

1. Record Nr.	UNICAMPANIAVAN0085559
Autore	Agarwal, Ravi P.
Titolo	Ordinary and partial differential equations : with special functions, Fourier series, and boundary value problems / Ravi P. Argawal, Donal O'Regan
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Altri autori (Persone)	O'Regan, Donal
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2. Record Nr.	UNINA9911013679603321
Autore	Taddei, Michele
Titolo	Il giornalista pubblico : la centralità degli uffici stampa : una questione di democrazia / Michele Taddei ; con un contributo di Carlo Bartoli
Pubbl/distr/stampa	Ospedaletto, Pisa, : Pacini, 2024
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3. Record Nr.	UNINA9911022374803321
Autore	Kryvenko Pavlo V
Titolo	Ballistic Protection
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Altri autori (Persone)	Valerga PuertaAna Pilar Rivera-ArmentaJose Luis VinciAntonio
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Nota di contenuto	Intro -- Ballistic Protection -- Preface -- Table of Contents -- Chapter 1: Steel and Alloys for Armouring -- Effect of Thickness Hardened SKD 11 Modified Steel on the 7.62 mm Ballistic Performance -- The Influence of the Microstructure of an HHA Steel on the Formation of Adiabatic Shear Bands, after High Deformation Rates -- Computational Approches for Ballistic Impact Response of Stainless Steel 304 -- Microstructural Assessment of Nanobainite Formed in a Chemically Heterogeneous High-Carbon Al-Si Alloyed Steel -- Ballistic Testing Simulation of Ultra-High Strength Steel Water Layer Sandwich Structure -- Penetration Damaging Behavior of ATI425 Titanium Alloy -- Experimental Study on Welding Process of TC4 Titanium Alloy with Different Welding Wires -- Penetration Damaging Behavior of TB17 Titanium Alloy -- Promising Ballistic Behavior of CoCrFeMnNi High Entropy Alloy -- Influence of the Titanium Nitride Deposition Duration during Vacuum Ion-Plasma Treatment on the Resistance of Coatings in a Hydrogen Atmosphere -- Numerical Simulation of Ti-Based Metallic Glasses as Whipple Shield Bumper by Smoothed Particle Hydrodynamics Methods -- Chapter 2: Composites -- Influence of Degradation on the Ballistic Behavior of Aramid Fabric Reinforced Polymeric Armor Composites -- Simulation of Accelerated Ageing Conditions on Ballistic Resistance of Dyneema® Polyethylene Composites -- Manufacturing of

Novel Cork-STF Composites Designed for Impact Energy Absorption -- Research of the Behavior of Composite Panels under Impact Loads and the Creation of Reliable Protection of Armored Vehicles -- Ballistic Performance Evaluation of Kevlar-Glass Fibre Hybrid Composite Laminate against Medium Velocity Impact -- Numerical and Experimental Study of Multi-Layer Armors for Personal Protection. Numerical Analysis of SiC and UHMWPE Composite Ballistic Plates against 0.5 Caliber BMG Projectile -- The Effect of Filler and Fiber Type on the Behavior of Body Armor Composite -- Numerical Study of Ballistic Performance in Level III SiC Ceramic Multilayered UHMWPE Ballistic Plates -- Development of Graphene-Based Functional Coating for the Surface Modification of Textiles -- Experimental and Numerical Study of the Hybridisation Effect on the High-Velocity Impact Resistance of Thermoplastic Composites Based on Aramid Fabrics -- Simplified Approach to Verification of Numerical Models for Deformation and Fracture Analysis of Structural Composite Subjected to High-Velocity Impact -- Experimental Study of Tensile Preloading Influence on the Mechanical Behaviour of Pseudo-Ductile Hybrid Composite under High-Velocity Impact -- Natural Fiber Reinforced Composites as Bulletproof Panel Materials -- Ballistic Performance of Epoxy-Ramie Composite - SiC Layered Body Armor Using Finite Element Analysis -- Advanced Body Armor Utilizing Shear Thickening Fluid Based on Nanosized Silica Particles -- Experimental and Modeling Study on High Velocity Penetration of a Carbon/Epoxy Composite Laminate -- Study on Ballistic Characteristics of Glass-Epoxy-Rubber Sandwiches -- Experimental Study of Kerf Surface Finish of Abrasive Water-Jet Cutting of Kevlar Fiber-Reinforced Polymers -- Shear Thickening Fluids, Nano-Polymer Materials and their Application Methods for Textile Substrates -- Improvement of Tensile and Flexural Properties of Fiber Pre-Stressing Composite by Using Nano Graphene -- Chapter 3: Ceramics and Ceramic Matrix Composites -- Modeling and Optimization of the Fabrication of Al<sub>2</sub>O<sub>3</sub>- Based Ceramocomposites Reinforced with Carbon Nanotubes -- Features of Glass Plate Hardening by the Ion Exchange Method. Sintering Behavior of Al<sub>2</sub>O<sub>3</sub> Ceramics Doped with Pre-Sintered Nb<sub>2</sub>O<sub>5</sub> and LiF -- Novel Alumina Compounds with Niobia, Silica and Magnesia for Ballistic Armor -- Dynamic Response Behaviours of Al<sub>2</sub>O<sub>3</sub> Ceramics with Different Grain Sizes under SHPB Compression Loading -- Measurement of High Strain Rate Indentation-Induced Deformations in Al<sub>2</sub>O<sub>3</sub>/SiCp Composite Ceramics -- Polymer 3D-Printing for Fabrication of Ceramic Parts with Complex Shape -- Mechanical Properties of Hot-Pressed B<sub>4</sub>C-TiB<sub>2</sub> Composites Synthesized from B<sub>4</sub>C-TiO<sub>2</sub> and B<sub>4</sub>C-TiC -- Dynamic Compression Performance of Reaction Sintering SiC/B<sub>4</sub>C Composite -- Preparation and Fracture Analysis of Advanced Layered Composite with Graphene-Coated Alumina Nanofibers -- Chapter 4: Polymers -- Characterization and Properties of Polyurea Elastomer Used as Blast Mitigation Agent -- Ballistic Performance of Polycarbonate Plate Subjected to Truncated Cone Projectile -- Research on Mechanical Properties of PBO Microfibers Based on Molecular Scale Dynamics -- Quasi-Static and High Strain Rate Uniaxial Compressive Response of Recycled Polycarbonate from Industrial Waste -- Chapter 5: Building Materials and Structural Elements -- Pilot Fracture Tests of Special Fine-Grained Composites -- Literature Review of Applicable Ballistic Materials for Temporary Wooden Building Envelopes -- Durable and Highly Dissipative Fibrous Composites for Strengthening Coastal Military Constructions -- An Experimental Study on Electromagnetic Shielding Effectiveness and Impact Resistance of UHPC for Protective Facilities --

Influence of Temperature-Strain Parameters of Shelters Reinforcing Materials on Increasing Properties in the Z-Direction -- Research Regarding the Effects of 120 mm HE Mortar Bombs on Advanced Materials.

Numerical Study on the Effect of Different Steel Reinforcement Arrangement in Reinforced Concrete Wall Subjected to Blast Load -- Novel Sustainable Composites with Geopolymeric Steel Slag and Recycled from Packing PET -- The Influence of Cowper-Symonds Coefficients on the Response of Stiffened Steel Plates Subjected to Close-In Blast Loads -- Keyword Index -- Author Index.

Sommario/riassunto

Aggregated Book.