1. Record Nr. UNINA9910465652403321

Autore	White Monica <1976->
Titolo	Military saints in Byzantium and Rus, 900-1200 / / Monica White [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-30099-1 1-107-23284-8 1-316-62935-X 1-107-30827-5 1-107-31382-1 1-139-01386-6 1-107-30607-8 1-107-30535-7 1-299-25710-0
Descrizione fisica	1 online resource (xv, 255 pages) : digital, PDF file(s)
Disciplina	274.7/03
Soggetti	Christian patron saints - Cult - Byzantine Empire Christian martyrs - Cult - Byzantine Empire War - Religious aspects - Christianity - History of doctrines - Middle Ages, 600-1500 Byzantine Empire History, Military 1081-1453 Byzantine Empire Church history
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	List of illustrations -- Acknowledgements -- A note on translations, transliterations and names -- List of abbreviations -- General map of Rus in the late pre-Mongul period -- Introduction -- ; 1. The pre-history of the military saints -- ; 2. The formation of the martyr-warrior ideal -- ; 3. The collective cult of the military saints -- ; 4. The military saints in early Rus -- ; 5. Boris and Gleb and the martyr-warrior ideal in Rus -- ; 6. Military saints under the House of Suzdal -- Conclusion -- Appendix 1. Feast days of the principal military saints -- Appendix 2. Reigns of Roman and Byzantine emperors mentioned in the text --

	Appendix 3. Simplified genealogy of the Riurikids -- Appendix 4. Rus churches and monasteries dedicated to patronal figures -- Appendix 5. Rus churches and monasteries dedicated to non-patronal figures -- Bibliography -- Index.
Sommario/riassunto	The rulers of the Byzantine Empire and its commonwealth were protected both by their own soldiers and by a heavenly army: the military saints. The transformation of Saints George, Demetrios, Theodore and others into the patrons of imperial armies was one of the defining developments of religious life under the Macedonian emperors. This book provides a comprehensive study of military sainthood and its roots in late antiquity. The emergence of the cults is situated within a broader social context, in which mortal soldiers were equated with martyrs and martyrs of the early Church recruited to protect them on the battlefield. Dr White then traces the fate of these saints in early Rus, drawing on unpublished manuscripts and other under-utilised sources to discuss their veneration within the princely clan and their influence on the first native saints of Rus, Boris and Gleb, who eventually joined the ranks of their ancient counterparts.

2.

Record Nr.	UNISALENTO991002417389707536
Autore	Sicuro, Gabriele
Titolo	Simmetrie di equazioni di evoluzione alle derivate frazionarie : applicazione a processi diffusivi. Tesi di laurea / laureando Gabriele Sicuro ; relatori Rosario Antonio Leo e Piergiulio Tempesta
Pubbl/distr/stampa	Lecce : Università del Salento, Lecce. Facoltà di Scienze. Corso di laurea magistrale in Fisica, a.a. 2010-11
Descrizione fisica	102 p. : ill. ; 30 cm
Altri autori (Persone)	Leo, Rosario Antonio Tempesta, Piergiulio
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3.

