Paulina Faria

List of Publications by Citations

98 papers	1,315 citations	20 h-index	33 g-index
105 ext. papers	1,634 ext. citations	4 avg, IF	5.34 L-index

#	Paper	IF	Citations
98	New natural hydraulic lime mortars Physical and microstructural properties in different curing conditions. *Construction and Building Materials*, **2014**, 54, 378-384	6.7	83
97	Physical and chemical assessment of lime metakaolin mortars: Influence of binder:aggregate ratio. *Cement and Concrete Composites*, **2014**, 45, 264-271	8.6	76
96	Comparative evaluation of lime mortars for architectural conservation. *Journal of Cultural Heritage*, **2008**, 9, 338-346	2.9	73
95	Mechanical and mineralogical properties of natural hydraulic lime-metakaolin mortars in different curing conditions. *Construction and Building Materials*, **2014**, 51, 287-294	6.7	70
94	Lime mortars with heat treated clays and ceramic waste: A review. *Construction and Building Materials*, **2014**, 73, 125-136	6.7	64
93	Cement-cork mortars for thermal bridges correction. Comparison with cement-EPS mortars performance. *Construction and Building Materials*, **2013**, 49, 315-327	6.7	51
92	Earth-based mortars for repair and protection of rammed earth walls. Stabilization with mineral binders and fibers. *Journal of Cleaner Production*, **2018**, 172, 2401-2414	10.3	50
91	Production of eco-efficient earth-based plasters: Influence of composition on physical performance and bio-susceptibility. *Journal of Cleaner Production*, **2017**, 167, 55-67	10.3	43
90	Lime mortars with ceramic wastes: Characterization of components and their influence on the mechanical behaviour. *Construction and Building Materials*, **2014**, 73, 523-534	6.7	41
89	Development of sustainable alkali-activated bricks using industrial wastes. *Construction and Building Materials*, **2019**, 215, 180-191	6.7	40
88	Experimental Characterization of an Earth Eco-Efficient Plastering Mortar. *Journal of Materials in Civil Engineering*, **2016**, 28, 04015085	3	39
87	External treatments for the preventive repair of existing constructions: A review. *Construction and Building Materials*, **2018**, 193, 435-452	6.7	39
86	Hydric Behavior of Earth Materials and the Effects of Their Stabilization with Cement or Lime: Study on Repair Mortars for Historical Rammed Earth Structures. *Journal of Materials in Civil Engineering*, **2016**, 28, 04016041	3	34
85	Unstabilized Rammed Earth: Characterization of Material Collected from Old Constructions in South Portugal and Comparison to Normative Requirements. *International Journal of Architectural Heritage*, **2014**, 8, 185-212	2.1	31
84	Electrodialytic removal of tungsten and arsenic from secondary mine resources - Deep eutectic solvents enhancement. *Science of the Total Environment*, **2020**, 710, 136364	10.2	27
83	Anomalies detection in adhesive wall tiling systems by infrared thermography. *Construction and Building Materials*, **2017**, 148, 419-428	6.7	25
82	Earthen Plasters Based on Illitic Soils from Barrocal Region of Algarve: Contributions for Building Performance and Sustainability. *Key Engineering Materials*, **2016**, 678, 64-77	0.4	25

