

Amarildo T Paschoalini

List of Publications by Year in descending order

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42
papers

329
citations

933447

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docs citations

45
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Acoustic Filtering of the Pipe and Sensor in a Buried Plastic Water Pipe and its Effect on Leak Detection: An Experimental Investigation. <i>Sensors</i> , 2014, 14, 5595-5610.	3.8	68
2	Magnetic properties of vulcanized natural rubber nanocomposites as a function of the concentration, size and shape of the magnetic fillers. <i>Composites Part B: Engineering</i> , 2016, 85, 196-206.	12.0	55
3	On the effects of soil properties on leak noise propagation in plastic water distribution pipes. <i>Journal of Sound and Vibration</i> , 2018, 427, 120-133.	3.9	37
4	Towards an in-situ measurement of wave velocity in buried plastic water distribution pipes for the purposes of leak location. <i>Journal of Sound and Vibration</i> , 2015, 359, 40-55.	3.9	32
5	The effects of resonances on time delay estimation for water leak detection in plastic pipes. <i>Journal of Sound and Vibration</i> , 2018, 420, 315-329.	3.9	30
6	A virtual pipe rig for testing acoustic leak detection correlators: Proof of concept. <i>Applied Acoustics</i> , 2016, 102, 137-145.	3.3	26
7	Amplitude distortion of measured leak noise signals caused by instrumentation: Effects on leak detection in water pipes using the cross-correlation method. <i>Journal of Sound and Vibration</i> , 2019, 461, 114905.	3.9	17
8	On the role of vibro-acoustics in leak detection for plastic water distribution pipes. <i>Procedia Engineering</i> , 2017, 199, 1350-1355.	1.2	12
9	Estimation of the bulk and shear moduli of soil surrounding a plastic water pipe using measurements of the predominantly fluid wave in the pipe. <i>Journal of Applied Geophysics</i> , 2019, 164, 237-246.	2.1	11
10	Measurement of Wave Attenuation in Buried Plastic Water Distribution Pipes. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2015, 60, 298-306.	1.1	10
11	Evolution of thermal properties of natural rubber nanocomposites functionalized by nickel-zinc ferrite and potassium strontium niobate nanopowders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1397-1406.	3.6	9
12	Predictive maintenance of a worm reducer with an unbalanced load. <i>International Journal of Surface Science and Engineering</i> , 2014, 8, 302.	0.4	3
13	Experimental Study of a Cu-Mo Alloy Vapor Chamber. <i>MATEC Web of Conferences</i> , 2016, 39, 02001.	0.2	3
14	On the signum function and its effect on acoustic correlation for leak location in buried plastic water pipes. <i>Procedia Engineering</i> , 2017, 199, 1344-1349.	1.2	3
15	Experimental Analysis of a Vapor Chamber Applied to Thermal Management of Microelectronics. <i>Advanced Materials Research</i> , 0, 1120-1121, 1368-1372.	0.3	2
16	An Illustration of Some Methods to Detect Faults in Geared Systems Using a Simple Model of Two Meshed Gears. , 2017, , 221-239.		2
17	An analytical investigation into the use of magneto-rheological elastomers to suppress flexural waves in beams. <i>Procedia Engineering</i> , 2017, 199, 1338-1343.	1.2	2
18	A Review of Crack Propagation Modeling Using Peridynamics. , 2017, , 111-126.		1

#	ARTICLE	IF	CITATIONS
19	On the Dynamic Loading Effects of Soil on Plastic Water Distribution Pipes and its Significance for Leak Detection Using Acoustics. , 2018, , .		1
20	Análise de tensões em juntas soldadas pelo método dos elementos finitos. , 2018, , .		1
21	Analysis of Toxicity of Ceramic Nanoparticles and Functional Nanocomposites Based on Vulcanized Natural Rubber. MATEC Web of Conferences, 2015, 27, 02004.	0.2	0
22	Electro- and Magneto-Rheological Materials. , 2016, , 189-215.		0
23	Magnetic nanocomposites (SR/IRON) type isotropic MRE directed to vibration absorption systems. , 2017, , .		0
24	Diverter damper force analysis and stress intensity factors for its double fillet welds by boundary element method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	0
25	APPLICATION OF THE FINITE ELEMENTS METHOD IN THE THERMAL ANALYSIS OF INDOOR TELECOMMUNICATIONS CENTRAL CONSIDERING FORCED CONVECTION. , 2009, , .		0
26	CLIPAGEM ARTERIAL UTILIZANDO MODELO ARTIFICIAL CONSTRUÍDO. , 0, , .		0
27	SIMULAÇÃO NUMÉRICA DE UM VENTILADOR CENTRÍFUGO. , 0, , .		0
28	CONSTRUÇÃO DE UM TROCADOR DE CALOR PELO MÉTODO DE EBULIÇÃO NUCLEADA UTILIZANDO ACETONA. , 0, , .		0
29	Proposta de modelagem simplificada para vapor chamber. , 0, , .		0
30	Análise numérica de convecção forçada em arranjo de obstáculos dentro de um canal. , 0, , .		0
31	EVOLUTION IN ANALYSIS OF A FORMULA SAE CHASSIS USING FINITE ELEMENT METHOD. , 2017, , .		0
32	AN INVESTIGATION INTO THE EFFECTS OF SIGNAL DISTORTION ON THE ACCURACY OF TIME DELAY ESTIMATION FOR LEAK DETECTION IN BURIED PLASTIC WATER PIPES. , 2018, , .		0
33	Caracterização de um Elastômero Magneto Reológico composto de Silicone e Ferro Carbonila. , 2018, , .		0
34	Análise de Rigidez da Parede de um Tubo de Látex para Simulação da Formação de Aneurismas na Artéria Aorta. , 2018, , .		0
35	On the Effects of Soil-Pipe Interface Conditions on the Fluid-Dominated Axisymmetric Wave in Buried Plastic Water Pipes. , 2018, , .		0
36	Estimativa da Velocidade de Propagação de Ruído de Vazamento Utilizando Geofone como Atuador para Localização de Vazamento em uma Tubulação Subterrânea. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Comparison of Two Methods of Excitation for Leak Noise Velocity Measurement in Buried Plastic Water Pipes. , 2019, , .		0
38	NUMERICAL AND EXPERIMENTAL INVESTIGATION OF THE LEAKAGE VIBRO-ACOUSTIC SIGNAL IN A PLASTIC WATER PIPE. , 2019, , .		0
39	Localization of a harmonic excitation load in a bi-clamped beam using finite element method and artificial neural network. , 2019, , .		0
40	ESTUDOS DE ARRANJO DE PLATAFORMA FLUTUANTE PARA IMPLANTAÇÃO DE SISTEMAS FOTOVOLTAICOS EM LAGOS/RESERVATÓRIOS DE UHE'S. Revista SODEBRAS, 2019, 14, 82-87.	0.0	0
41	Determination of thermal conductivity of epoxy resin with metallic load. Latin American Journal of Development, 2020, 2, 379-392.	0.0	0
42	SINCRONIZAÇÃO DE SINAIS VIA GPS PARA SISTEMAS DE DETECÇÃO DE VAZAMENTOS POR CORRELAÇÃO CRUZADA. , 2018, , .		0