

# Paulina Faria

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

2,185  
citations

201674

27  
h-index

254184

43  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1382  
citing authors

#	ARTICLE	IF	CITATIONS
1	New natural hydraulic lime mortars – Physical and microstructural properties in different curing conditions. <i>Construction and Building Materials</i> , 2014, 54, 378-384.	7.2	110
2	Mechanical and mineralogical properties of natural hydraulic lime-metakaolin mortars in different curing conditions. <i>Construction and Building Materials</i> , 2014, 51, 287-294.	7.2	105
3	Physical and chemical assessment of lime-metakaolin mortars: Influence of binder:aggregate ratio. <i>Cement and Concrete Composites</i> , 2014, 45, 264-271.	10.7	99
4	Comparative evaluation of lime mortars for architectural conservation. <i>Journal of Cultural Heritage</i> , 2008, 9, 338-346.	3.3	95
5	Lime mortars with heat treated clays and ceramic waste: A review. <i>Construction and Building Materials</i> , 2014, 73, 125-136.	7.2	89
6	Earth-based mortars for repair and protection of rammed earth walls. Stabilization with mineral binders and fibers. <i>Journal of Cleaner Production</i> , 2018, 172, 2401-2414.	9.3	75
7	Production of eco-efficient earth-based plasters: Influence of composition on physical performance and bio-susceptibility. <i>Journal of Cleaner Production</i> , 2017, 167, 55-67.	9.3	73
8	Development of sustainable alkali-activated bricks using industrial wastes. <i>Construction and Building Materials</i> , 2019, 215, 180-191.	7.2	72
9	External treatments for the preventive repair of existing constructions: A review. <i>Construction and Building Materials</i> , 2018, 193, 435-452.	7.2	68
10	Cement-cork mortars for thermal bridges correction. Comparison with cement-EPS mortars performance. <i>Construction and Building Materials</i> , 2013, 49, 315-327.	7.2	67
11	Experimental Characterization of an Earth Eco-Efficient Plastering Mortar. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	62
12	Lime mortars with ceramic wastes: Characterization of components and their influence on the mechanical behaviour. <i>Construction and Building Materials</i> , 2014, 73, 523-534.	7.2	56
13	Agro-industrial wastes as building insulation materials: A review and challenges for Euro-Mediterranean countries. <i>Industrial Crops and Products</i> , 2021, 171, 113833.	5.2	55
14	Hydric Behavior of Earth Materials and the Effects of Their Stabilization with Cement or Lime: Study on Repair Mortars for Historical Rammed Earth Structures. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	54
15	Rice husk-earth based composites: A novel bio-based panel for buildings refurbishment. <i>Construction and Building Materials</i> , 2019, 221, 99-108.	7.2	48
16	New composite of natural hydraulic lime mortar with graphene oxide. <i>Construction and Building Materials</i> , 2017, 156, 1150-1157.	7.2	46
17	Performance parameters of ETICS: Correlating water resistance, bio-susceptibility and surface properties. <i>Construction and Building Materials</i> , 2021, 272, 121956.	7.2	46
18	Unstabilized Rammed Earth: Characterization of Material Collected from Old Constructions in South Portugal and Comparison to Normative Requirements. <i>International Journal of Architectural Heritage</i> , 2014, 8, 185-212.	3.1	42