81	Rice husk-earth based composites: A novel bio-based panel for buildings refurbishment. *Construction and Building Materials*, **2019**, 221, 99-108	6.7	23
80	New composite of natural hydraulic lime mortar with graphene oxide. *Construction and Building Materials*, **2017**, 156, 1150-1157	6.7	21
79	Can an earth plaster be efficient when applied on different masonries?. *Journal of Building Engineering*, **2019**, 23, 314-323	5.2	21
78	Rammed earth walls repair by earth-based mortars: The adequacy to assess effectiveness. *Construction and Building Materials*, **2019**, 205, 213-231	6.7	20
77	Comparison of mineralogical, mechanical and hygroscopic characteristic of earthen, gypsum and cement-based plasters. *Construction and Building Materials*, **2020**, 254, 119222	6.7	20
76	Coatings applied on damp building substrates: performance and influence on moisture transport **2011**, 8, 513-525		20
75	Performance parameters of ETICS: Correlating water resistance, bio-susceptibility and surface properties. *Construction and Building Materials*, **2021**, 272, 121956	6.7	20
74	Earth Plasters: The Influence of Clay Mineralogy in the Plasters Properties. *International Journal of Architectural Heritage*, **2020**, 14, 948-963	2.1	17
73	Efficacy of iron-based bioproducts as surface biotreatment for earth-based plastering mortars. *Journal of Cleaner Production*, **2019**, 237, 117803	10.3	17
72	Current Mortars in Conservation: An Overview / Heute beim Konservieren verwendete Mittel: Eine bersicht. *Restoration of Buildings and Monuments*, **2004**, 10, 609-622	0.7	17
71	Eco-Efficient Earthen Plasters: The Influence of the Addition of Natural Fibers. *RILEM Bookseries*, **2016**, 315-327	0.5	17
70	Procedure to determine the impact of the surface film resistance on the hygric properties of composite clay/fibre plasters. *Materials and Structures/Materiaux Et Constructions*, **2017**, 50, 1	3.4	16
69	Evaluation of Pozzolanic Reactivity of Artificial Pozzolans. *Materials Science Forum*, **2012**, 730-732, 433-438	0.4	16
68	Characterisation of old azulejos setting mortars: A contribution to the conservation of this type of coatings. *Construction and Building Materials*, **2018**, 171, 128-139	6.7	13
67	Life cycle assessment of mortars: A review on technical potential and drawbacks. *Construction and Building Materials*, **2021**, 288, 123069	6.7	13
66	Overview of mining residues incorporation in construction materials and barriers for full-scale application. *Journal of Building Engineering*, **2020**, 29, 101215	5.2	12
65	Natural hydraulic lime mortars - The effect of ceramic residues on physical and mechanical behaviour. *Journal of Building Engineering*, **2020**, 32, 101747	5.2	12
64	Effect of temperature on the sorption curves of earthen materials. *Materials and Structures/Materiaux Et Constructions*, **2017**, 50, 1	3.4	11

63	Mineralogical and microstructural characterisation of rammed earth and earthen mortars from 12th century Paderne Castle. *Journal of Cultural Heritage*, **2020**, 42, 226-239	2.9	11
62	Agro-industrial wastes as building insulation materials: A review and challenges for Euro-Mediterranean countries. *Industrial Crops and Products*, **2021**, 171, 113833	5.9	11
61	Pozzolanic Components in Lime Mortars: Correlating Behaviour, Composition and Microstructure / Puzzolanische Bestandteile in Kalkmörteln: Zusammenhang zwischen den Eigenschaften, der Zusammensetzung und dem Mikrogefüge. *Restoration of Buildings and Monuments*, **2005**, 11, 111-118	0.7	10
60	Vernacular Earthen Buildings from Leiria, Portugal – Material Characterization. *International Journal of Architectural Heritage*, **2019**, 1-16	2.1	8
59	Effectiveness of mortars composition on the embodied carbon long-term impact. *Energy and Buildings*, **2017**, 154, 523-528	7	8
58	Consolidation and chromatic reintegration of historical renders with lime-based pozzolanic products. *Studies in Conservation*, **2015**, 60, 321-332	0.6	8
57	Effect of surface biotreatments on construction materials. *Construction and Building Materials*, **2020**, 241, 118019	6.7	8
56	Optimisation of bio-based building materials using image analysis method. *Construction and Building Materials*, **2019**, 223, 544-553	6.7	7
55	Influence of Air Lime type and Curing Conditions on Lime and Lime-Metakaolin Mortars. *Building Pathology and Rehabilitation*, **2013**, 105-126	0.2	7
54	Evaporation from Porous Building Materials and Its Cooling Potential. *Journal of Materials in Civil Engineering*, **2015**, 27, 04014222	3	7
53	Effect of mining residues treated with an electrodialytic technology on cement-based mortars. *Cleaner Engineering and Technology*, **2020**, 1, 100001	2.7	7
52	Improving Building Technologies with a Sustainable Strategy. *Procedia, Social and Behavioral Sciences*, **2016**, 216, 829-840		7
51	CO2 sequestration by construction and demolition waste aggregates and effect on mortars and concrete performance - An overview. *Renewable and Sustainable Energy Reviews*, **2021**, 152, 111668	16.2	7
50	Experimental characterization of a Madeira Island basalt traditionally applied in a regional decorative mortar. *Journal of Building Engineering*, **2017**, 13, 326-335	5.2	6
49	In situ evaluation of the behaviour of earth-based mortar renders with low additions of limes. *Conservar Patrimonio*,26, 11-21	0.4	6
48	Eco-efficient earth plasters: The effect of sand grading and additions on fresh and mechanical properties. *Journal of Building Engineering*, **2021**, 33, 101591	5.2	6
47	RILEM TC 277-LHS report: a review on the mechanisms of setting and hardening of lime-based binding systems. *Materials and Structures/Materiaux Et Constructions*, **2021**, 54, 1	3.4	5
46	A semi-destructive assessment method to estimate the residual strength of maritime pine structural elements degraded by anobiids. *Materials and Structures/Materiaux Et Constructions*, **2019**, 52, 1	3.4	4

45	Mortars with CDW Recycled Aggregates Submitted to High Levels of CO2. *Infrastructures*, **2021**, 6, 159	2.6	4
44	Cement-based mortars production applying mining residues treated with an electro-based technology and a thermal treatment: Technical and economic effects. *Construction and Building Materials*, **2021**, 280, 122483	6.7	4
43	Cement-Bonded Particleboards with Banana Pseudostem Waste: Physical Performance and Bio-Susceptibility. *Infrastructures*, **2021**, 6, 86	2.6	4
42	Effect of innovative bioproducts on air lime mortars. *Journal of Building Engineering*, **2021**, 35, 101985	5.2	4
41	Performance-based methods for masonry building rehabilitation using innovative leaching and hygrothermal risk analyses. *Sustainable Cities and Society*, **2017**, 28, 321-331	10.1	3
40	Rehabilitation of renders of old buildings in Portugal. *Structural Survey*, **2015**, 33, 337-353		3
39	Performance Assessment of Waste Fiber-Reinforced Mortar. *Materials Science Forum*, **2012**, 730-732, 617-622	0.4	3
38	Natural Hydraulic Lime Mortars: Influence of the Aggregates **2019**, 185-199		3
37	Vernacular Caramel□s Adobe Masonry Dwellings □Material Characterization. *International Journal of Architectural Heritage*,1-18	2.1	3
36	Vernacular earthen buildings from Leiria, Portugal □Architectural survey towards their conservation and retrofitting. *Journal of Building Engineering*, **2021**, 35, 102115	5.2	3
35	Experimental assessment of bio-based earth bricks durability. *IOP Conference Series: Materials Science and Engineering*, **2019**, 660, 012069	0.4	3
34	Traditional and Modern Plasters for Built Heritage: Suitability and Contribution for Passive Relative Humidity Regulation. *Heritage*, **2021**, 4, 2337-2355	1.6	3
33	Laboratory characterization of relative humidity dependent properties for plasters: A systematic review. *Construction and Building Materials*, **2021**, 304, 124595	6.7	3
32	Brita Lavada □An eco-efficient decorative mortar from Madeira Island. *Journal of Building Engineering*, **2019**, 24, 100756	5.2	2
31	Marmorite - contribution to a proper preservation of a durable wall coating. *Conservar Patrimonio* ,28, 31-38	0.4	2
30	Development of Biocolonization Resistant Mortars: Preliminary Results / Entwicklung von M□teln mit hohem Widerstand gegen biologischen Bewuchs: Vorl□fige Ergebnisse. *Restoration of Buildings and Monuments*, **2007**, 13, 389-400	0.7	2
29	Eco-efficient earth plasters: influence of clay content, sand particle size and support **2018**, 2,		2
28	Evaluation of air lime and clayish earth mortars for earthen wall renders **2013**, 407-413		2

