1. Record Nr. UNINA9910482846603321

Autore	Lauridsen Anders <1528-1589.>
Titolo	De cruce piorum, theses publice ad disputationem, ab Andrea Laurentio propositæ, Jacobo Jaocbi respondente [[electronic resource]]
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Altri autori (Persone)	JacobsenJac
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Autore	Sumesh M
Titolo	2nd International Conference on Smart Sustainable Materials and Technologies (ICSSMT 2023) [[electronic resource]] : Smart Sustainable Materials and Technologies (Volume 1) / / edited by M. Sumesh, João Manuel R. S. Tavares, S. C. Vettivel, Mario Orlando Oliveira
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
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Collana	Advances in Science, Technology & Innovation, IEREK Interdisciplinary Series for Sustainable Development, , 2522-8722
Altri autori (Persone)	R. S. TavaresJoão Manuel VettivelS. C OliveiraMario Orlando
Disciplina	620.11
Soggetti	Materials science Sustainability Materials Materials Science Materials Engineering
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Livello bibliografico	Monografia
Nota di contenuto	A review on basalt fibre reinforced polymer matrix composite material -- Optimizing Tensile Strength and Hardness in Al-Based Hybrid Composites via Stir-Squeeze Technique -- Evaluation of Hardness Properties of Al7475/B4C/Fly Ash Hybrid Composites using Friction Stir Process -- Multiscale Material Modelling for Evaluating Mechanical & Electrical Characteristics Graphene/ Glass Fibre Epoxy Hybrid-Composites -- Fabrication and Tensile Impact and Hardness test of Al6061/SiC/Coconut Shell Ash Composites -- A Review on Rolling Process for Polymer Nanocomposites with Different Nanofillers to Enhance Properties -- Synthesis and Characterization of co - precipitated Hematite --Fe2O3 Nanoparticles (AIO-NPs) -- Influence of the Bio-lubricant along with nano compounds as additives on the properties of the lubricant -- Experimental and Heat transfer analysis using Nanofluid in Cylindrical Heat pipe Heat Exchanger -- Two Au atoms-doped silicene nanoribbons in unit cell with an electrical field: A DFT study.
Sommario/riassunto	Sustainable materials science and engineering is one of the important characteristics of the existing high-tech revolution. The advances of materials science pave way for technical advancements in materials science and industrial technologies throughout the world. Materials are regarded as critical component in all emerging industries. Exquisite preparation and manufacturing must be carried out before a new material may be used. Nevertheless, electronic materials are undeniably important in many aspects of life. Smart materials and structures is a multi-disciplinary platform dedicated to technical advances in smart materials, systems and structures, including intelligent materials, sensing and actuation, adaptive structures, and active control. Recently, sustainable materials and technologies reshape the electronics industry to build realistic applications. At present, without the impact of sustainability, the electronics industry faces challenges. Researchers are now more focused on understanding the fundamental science of nano, micro, and macro-scale aspects of materials and technologies for sustainable development with a special attention toward reducing the knowledge gap between materials and system designs. The main aim of this international conference is to address the new trends on smart sustainable materials field for industrial and electronics applications. The main purpose of this conference is to assess the recent development in the applied science involving research activity from micro- to macro-scale aspects of materials and technologies for sustainable applications. In such a context, particular emphasis is given to research papers tailored in order to improve electronic and industrial applications and market extension of sustainable materials.