

Margarita Gonzalez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2540099/publications.pdf>

Version: 2024-02-01

31
papers

582
citations

567281

15
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

596
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of freeze-thaw damage in concrete by ultrasonic imaging. NDT and E International, 2012, 52, 86-94.	3.7	80
2	Porosity estimation of concrete by ultrasonic NDE. Ultrasonics, 2000, 38, 531-533.	3.9	65
3	NDE ultrasonic methods to characterise the porosity of mortar. NDT and E International, 2001, 34, 557-562.	3.7	49
4	An Embedded Stress Sensor for Concrete SHM Based on Amorphous Ferromagnetic Microwires. Sensors, 2014, 14, 19963-19978.	3.8	44
5	Monitoring of Freeze-Thaw Cycles in Concrete Using Embedded Sensors and Ultrasonic Imaging. Sensors, 2014, 14, 2280-2304.	3.8	34
6	Application of micromechanics to the characterization of mortar by ultrasound. Ultrasonics, 2002, 40, 217-221.	3.9	29
7	Application of a micromechanical model of three phases to estimating the porosity of mortar by ultrasound. Cement and Concrete Research, 2006, 36, 617-624.	11.0	29
8	Optimized OpenCL implementation of the Elastodynamic Finite Integration Technique for viscoelastic media. Computer Physics Communications, 2014, 185, 2683-2696.	7.5	26
9	Non-destructive characterisation of alumina/aluminium titanate composites using a micromechanical model and ultrasonic determinations. Ceramics International, 2008, 34, 181-188.	4.8	21
10	On the measurement of frequency-dependent ultrasonic attenuation in strongly heterogeneous materials. Ultrasonics, 2010, 50, 824-828.	3.9	21
11	Influence of environmental conditions on concrete manufactured with recycled and steel slag aggregates at early ages and long term. Construction and Building Materials, 2020, 249, 118739.	7.2	19
12	Formulation of a new micromechanic model of three phases for ultrasonic characterization of cement-based materials. Cement and Concrete Research, 2006, 36, 609-616.	11.0	18
13	Study of the influence of microstructural parameters on the ultrasonic velocity in steel-fiber-reinforced cementitious materials. Construction and Building Materials, 2011, 25, 3066-3072.	7.2	15
14	Ultrasonic wave propagation in cementitious materials: A multiphase approach of a self-consistent multiple scattering model. Ultrasonics, 2011, 51, 71-84.	3.9	15
15	Monitoring of the curing process in precast concrete slabs: An experimental study. Construction and Building Materials, 2016, 122, 406-416.	7.2	15
16	Ultrasound Transmission Tomography for Detecting and Measuring Cylindrical Objects Embedded in Concrete. Sensors, 2017, 17, 1085.	3.8	15
17	Time-frequency Wiener filtering for structural noise reduction. Ultrasonics, 2002, 40, 259-261.	3.9	14
18	Microstructural and mechanical properties study of the curing process of self-compacting concrete. Materials and Design, 2016, 94, 479-486.	7.0	10

#	ARTICLE	IF	CITATIONS
19	Porosity estimation of aged mortar using a micromechanical model. <i>Ultrasonics</i> , 2006, 44, e1007-e1011.	3.9	9
20	Microwire-Based Sensor Array for Measuring Wheel Loads of Vehicles. <i>Sensors</i> , 2019, 19, 4658.	3.8	9
21	Time-varying prediction filter for structural noise reduction in ultrasonic NDE. <i>Ultrasonics</i> , 2006, 44, e1001-e1005.	3.9	7
22	Effect of the fluid in the inclusions of cement paste on the ultrasonic velocity. <i>Ultrasonics</i> , 2004, 42, 865-869.	3.9	6
23	Signal-to-noise ratio enhancement based on the whitening transformation of colored structural noise. <i>Ultrasonics</i> , 2000, 38, 500-502.	3.9	5
24	Speckle reduction by energy time-frequency filtering. <i>Ultrasonics</i> , 2004, 42, 843-846.	3.9	5
25	Non-destructive characterisation of alumina/aluminium titanate composites using a micromechanical model and ultrasonic determinations. <i>Ceramics International</i> , 2008, 34, 189-195.	4.8	5
26	Characterization of mortar samples using ultrasonic scattering attenuation. <i>Physics Procedia</i> , 2010, 3, 839-845.	1.2	5
27	A system designed to monitor in-situ the curing process of sprayed concrete. <i>Construction and Building Materials</i> , 2019, 224, 823-834.	7.2	4
28	A Multisensor System for the Characterization of the Field Pressure in Terrain. Accuracy, Response, and Adjustments. <i>Sensors</i> , 2019, 19, 3942.	3.8	3
29	A full-scale experimental study of sub-slab pressure fields induced by underground perforated pipes as a soil depressurisation technique in radon mitigation. <i>Journal of Environmental Radioactivity</i> , 2020, 225, 106420.	1.7	3
30	Non-destructive monitoring of curing process in precast concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 42, 012050.	0.6	2
31	Combined US and UWB-RF imaging of concrete structures for identification and location of embedded materials. <i>Construction and Building Materials</i> , 2017, 152, 693-701.	7.2	0