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19	Life cycle assessment of mortars: A review on technical potential and drawbacks. <i>Construction and Building Materials</i> , 2021, 288, 123069.	7.2	42
20	Anomalies detection in adhesive wall tiling systems by infrared thermography. <i>Construction and Building Materials</i> , 2017, 148, 419-428.	7.2	40
21	Comparison of mineralogical, mechanical and hygroscopic characteristic of earthen, gypsum and cement-based plasters. <i>Construction and Building Materials</i> , 2020, 254, 119222.	7.2	40
22	Electrodialytic removal of tungsten and arsenic from secondary mine resources – Deep eutectic solvents enhancement. <i>Science of the Total Environment</i> , 2020, 710, 136364.	8.0	38
23	RILEM TC 277-LHS report: a review on the mechanisms of setting and hardening of lime-based binding systems. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	36
24	Earthen Plasters Based on Illitic Soils from Barrocal Region of Algarve: Contributions for Building Performance and Sustainability. <i>Key Engineering Materials</i> , 0, 678, 64-77.	0.4	31
25	Can an earth plaster be efficient when applied on different masonries?. <i>Journal of Building Engineering</i> , 2019, 23, 314-323.	3.4	31
26	Rammed earth walls repair by earth-based mortars: The adequacy to assess effectiveness. <i>Construction and Building Materials</i> , 2019, 205, 213-231.	7.2	31
27	Earth Plasters: The Influence of Clay Mineralogy in the Plasters™ Properties. <i>International Journal of Architectural Heritage</i> , 2020, 14, 948-963.	3.1	30
28	CO2 sequestration by construction and demolition waste aggregates and effect on mortars and concrete performance - An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111668.	16.4	28
29	Current Mortars in Conservation: An Overview / Heute beim Konservieren verwendete Mrtel: Eine bersicht. <i>Restoration of Buildings and Monuments</i> , 2004, 10, 609-622.	0.6	26
30	Eco-Efficient Earthen Plasters: The Influence of the Addition of Natural Fibers. <i>RILEM Bookseries</i> , 2016, , 315-327.	0.4	26
31	Efficacy of iron-based bioproducts as surface biotreatment for earth-based plastering mortars. <i>Journal of Cleaner Production</i> , 2019, 237, 117803.	9.3	23
32	Coatings applied on damp building substrates: performance and influence on moisture transport. <i>Journal of Coatings Technology Research</i> , 2011, 8, 513-525.	2.5	22
33	Procedure to determine the impact of the surface film resistance on the hygric properties of composite clay/fibre plasters. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	22
34	Mineralogical and microstructural characterisation of rammed earth and earthen mortars from 12th century Paderne Castle. <i>Journal of Cultural Heritage</i> , 2020, 42, 226-239.	3.3	22
35	Evaluation of Pozzolanic Reactivity of Artificial Pozzolans. <i>Materials Science Forum</i> , 2012, 730-732, 433-438.	0.3	21
36	Overview of mining residues incorporation in construction materials and barriers for full-scale application. <i>Journal of Building Engineering</i> , 2020, 29, 101215.	3.4	21

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37	Characterisation of old azulejos setting mortars: A contribution to the conservation of this type of coatings. <i>Construction and Building Materials</i> , 2018, 171, 128-139.	7.2	19
38	Natural hydraulic lime mortars - The effect of ceramic residues on physical and mechanical behaviour. <i>Journal of Building Engineering</i> , 2020, 32, 101747.	3.4	19
39	Traditional and Modern Plasters for Built Heritage: Suitability and Contribution for Passive Relative Humidity Regulation. <i>Heritage</i> , 2021, 4, 2337-2355.	1.9	16
40	Effect of temperature on the sorption curves of earthen materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	14
41	Vernacular Earthen Buildings from Leiria, Portugal – Material Characterization. <i>International Journal of Architectural Heritage</i> , 2021, 15, 1285-1300.	3.1	14
42	Effectiveness of mortars composition on the embodied carbon long-term impact. <i>Energy and Buildings</i> , 2017, 154, 523-528.	6.7	12
43	Optimisation of bio-based building materials using image analysis method. <i>Construction and Building Materials</i> , 2019, 223, 544-553.	7.2	12
44	Pozzolanic Components in Lime Mortars: Correlating Behaviour, Composition and Microstructure / Puzzolanische Bestandteile in Kalkmörteln: Zusammenhang zwischen den Eigenschaften, der Zusammensetzung und dem Mikrogefüge. <i>Restoration of Buildings and Monuments</i> , 2005, 11, 111-118.	0.6	11
45	Evaporation from Porous Building Materials and Its Cooling Potential. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	2.9	11
46	Eco-efficient earth plasters: The effect of sand grading and additions on fresh and mechanical properties. <i>Journal of Building Engineering</i> , 2021, 33, 101591.	3.4	11
47	Effect of surface biotreatments on construction materials. <i>Construction and Building Materials</i> , 2020, 241, 118019.	7.2	11
48	Improving Building Technologies with a Sustainable Strategy. <i>Procedia, Social and Behavioral Sciences</i> , 2016, 216, 829-840.	0.5	10
49	Experimental characterization of a Madeira Island basalt traditionally applied in a regional decorative mortar. <i>Journal of Building Engineering</i> , 2017, 13, 326-335.	3.4	10
50	Effect of innovative bioproducts on air lime mortars. <i>Journal of Building Engineering</i> , 2021, 35, 101985.	3.4	10
51	Cement-Bonded Particleboards with Banana Pseudostem Waste: Physical Performance and Bio-Susceptibility. <i>Infrastructures</i> , 2021, 6, 86.	2.8	10
52	Laboratory characterization of relative humidity dependent properties for plasters: A systematic review. <i>Construction and Building Materials</i> , 2021, 304, 124595.	7.2	10
53	Vernacular Caramel's Adobe Masonry Dwellings – Material Characterization. <i>International Journal of Architectural Heritage</i> , 2022, 16, 67-84.	3.1	10
54	Influence of Air Lime type and Curing Conditions on Lime and Lime-Metakaolin Mortars. <i>Building Pathology and Rehabilitation</i> , 2013, , 105-126.	0.2	9

