

Paola Antonaci

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3902365/publications.pdf>

Version: 2024-02-01

51
papers

1,512
citations

430442

18
h-index

301761

39
g-index

51
all docs

51
docs citations

51
times ranked

1100
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Self-Healing Concrete for Damage Management of Structures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800074.	1.9	412
2	Experimental characterization of the self-healing capacity of cement based materials and its effects on the material performance: A state of the art report by COST Action SARCOS WG2. <i>Construction and Building Materials</i> , 2018, 167, 115-142.	3.2	183
3	Monitoring evolution of compressive damage in concrete with linear and nonlinear ultrasonic methods. <i>Cement and Concrete Research</i> , 2010, 40, 1106-1113.	4.6	109
4	Geopolymer technology for application-oriented dense and lightened materials. Elaboration and characterization. <i>Ceramics International</i> , 2015, 41, 12967-12979.	2.3	85
5	Analysis of elastic nonlinearity using the scaling subtraction method. <i>Physical Review B</i> , 2009, 79, .	1.1	78
6	Nonlinear ultrasonic evaluation of load effects on discontinuities in concrete. <i>Cement and Concrete Research</i> , 2010, 40, 340-346.	4.6	68
7	Addressing the need for standardization of test methods for self-healing concrete: an inter-laboratory study on concrete with macrocapsules. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 661-682.	2.8	50
8	Fatigue crack propagation monitoring by Acoustic Emission signal analysis. <i>Engineering Fracture Mechanics</i> , 2012, 81, 26-32.	2.0	42
9	Setup of Extruded Cementitious Hollow Tubes as Containing/Releasing Devices in Self-Healing Systems. <i>Materials</i> , 2015, 8, 1897-1923.	1.3	39
10	Experimental analysis of self-healing cement-based materials incorporating extruded cementitious hollow tubes. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 2633-2652.	1.4	39
11	Nonlinear elastic response of thermally damaged consolidated granular media. <i>Journal of Applied Physics</i> , 2013, 113, 154902.	1.1	35
12	Effects of corrosion on linear and nonlinear elastic properties of reinforced concrete. <i>Cement and Concrete Research</i> , 2013, 51, 96-103.	4.6	32
13	Sealing efficiency of cement-based materials containing extruded cementitious capsules. <i>Construction and Building Materials</i> , 2020, 251, 119039.	3.2	31
14	Ultrasonic Monitoring of the Interaction between Cement Matrix and Alkaline Silicate Solution in Self-Healing Systems. <i>Materials</i> , 2017, 10, 46.	1.3	29
15	Behaviour of Pre-Cracked Self-Healing Cementitious Materials under Static and Cyclic Loading. <i>Materials</i> , 2020, 13, 1149.	1.3	29
16	Evaluation of Methodologies for Assessing Self-Healing Performance of Concrete with Mineral Expansive Agents: An Interlaboratory Study. <i>Materials</i> , 2021, 14, 2024.	1.3	29
17	Valorisation of alumino-silicate stone muds: From wastes to source materials for innovative alkali-activated materials. <i>Cement and Concrete Composites</i> , 2017, 83, 251-262.	4.6	28
18	Evolution of damage-induced nonlinearity in proximity of discontinuities in concrete. <i>International Journal of Solids and Structures</i> , 2010, 47, 1603-1610.	1.3	24

