

ARTICLES SCHEDULED FOR NEXT DYNA ISSUE:

Month/Year: 7 / 2024

TOPIC	IdDoc Title	Keywords	Abstract	Originality - Why	Materials used
3322 Power technology - 3322.01 DISTRIBUCION DE ENERGIA	10986 UNDERSTANDING THE SPANISH ENERGY MARKET IN 2022 WITH AN ANALYSIS OF OFICIAL DATA	Mecanismo de ajuste del tope de gas, Isla energética, Gas natural masivo y caro, Exportaciones, Gas	ABSTRACT: The energy situation that occurred in the Spanish electricity and natural gas markets in 2022 implies the concept of a global crisis. This entails a significant	The article shows an analysis of the official results of the energy markets published in Spain, draw logical conclusions from the situation that occurred last 2022 and that had not	
3322 Power technology - 3322.02 GENERACION DE ENERGIA	11009 SUITABLE LOCATION ON THE SPANISH ATLANTIC COAST FOR THE IMPLEMENTATION OF A NEW WAVE ENERGY CONVERTER BASED ON DIFFERENT PARAMETERS	Spanish Atlantic coast, SIMAR point, Wave Energy Converter, Wave frequency, Wave slope, Wave	ABSTRACT: In the development of new Wave Energy Converters it is advisable, prior to their design, to carry out a study of the waves in order to check whether the device is	The article undertakes the study of the waves of the Spanish Atlantic coast, as well as a detailed study of the BiMEP area. It also shows an innovative WEC in the field of wave energy.	
3308 Environmental technology and engineering - 3308.99-3 ECODISEÑO	11017 INTELLIGENT MODULAR CHILDREN'S FURNITURE DESIGN	Diseño de productos, Inteligencia artificial, Modular, Infantil, Evolutivo, Product design, Modularity,	Nowadays, the digitisation of products occupies a very significant space in the product market, as incorporating new functionalities means satisfying new needs for users. Likewise, there is a	The research proposes the design of intelligent children's furniture of a cot that, in order to overcome the short life span of early childhood furniture, is a modular design that adapts to different	
1203 Computer Sciences - 1203.04 ARTIFICIAL INTELLIGENCE / INTELIGENCIA ARTIFICIAL	11048 CONVOLUTIONAL NEURAL NETWORK ARCHITECTURE FOR BENIGN KERATOSIS, MELANOCYTIC NEVI AND MELANOMA SKIN CANCER DETECTION	skin cancer, CNN models, HAM10000, classification, dataset	ABSTRACT: Early detection of skin cancer is quite important since some types, such as melanoma, are dangerous and even it can cause the death if are not properly and	A deep learning model for the detection of pigmented skin lesions is presented, which is lighter and faster than pre-trained models such as VGG16, ResNet50v2 and InceptionV3.	

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3102 Agricultural engineering - 3102.03 CONSTRUCCIONES AGROPECUARIAS	11049 NUMERICAL SIMULATION OF THE EFFECT OF GREENHOUSE CROP SIZE ON THE THERMAL GRADIENT OF AIR GENERATED BY HEATING SYSTEMS	Simulación, CFD, crecimiento del tomate, homogenización térmica, confort	ABSTRACT: In regions where winter temperatures fall below the tolerable thermal limits for crops, it is necessary to implement emergent equipment to supply heat	The present work consists of numerically comparing the temperature distribution in a greenhouse, using two energy sources to improve tomato production conditions. The differential	
5312 Sectorial economics - 5312.05 ENERGIA	11065 EMPOWERING ENERGY COMMUNITIES: THREE METHODS TO DISTRIBUTE SAVINGS IN LOCAL ENERGY MARKETS	energy communities, local energy market, allocation system, comunidades energéticas, mercado	ABSTRACT: In the current context of energy crisis, the energy sector is undergoing significant transformations towards a sustainable, competitive, and affordable energy	In this paper we explore, from an innovative perspective, the costs and benefits allocation that occur during internal energy trading within prosumer energy communities. The main	
2205 Mechanics - 2205.07 MEDIDAS DE PROPIEDADES DINAMICAS	11078 INTEGRACIÓN DE CORRELACIÓN DIGITAL DE IMÁGENES Y TERMOELASTICIDAD PARA EL ANÁLISIS EXPERIMENTAL DE FORMAS MODALES OPERACIONALES			This article carries out the integration of two optical techniques, digital image correlation (DIC) for the measurement of displacements and thermoelastic stress analysis (TSA) for the	
3313 Mechanical Engineering and technology - 3313.12 EQUIPO Y MAQUINARIA INDUSTRIAL	11080 STUDY OF THE INFLUENCE OF COPPER REINFORCEMENT ON THE TRIBOLOGICAL PROPERTIES OF PARTS OBTAINED BY FUSED FILAMENT FABRICATION	Fabricación Aditiva, tribología, pla reforzado, FFF, Fused Filament Fabrication, Reinforced polymer,	ABSTRACT: The excellent tribological properties of copper are well known, which is why it is commonly used in components whose tribological characteristics have a high	The excellent tribological properties of copper are well known. This is why it is commonly used in components whose tribological characteristics have a high impact. It is even common to find	
2205 Mechanics - 2205.99 OTRAS	11081 METHODOLOGICAL DEVELOPMENT OF PERSONALIZED ORTHOPEDIC SPLINTS THROUGH LOW-COST ADDITIVE MANUFACTURING	fabricación digital; inmovilización médica; escaneado tridimensional; extrusión de material,	Orthopedic splints are widely used to immobilize parts of the body during the recovery from bone injuries, surgeries, or post-traumatic recovery. In the medical field, there are two main types of splints:		

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3313 Mechanical Engineering and technology - 3313.17 OPERACIONES MECANIZADAS	11098 APPLICATION OF THE DISCRETE WAVELET TRANSFORM TO THE DETECTION OF CATASTROPHIC TOOL BREAKAGE DURING DRILLING OF AERONAUTICAL STRUCTURAL COMPONENTS	Discrete Wavelet Transform, Multiresolution Analysis, Time-frequency analysis,	ABSTRACT: This work presents an approach to the detection of catastrophic tool breakage in automatic drilling processes that take place during the assembly phase of	This article presents an approach for tool breakage detection in drilling processes of aerospace components made of carbon fibre reinforced polymer and titanium alloy. The study	
3322 Power technology - 3322.02 GENERACION DE ENERGIA	11236 CURRENT STATUS, CHALLENGES AND PROSPECTS OF CONTROLLED NUCLEAR FUSION: THE ECONOMICS	fusión nuclear controlada, fuentes de energía, economía de la energía, prospectiva energética, energy	ABSTRACT: This article presents some general considerations related to the economic and financial evaluation of commercial nuclear fusion plants for energy		

Note: This schedule is an estimate that may be subject to change depending on the needs of the publisher.