AntÃ³nio Santos Silva

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12006585/publications.pdf

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41	796	471509	552781
papers	citations	17 h-index	26 g-index

41	41	41	602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of the microstructure of lime based mortars and influence on the mechanical behaviour: The role of the aggregates. Construction and Building Materials, 2018, 187, 907-922.	7.2	90
2	Understanding the transport of nanolime consolidants within Maastricht limestone. Journal of Cultural Heritage, 2016, 18, 242-249.	3.3	62
3	Evaluation of the effectiveness and compatibility of nanolime consolidants with improved properties. Construction and Building Materials, 2017, 142, 385-394.	7.2	62
4	Traditional methods of mortar preparation: The hot lime mix method. Cement and Concrete Composites, 2011, 33, 796-804.	10.7	49
5	Comparison of mineralogical, mechanical and hygroscopic characteristic of earthen, gypsum and cement-based plasters. Construction and Building Materials, 2020, 254, 119222.	7.2	40
6	Microstructural Changes of Lime Putty during Aging. Journal of Materials in Civil Engineering, 2013, 25, 1524-1532.	2.9	31
7	Earthen Plasters Based on Illitic Soils from Barrocal Region of Algarve: Contributions for Building Performance and Sustainability. Key Engineering Materials, 0, 678, 64-77.	0.4	31
8	Earth Plasters: The Influence of Clay Mineralogy in the Plastersâ€™ Properties. International Journal of Architectural Heritage, 2020, 14, 948-963.	3.1	30
9	Microstructural Characterization of Consolidant Products for Historical Renders: An Innovative Nanostructured Lime Dispersion and a More Traditional Ethyl Silicate Limewater Solution. Microscopy and Microanalysis, 2012, 18, 1181-1189.	0.4	28
10	Characterization of Historical Mortars from Alentejo's Religious Buildings. International Journal of Architectural Heritage, 2010, 4, 138-154.	3.1	25
11	Optimization of nanolime solvent for the consolidation of coarse porous limestone. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	25
12	Assessment of the potential reactivity of granitic rocks â€” Petrography and expansion tests. Cement and Concrete Research, 2016, 86, 63-77.	11.0	24
13	Studies in ancient gypsum based plasters towards their repair: Physical and mechanical properties. Construction and Building Materials, 2019, 202, 319-331.	7.2	24
14	Studies in ancient gypsum based plasters towards their repair: Mineralogy and microstructure. Construction and Building Materials, 2019, 196, 512-529.	7.2	24
15	Microstructure as a critical factor of cement mortars' behaviour: The effect of aggregates' properties. Cement and Concrete Composites, 2020, 111, 103628.	10.7	24
16	Mineralogical and microstructural characterisation of rammed earth and earthen mortars from 12th century Paderne Castle. Journal of Cultural Heritage, 2020, 42, 226-239.	3.3	22
17	Characterisation of old azulejos setting mortars: A contribution to the conservation of this type of coatings. Construction and Building Materials, 2018, 171, 128-139.	7.2	19
18	Restoration of ancient gypsum-based plasters: Design of compatible materials. Cement and Concrete Composites, 2021, 120, 104014.	10.7	19

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19	Inorganic Nanomaterials for Restoration of Cultural Heritage: Synthesis Approaches towards Nanoconsolidants for Stone and Wall Paintings. ChemSusChem, 2018, 11, 4168-4182.	6.8	17
20	Characterisation of Roman Mortars from the Archaeological Site of TrