



Producción académica más relevante en los últimos 3 años

La siguiente tabla muestra la productividad académica más relevante de los integrantes del Núcleo Académico del programa de Doctorado que participan en la línea de Generación y/o Aplicación del Conocimiento: Análisis Dinámico y Térmico de Sistemas Mecánicos (ADTSM).

Abundis Fong Hugo Francisco		
Artículos		
Título del artículo	Revista	Año
1.- Single Output and Algebraic Modal Parameters Identification of a Wind Turbine Blade: Experimental Results	Applied Sciences	2021
2.- Mathematical modeling and fuzzy proportional–integral–derivative scheme to control the yaw motion of a wind turbine	Wind Energy	2021
3.- On-Line Modal Parameter Identification Applied to Linear and Nonlinear Vibration Absorbers	Actuators	2020
4.- Passive vibration control in a civil structure: Experimental results	Measurement and Control	2019
5.- A nonlinear controller based on saturation functions with variable parameters to stabilize an AUV	International Journal of Naval Architecture and Ocean Engineering	2019
6.- On the Boundary Conditions in a Non-Linear Dissipative Observer for Tubular Reactors	Processes	2019
Capítulos de libro		



Título del artículo	Libro	Año
1.- Attenuation of the Amplitude Vibration Level by Using Nonlinear Active Control Techniques Applied to a Hybrid Short Journal Bearing Using a Particular Rotor-Bearing System Configuration	Mechanisms and Machine Science: Industrial and Robotics Systems	2020
<b>Memorias de congreso</b>		
Título del artículo	Congreso	Año
1.- Modal Analysis on a Wind Turbine Blade Based on Wind Tunnel Experiments	International Modal Analysis Conference	2020
2.- Attenuation of Vibrations in a Mechanical Oscillator by Implementing Two Types of Vibration Absorbers: Experimental Results	International Conference on Mechatronics, Electronics and Automotive Engineering	2020
3.- Instrumentation of an Educational Prototype for Vibration and Signal Analysis	International Conference on Mechatronics, Electronics and Automotive Engineering	2020
<b>Serrano Arellano Juan</b>		
<b>Artículos</b>		
Título del artículo	Revista	Año
1.- Publication Preview Source A Review of Thermally Activated Building Systems (TABS) for Improving the Thermal Behavior of Buildings	Preprints	2022
2.- Empirical model of hygrothermal behavior of masonry wall under different climatic conditions using a hot box	Energy and Buildings	2021
3.- An approximate model of a multilayer wire-on-tube condenser operating with R134a and R600a: experimental validation and parametric analysis	Cases Studies in Thermal Engineering	2021



4.- Numerical Study of the Distribution of Temperatures and Relative Humidity in a Ventilated Room Located in Warm Weather	Computer Modeling in Engineering & Sciences	2020
5.- Experimental study of an earth to air heat exchanger (EAHE) for warm humid climatic conditions	Geothermics	2020
6.- Parametric analysis of the thermal behavior of a single-channel solar chimney	Solar Energy	2020
7.- Numerical Study of the Double Diffusion Natural Convection inside a Closed Cavity with Heat and Pollutant Sources Placed near the Bottom Wall	Energies	2020
8.- Overview of low GWP mixtures for the replacement of HFC refrigerants: R134a, R404A and R410A	International Journal of Refrigeration	2019
9.- Development of a solar calorimeter for the thermal evaluation of glazing samples	Journal of Building Physics	2019
<b>Palacios Pineda Luis Manuel</b>		
<b>Artículos</b>		
<b>Título del artículo</b>	<b>Revista</b>	<b>Año</b>
1.- Equivalent Power-Form Transformation For Fractal Bratu's Equation	Fractals	2021
2.- Equivalent power-form representation of the fractal Toda oscillator	Fractals	2020
3.- Broadening the frequency bandwidth of a finite extensibility nonlinear vibration absorber by exploiting its internal resonances	Nonlinear Dyn	2020
4.- He's frequency-amplitude formulation for nonlinear oscillators using Jacobi elliptic functions	Journal of Low Frequency Noise, Vibration and Active Control	2020



5.- Enhanced He's frequency-amplitude formulation for nonlinear oscillators	Results in Physics	2020
6.- Structural Analysis Of A New Total Ankle Replacement Prosthesis With Internal Structure	DYNA, Ingeniería e Industria	2019
<b>Francisco Noé Demesa López</b>		
<b>Artículos</b>		
<b>Título del artículo</b>	<b>Revista</b>	<b>Año</b>
1.- Correlation between Raman spectra and color of tungsten trioxide (WO <sub>3</sub> ) thermally evaporated from a tungsten filament	AIP Advances	2021
2.- Experimental assessment of heat exchangers with nested helical coils for an absorption heat transformer	Experimental Heat Transfer	2020
<b>Memorias de congreso</b>		
<b>Título del artículo</b>	<b>Congreso</b>	<b>Año</b>
Modeling the effect of roof coatings materiales on the building termal temperatura variations base don an artificial intelligence	Peruvian Workshop on Solar Energy	2022
Estudio Experimental Del Efecto Del Viento Sobre El Comportamiento Térmico De Un Destilador Solar De Doble Caseta	XLI Encuentro Nacional de la AMIDIQ	2020