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55	A semi-destructive assessment method to estimate the residual strength of maritime pine structural elements degraded by anobiids. <i>Materials and Structures/Materiaux Et Constructions</i> , 2019, 52, 1.	3.1	9
56	Vernacular earthen buildings from Leiria, Portugal – Architectural survey towards their conservation and retrofitting. <i>Journal of Building Engineering</i> , 2021, 35, 102115.	3.4	9
57	Bio-Wastes as Aggregates for Eco-Efficient Boards and Panels: Screening Tests of Physical Properties and Bio-Susceptibility. <i>Infrastructures</i> , 2022, 7, 26.	2.8	9
58	Consolidation and chromatic reintegration of historical renders with lime-based pozzolanic products. <i>Studies in Conservation</i> , 2015, 60, 321-332.	1.1	8
59	In situ evaluation of the behaviour of earth-based mortar renders with low additions of limes. <i>Conservar Património</i> , 0, 26, 11-21.	0.4	8
60	Environmental Potential of Earth-Based Building Materials: Key Facts and Issues from a Life Cycle Assessment Perspective. <i>RILEM State-of-the-Art Reports</i> , 2022, , 261-296.	0.7	8
61	A sustainable production of natural hydraulic lime mortars through bio-amendment. <i>Construction and Building Materials</i> , 2022, 340, 127812.	7.2	8
62	Effect of mining residues treated with an electro-dialytic technology on cement-based mortars. <i>Cleaner Engineering and Technology</i> , 2020, 1, 100001.	4.0	7
63	Experimental assessment of bio-based earth bricks durability. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 660, 012069.	0.6	6
64	Assessment of the Density Loss in Anobiid Infested Pine Using X-ray Micro-Computed Tomography. <i>Buildings</i> , 2021, 11, 173.	3.1	6
65	Cement-based mortars production applying mining residues treated with an electro-based technology and a thermal treatment: Technical and economic effects. <i>Construction and Building Materials</i> , 2021, 280, 122483.	7.2	6
66	Gypsum Mortars with Acacia dealbata Biomass Waste Additions: Effect of Different Fractions and Contents. <i>Buildings</i> , 2022, 12, 339.	3.1	6
67	A Discussion on Winter Indoor Hygrothermal Conditions and Hygroscopic Behaviour of Plasters in Southern Europe. <i>Infrastructures</i> , 2022, 7, 38.	2.8	6
68	Rehabilitation of renders of old buildings in Portugal. <i>Structural Survey</i> , 2015, 33, 337-353.	1.0	5
69	Effect of Type of Curing and Metakaolin Replacement on Air Lime Mortars for the Durability of Masonries. <i>Infrastructures</i> , 2021, 6, 143.	2.8	5
70	Mortars with CDW Recycled Aggregates Submitted to High Levels of CO <sub>2</sub> . <i>Infrastructures</i> , 2021, 6, 159.	2.8	5
71	Argamassas de cal e terra: características e possibilidades de aplicação. <i>Ambiente Construído</i> , 2018, 18, 49-62.	0.4	4
72	Eco-efficient earth plasters: influence of clay content, sand particle size and support. <i>Journal of World Architecture</i> , 2018, 2, .	0.1	4

