUS EXPLOSIVES -

scitation: detonation shock dynamics for porous explosives and energetic materials

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

Energetic materials. / Part 2, Detonation, -

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<http://www.worldcat.org/title/energetic-materials-part-2-detonation-combustion/oclc/162579966>

Theoretical and Computational Chemistry - (Vol 7) -

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>

Atomistic Studies Of Shock-Wave And Detonation -

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/>

Abstract - Wiley Online Library -

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>

Velocity of Detonation Testing & Research Services -

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/>

Detonation shock dynamics of composite energetic -

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>

Shock induced detonations in composite -

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>

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