27	Argamassas de cal e terra: características e possibilidades de aplicação. *Ambiente Construído*, **2018**, 18, 49-62	0.4	2
26	Biotreatments Using Microbial Mixed Cultures with Crude Glycerol and Waste Pinewood as Carbon Sources: Influence of Application on the Durability of Recycled Concrete.. *Materials*, **2022**, 15,	3.5	1
25	Environmental Potential of Earth-Based Building Materials: Key Facts and Issues from a Life Cycle Assessment Perspective. *RILEM State-of-the-Art Reports*, **2022**, 261-296	1.3	1
24	Use of Mixed Microbial Cultures to Protect Recycled Concrete Surfaces: A Preliminary Study. *Materials*, **2021**, 14,	3.5	1
23	Assessment of the Density Loss in Anobiid Infested Pine Using X-ray Micro-Computed Tomography. *Buildings*, **2021**, 11, 173	3.2	1
22	Use of Bioproducts Derived from Mixed Microbial Cultures Grown with Crude Glycerol to Protect Recycled Concrete Surfaces. *Materials*, **2021**, 14,	3.5	1
21	Life Cycle Assessment of Mortars Produced Partially Replacing Cement by Treated Mining Residues. *Applied Sciences (Switzerland)*, **2021**, 11, 7947	2.6	1
20	Sustainable cement mortar bioformulated with a bioproduct obtained from fermentation of biodiesel crude glycerol. *Journal of Cleaner Production*, **2021**, 313, 127885	10.3	1
19	Effect of Type of Curing and Metakaolin Replacement on Air Lime Mortars for the Durability of Masonries. *Infrastructures*, **2021**, 6, 143	2.6	0
18	The Compatibility of Earth-Based Repair Mortars with Rammed Earth Substrates **2019**, 305-318		0
17	Effect of innovative bioproducts on the performance of bioformulated earthen plasters. *Construction and Building Materials*, **2021**, 277, 122261	6.7	0
16	Earth, Gypsum and Cement-Based Plasters Contribution to Indoor Comfort and Health. *RILEM Bookseries*, **2021**, 105-117	0.5	0
15	Bio-Wastes as Aggregates for Eco-Efficient Boards and Panels: Screening Tests of Physical Properties and Bio-Susceptibility. *Infrastructures*, **2022**, 7, 26	2.6	0
14	A sustainable production of natural hydraulic lime mortars through bio-amendment. *Construction and Building Materials*, **2022**, 340, 127812	6.7	0
13	Indoor Air Quality Regulation Through the Usage of Eco-Efficient Plasters. *Springer Transactions in Civil and Environmental Engineering*, **2019**, 383-394	0.4	
12	Utilização de colas naturais para placas de derivados de madeira uma síntese. *Ciência & Tecnologia Dos Materiais*, **2015**, 27, 143-151		
11	Assessment of natural aging and ecological surface treatments in earth renders. *Conservar Patrimonio*, **2020**, 35, 31-44	0.4	
10	Hygrothermal and Acoustic Assessment of Earthen Materials. *RILEM State-of-the-Art Reports*, **2022**, 83-126	1.3	

9	Durability of Earth Materials: Weathering Agents, Testing Procedures and Stabilisation Methods. *RILEM State-of-the-Art Reports*, **2022**, 211-241	1.3
8	Characterization of Earth Used in Earth Construction Materials. *RILEM State-of-the-Art Reports*, **2022**, 17-81	1.3
7	Evaluation of Salt Resistant Mortars / Untersuchung der Widerstandsfähigkeit von Mörteln gegen die Einwirkung von Salzen. *Restoration of Buildings and Monuments*, **2005**, 11, 105-110	0.7
6	Viability of Ceramic Residues in Lime-Based Mortars **2019**, 213-225	
5	The Benefits of Eco-efficient Plasters for Occupants' Health: A Case Study **2022**, 383-404	
4	Biotreatment of ceramic bricks: The impact of the application method of an innovative bioproduct on biomineralization. *Construction and Building Materials*, **2021**, 300, 124050	6.7
3	Fernandina Wall of Lisbon: Mineralogical and Chemical Characterization of Rammed Earth and Masonry Mortars. *Minerals (Basel, Switzerland)*, **2022**, 12, 241	2.4
2	Gypsum Mortars with Acacia dealbata Biomass Waste Additions: Effect of Different Fractions and Contents. *Buildings*, **2022**, 12, 339	3.2
1	A Discussion on Winter Indoor Hygrothermal Conditions and Hygroscopic Behaviour of Plasters in Southern Europe. *Infrastructures*, **2022**, 7, 38	2.6