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73	Fernandina Wall of Lisbon: Mineralogical and Chemical Characterization of Rammed Earth and Masonry Mortars. <i>Minerals</i> (Basel, Switzerland), 2022, 12, 241.	2.0	4
74	Performance Assessment of Waste Fiber-Reinforced Mortar. <i>Materials Science Forum</i> , 2012, 730-732, 617-622.	0.3	3
75	Performance-based methods for masonry building rehabilitation using innovative leaching and hygrothermal risk analyses. <i>Sustainable Cities and Society</i> , 2017, 28, 321-331.	10.4	3
76	Brita Lavada – An eco-efficient decorative mortar from Madeira Island. <i>Journal of Building Engineering</i> , 2019, 24, 100756.	3.4	3
77	Earth, Gypsum and Cement-Based Plasters Contribution to Indoor Comfort and Health. <i>RILEM Bookseries</i> , 2021, , 105-117.	0.4	3
78	Sustainable cement mortar bioformulated with a bioproduct obtained from fermentation of biodiesel™ crude glycerol. <i>Journal of Cleaner Production</i> , 2021, 313, 127885.	9.3	3
79	Marmorite - contribution to a proper preservation of a durable wall coating. <i>Conservar Património</i> , 0, 28, 31-38.	0.4	3
80	Development of Biocolonization Resistant Mortars: Preliminary Results / Entwicklung von Mörteln mit hohem Widerstand gegen biologischen Bewuchs: Vorläufige Ergebnisse. <i>Restoration of Buildings and Monuments</i> , 2007, 13, 389-400.	0.6	3
81	Biotreatments Using Microbial Mixed Cultures with Crude Glycerol and Waste Pinewood as Carbon Sources: Influence of Application on the Durability of Recycled Concrete. <i>Materials</i> , 2022, 15, 1181.	2.9	3
82	Life Cycle Assessment of Mortars Produced Partially Replacing Cement by Treated Mining Residues. <i>Applied Sciences</i> (Switzerland), 2021, 11, 7947.	2.5	2
83	The Compatibility of Earth-Based Repair Mortars with Rammed Earth Substrates. , 2019, , 305-318.		2
84	Durability of Earth Materials: Weathering Agents, Testing Procedures and Stabilisation Methods. <i>RILEM State-of-the-Art Reports</i> , 2022, , 211-241.	0.7	2
85	Characterization of Earth Used in Earth Construction Materials. <i>RILEM State-of-the-Art Reports</i> , 2022, , 17-81.	0.7	2
86	Effect of innovative bioproducts on the performance of bioformulated earthen plasters. <i>Construction and Building Materials</i> , 2021, 277, 122261.	7.2	1
87	Use of Bioproducts Derived from Mixed Microbial Cultures Grown with Crude Glycerol to Protect Recycled Concrete Surfaces. <i>Materials</i> , 2021, 14, 2057.	2.9	1
88	The Benefits of Eco-efficient Plasters for Occupant's Health – A Case Study. , 2022, , 383-404.		1
89	Applying Chemometrics to Evaluate Tungsten Mining Residues Potential As Partial Cement Replacement. <i>KnE Engineering</i> , 0, , .	0.1	1
90	Use of Mixed Microbial Cultures to Protect Recycled Concrete Surfaces: A Preliminary Study. <i>Materials</i> , 2021, 14, 6545.	2.9	1

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91	Earth mortars stabilization: A review. <i>Conservar Patrimônio</i> , 0, , .	0.4	1
92	Hygrothermal and Acoustic Assessment of Earthen Materials. <i>RILEM State-of-the-Art Reports</i> , 2022, , 83-126.	0.7	1
93	Utilizaçãõ de colas naturais para placas de derivados de madeira – uma sãntese. <i>Ciãncia &amp; Tecnologia Dos Materiais</i> , 2015, 27, 143-151.	0.5	0
94	Indoor Air Quality Regulation Through the Usage of Eco-Efficient Plasters. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2019, , 383-394.	0.4	0
95	Biotreatment of ceramic bricks: The impact of the application method of an innovative bioproduct on biomineralization. <i>Construction and Building Materials</i> , 2021, 300, 124050.	7.2	0
96	Evaluation of Salt Resistant Mortars / Untersuchung der Widerstandsfãhigkeit von Mãrteln gegen die Einwirkung von Salzen. <i>Restoration of Buildings and Monuments</i> , 2005, 11, 105-110.	0.6	0
97	Earth mortars use on neolithic domestic structures. Some case studies in Alentejo, Portugal. <i>Conservar Patrimônio</i> , 0, 8, 5-12.	0.4	0
98	Avaliaçãõ do envelhecimento natural e de tratamentos superficiais ecolãgicos em rebocos de terra. <i>Conservar Patrimônio</i> , 0, 35, 31-44.	0.4	0
99	Assessment of natural aging and ecological surface treatments in earth renders. <i>Conservar Patrimônio</i> , 2020, 35, 31-44.	0.4	0
100	Hygrothermal Behaviour of Air Lime Coatings with Mussel Shell Sand. , 0, , .		0