#	ARTICLE	IF	CITATIONS
19	Role of Natural Stone Wastes and Minerals in the Alkali Activation Process: A Review. <i>Materials</i> , 2020, 13, 2284.	1.3	16
20	A study of the main factors affecting the performance of self-sensing concrete. <i>Advances in Cement Research</i> , 2017, 29, 216-226.	0.7	15
21	Damage analysis of brick-to-mortar interfaces. <i>Procedia Engineering</i> , 2011, 10, 1151-1156.	1.2	12
22	Diagnostic application of nonlinear ultrasonics to characterize degradation by expansive salts in masonry systems. <i>NDT and E International</i> , 2013, 55, 57-63.	1.7	12
23	Mechanics of trichocyte alpha-keratin fibers: Experiment, theory, and simulation. <i>Journal of Materials Research</i> , 2015, 30, 26-35.	1.2	12
24	Sensor Placement Strategies for the Seismic Monitoring of Complex Vaulted Structures of the Modern Architectural Heritage. <i>Shock and Vibration</i> , 2018, 2018, 1-14.	0.3	12
25	Experimental study for the evaluation of creep in concrete through thermal measurements. <i>Cement and Concrete Research</i> , 2005, 35, 1776-1783.	4.6	10
26	Epoxy monomers consolidant for lime plaster cured via a redox activated cationic polymerization. <i>Journal of Cultural Heritage</i> , 2014, 15, 595-601.	1.5	10
27	Photo-polymerization for additive manufacturing of composite solid propellants. <i>Acta Astronautica</i> , 2021, 182, 58-65.	1.7	10
28	Nonequilibrium phenomena in damaged media and their effects on the elastic properties. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 4304-4315.	0.5	9
29	Durability of self-healing cementitious systems with encapsulated polyurethane evaluated with a new pre-standard test method. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, .	1.3	9
30	A Novel Life Prediction Model Based on Monitoring Electrical Properties of Self-Sensing Cement-Based Materials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5080.	1.3	8
31	One-channel time reversal acoustics in highly attenuating media. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 135502.	1.3	6
32	Experimental Evaluation of Tensile Performance of Aluminate Cement Composite Reinforced with Weft Knitted Fabrics as a Function of Curing Temperature. <i>Polymers</i> , 2021, 13, 4385.	2.0	6
33	Long Mechanical Interaction between Strengthening Materials and Preexisting Structures. <i>Journal of Materials in Civil Engineering</i> , 2006, 18, 634-640.	1.3	4
34	Conditioning-induced elastic nonlinearity in hysteretic media. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 421-424.	1.1	4
35	The Pull-Out Method For On-Site Estimation of the Elastic Modulus of Concrete. <i>Journal of Strain Analysis for Engineering Design</i> , 2005, 40, 505-511.	1.0	2
36	A Novel Ultrasonic Technique to Detect Damage Evolution in Quasi-Brittle Materials. <i>Key Engineering Materials</i> , 2007, 347, 633-638.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Non Destructive Characterization of Concrete Joints Using the Scaling Subtraction Method. Key Engineering Materials, 0, 417-418, 41-44.	0.4	2
38	Break of reciprocity principle induced by cracks in concrete: experimental evidence and applications to nonlinear tomography. Proceedings of Meetings on Acoustics, 2010, , .	0.3	2
39	Fatigue Crack Propagation Monitoring by Acoustic Emission Signal Analysis. Key Engineering Materials, 0, 465, 370-373.	0.4	2
40	Influence of the patellar button thickness on the knee flexion after total knee arthroplasty. Acta of Bioengineering and Biomechanics, 2018, 20, 121-134.	0.2	2
41	Fracture Process Characterization by Acoustic Emission Signal Components. Key Engineering Materials, 0, 465, 290-293.	0.4	1
42	A Novel Ultrasonic Technique to Detect Damage Evolution in Quasi-Brittle Materials. Key Engineering Materials, 0, , 633-638.	0.4	1
43	Robustness of the SSM applied to damage assessment in concrete. Proceedings of Meetings on Acoustics, 2010, , .	0.3	1
44	Linking Elastic Nonlinearity and Cracks Growth in Mortar Samples. Key Engineering Materials, 0, 417-418, 293-296.	0.4	0
45	Elastic Conditioning, Memory and Relaxation Induced by the Presence of Cracks in Concrete. Key Engineering Materials, 0, 417-418, 253-256.	0.4	0
46	A Novel Acoustic Emission Technique to Monitor Damage Evolution in Masonry Structures. Advanced Materials Research, 2010, 163-167, 2461-2464.	0.3	0
47	Creep Behaviour of Reinforced Masonry Walls by CFRP Sheets and Structural Mortar. Key Engineering Materials, 0, 452-453, 125-128.	0.4	0
48	Mechanical Behavior of Structural Concrete Made with Recycled Aggregates from Tunnel Excavation. Key Engineering Materials, 0, 452-453, 121-124.	0.4	0
49	Cyclic vs. Static Loading Behaviour of Masonry Blocks: An Approach to Evaluate the Long-Term Behaviour. Key Engineering Materials, 0, 452-453, 129-132.	0.4	0
50	Experimental Analysis of the Thermal Behaviour of Concrete under Low-Intensity Short Duration Cyclic Compressive Loads. Key Engineering Materials, 0, 465, 366-369.	0.4	0
51	Effects of the Manufacturing Methods on the Mechanical Properties of a Medical-Grade Copolymer Poly(L-lactide-co-D,L-lactide) and Poly(L-lactide-co-ε-caprolactone) Blend. Materials, 2021, 14, 6381.	1.3	0