Record Nr.	UNINA9910810633003321
Autore	Kuo Kenneth K
Titolo	Applications of turbulent and multiphase combustion / / Kenneth K. Kuo, Ragini Acharya
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2012
ISBN	1-280-59273-7 9786613622563 1-118-13068-5 1-118-12757-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (602 p.)
Classificazione	SCI065000
Altri autori (Persone)	AcharyaRagini
Disciplina	621.402/3
Soggetti	Combustion engineering Turbulence Multiphase flow - Mathematical models Combustion - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Applications of Turbulent and Multiphase Combustion; Contents; Preface; Chapter 1 Solid Propellants and Their Combustion Characteristics; 1.1 Background of Solid Propellant Combustion; 1.1.1 Definition of Solid Propellants; 1.1.2 Desirable Characteristics of Solid Propellants; 1.1.3 Calculation of Oxygen Balance; 1.1.4 Homogeneous Propellants; 1.1.4.1 Decomposition Characteristics of NC; 1.1.5 Heterogeneous Propellants (or Composite Propellants); 1.1.6 Major Types of Ingredients in Solid Propellants; 1.1.6.1 Description of Oxidizer Ingredients; 1.1.6.2 Description of Fuel Binders 1.1.6.3 Curing and Cross-Linking Agents 1.1.6.4 Aging; 1.1.7 Applications of Solid Propellants; 1.1.7.1 Hazard Classifications of Solid Propellants; 1.1.8 Material Characterization of Propellants; 1.1.8.1 Propellant Density Calculation; 1.1.8.2 Propellant Mass Fraction,; 1.1.8.3 Viscoelastic Behavior of Solid Propellants; 1.1.9 Thermal Profile in a Burning Solid Propellant; 1.1.9.1 Surface and Subsurface Temperature Measurements of Solid Propellants; 1.1.9.2 Interfacial Energy Flux Balance at the Solid Propellant Surface; 1.1.9.3 Energy

Equation for the Gas Phase

1.1.9.4 Burning Rate of Solid Propellants 1.1.9.5 Temperature Sensitivity of Burning Rate; 1.1.9.6 Measurement of Propellant Burning Rate by Using a Strand Burner; 1.1.9.7 Measurement of Propellant Burning Rate by Using a Small-Scale Motor; 1.1.9.8 Burning Rate Temperature Sensitivity of Neat Ingredients; 1.2 Solid-Propellant Rocket and Gun Performance Parameters; 1.2.1 Performance Parameters of a Solid Rocket Motor; 1.2.1.1 Thrust of a Solid Rocket Motor; 1.2.1.2 Specific Impulse of a Solid Rocket Motor; 1.2.1.3 Density-Specific Impulse; 1.2.1.4 Effective Vacuum Exhaust Velocity 1.2.1.5 Characteristic Velocity C*1.2.1.6 Pressure Sensitivity of Burning Rate; 1.2.1.7 Thrust Coefficient Efficiency; 1.2.1.8 Effect of Pressure Exponent on Stable/Unstable Burning in Solid Rocket Motor; 1.2.2 Performance Parameters of Solid-Propellant Gun Systems; 1.2.2.1 Energy Balance Equation; 1.2.2.2 Efficiencies of Gun Propulsion Systems; 1.2.2.3 Heat of Explosion (Hoex); 1.2.2.4 Relative Quickness, Relative Force, and Deviations in Muzzle Velocity; 1.2.2.5 Dynamic Vivacity; Chapter 2 Thermal Decomposition and Combustion of Nitramines

2.1 Thermophysical Properties of Selected Nitramines 2.2 Polymorphic Forms of Nitramines; 2.2.1 Polymorphic Forms of HMX; 2.2.2 Polymorphic Forms of RDX; 2.3 Thermal Decomposition of RDX; 2.3.1 Explanation of Opposite Trends on - and -RDX Decomposition with Increasing Pressure; 2.3.2 Thermal Decomposition Mechanisms of RDX; 2.3.2.1 Homolytic N-N Bond Cleavage; 2.3.2.2 Concerted Ring Opening Mechanism of RDX; 2.3.2.3 Successive HONO Elimination Mechanism of RDX; 2.3.2.4 Analysis of Three Decomposition Mechanisms; 2.3.3 Formation of Foam Layer Near RDX Burning Surface

2.4 Gas-Phase Reactions of RDX

Sommario/riassunto

A hands-on, integrated approach to solving combustion problems in diverse areas An understanding of turbulence, combustion, and multiphase reacting flows is essential for engineers and scientists in many industries, including power generation, jet and rocket propulsion, pollution control, fire prevention and safety, and material processing. This book offers a highly practical discussion of burning behavior and chemical processes occurring in diverse materials, arming readers with the tools they need to solve the most complex combustion problems facing the scientific community today.