

Luciana Restuccia

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

809
citations

471509

17
h-index

526287

27
g-index

45
all docs

45
docs citations

45
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-Seismic Retrofitting Techniques for Vernacular Adobe Buildings in Colombia: A Proposed Framework for Developing and Assessing Sustainable and Appropriate Interventions. International Journal of Architectural Heritage, 2022, 16, 923-939.	3.1	3
2	Increase the fracture energy of foamed concrete: two possible solutions. Procedia Structural Integrity, 2022, 39, 229-235.	0.8	0
3	Stability, flexural behavior and compressive strength of ultra-lightweight fiber-reinforced foamed concrete with dry density lower than 1000 kg/m ³ . Journal of Building Engineering, 2022, 51, 104329.	3.4	16
4	Biochar addition for 3DCP: a preliminary study. Procedia Structural Integrity, 2022, 41, 699-703.	0.8	2
5	A simple optimized foam generator and a study on peculiar aspects concerning foams and foamed concrete. Construction and Building Materials, 2021, 268, 121101.	7.2	24
6	Strategies to increase the compressive strength of ultra-lightweight foamed concrete. Procedia Structural Integrity, 2020, 28, 1673-1678.	0.8	7
7	Mechanical characterization of different biochar-based cement composites. Procedia Structural Integrity, 2020, 25, 226-233.	0.8	35
8	Nano CaCO ₃ particles in cement mortars towards developing a circular economy in the cement industry. Procedia Structural Integrity, 2020, 26, 155-165.	0.8	24
9	The exoskeleton technology as a solution to seismic adjustment of existing buildings. Procedia Structural Integrity, 2020, 26, 175-186.	0.8	4
10	The use of Biochar to reduce the carbon footprint of cement-based materials. Procedia Structural Integrity, 2020, 26, 199-210.	0.8	43
11	An experimental set-up for cyclic loading of concrete. Procedia Structural Integrity, 2020, 25, 413-419.	0.8	2
12	Nearly zero CO ₂ cementitious composites. Material Design and Processing Communications, 2020, 2, e125.	0.9	2
13	Investigation on the Rheological Behavior of Lightweight Foamed Concrete for 3D Printing Applications. RILEM Bookseries, 2020, , 246-254.	0.4	7
14	The exoskeleton: a solution for seismic retrofitting of existing buildings. Procedia Structural Integrity, 2020, 25, 294-304.	0.8	5
15	Influence of biochar additions on the fracture behavior of foamed concrete. Frattura Ed Integrita Strutturale, 2020, 14, 189-198.	0.9	24
16	Mechanical properties and carbon footprint of 3D-printable cement mortars with biochar additions. MATEC Web of Conferences, 2020, 323, 01017.	0.2	2
17	Biochar-based cement pastes and mortars with enhanced mechanical properties. Frattura Ed Integrita Strutturale, 2020, 14, 297-316.	0.9	10
18	Seismic performance of exoskeleton structures. Engineering Structures, 2019, 198, 109459.	5.3	24

#	ARTICLE	IF	CITATIONS
19	Fracture behavior of lightweight foamed concrete: The crucial role of curing conditions. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102297.	4.7	24
20	Investigation on the fracture behavior of foamed concrete. <i>Procedia Structural Integrity</i> , 2019, 18, 525-531.	0.8	3
21	Evaluation of the mechanical properties of cements with fillers derived from the CO2 reduction of cement plants. <i>Procedia Structural Integrity</i> , 2019, 18, 472-483.	0.8	6
22	Design of bismuth oxide nanoparticles as lightweight aggregate in cement composites against X-rays. <i>Material Design and Processing Communications</i> , 2019, 1, e34.	0.9	5
23	Type of materials, pyrolysis conditions, carbon content and size dimensions: The parameters that influence the mechanical properties of biochar cement-based composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102261.	4.7	45
24	Fracture properties of green mortars with recycled sand. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 676-689.	0.9	0
25	An investigation of the beneficial effects of adding carbon nanotubes to standard injection grout. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 119-128.	3.4	6
26	Influence of filler size on the mechanical properties of cement-based composites. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 797-805.	3.4	21
27	Influence of pyrolysis parameters on the efficiency of the biochar as nanoparticles into cement-based composites. <i>Procedia Structural Integrity</i> , 2018, 13, 2132-2136.	0.8	18
28	Feasibility and effectiveness of exoskeleton structures for seismic protection. <i>Procedia Structural Integrity</i> , 2018, 9, 303-310.	0.8	9
29	Considerations over the Italian road bridge infrastructure safety after the Polcevera viaduct collapse: past errors and future perspectives. <i>Frattura Ed Integrita Strutturale</i> , 2018, 12, 400-421.	0.9	44
30	Improving the mechanical performance of cement composites by carbon nanotubes addition. <i>Procedia Structural Integrity</i> , 2017, 3, 11-17.	0.8	52
31	New self-healing techniques for cement-based materials. <i>Procedia Structural Integrity</i> , 2017, 3, 253-260.	0.8	23
32	Fractal analysis of crack paths into innovative carbon-based cementitious composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 90, 133-141.	4.7	43
33	Fracture toughness and failure mechanism of high performance concrete incorporating carbon nanotubes. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 238-248.	0.9	10
34	Recycled Mortars with C&D Waste. <i>Procedia Structural Integrity</i> , 2016, 2, 2896-2904.	0.8	18
35	Carbonized nano/microparticles for enhanced mechanical properties and electromagnetic interference shielding of cementitious materials. <i>Frontiers of Structural and Civil Engineering</i> , 2016, 10, 209-213.	2.9	79
36	Promising low cost carbon-based materials to improve strength and toughness in cement composites. <i>Construction and Building Materials</i> , 2016, 126, 1034-1043.	7.2	93

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37	Valorisation of by-Products/Waste of Agro-Food Industry by the Pyrolysis Process. Journal of Advanced Catalysis Science and Technology, 2016, 3, 1-11.	1.0	11
38	Crack path and fracture surface modifications in cement composites. Frattura Ed Integrita Strutturale, 2016, , .	0.9	8
39	Modified fracture properties of cement composites with nano/micro carbonized bagasse fibers. Frattura Ed Integrita Strutturale, 2016, , .	0.9	4
40	Mortar Made of Recycled Sand from C&D. Procedia Engineering, 2015, 109, 240-247.	1.2	7
41	New Concepts for Next Generation of High Performance Concretes. , 2014, 3, 1760-1766.		4
42	Improvements in self-consolidating cementitious composites by using micro carbonized aggregates. Frattura Ed Integrita Strutturale, 2014, 8, 75-83.	0.9	23
43	Nanoparticles from food waste: a "green" future for traditional building materials. , 0, , .		16
44	TOWARDS A SUSTAINABLE AND CONTEXT-BASED APPROACH TO ANTI-SEISMIC RETROFITTING TECHNIQUES FOR VERNACULAR ADOBE BUILDINGS IN COLOMBIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIV-M-1-2020, 1089-1096.	0.2	3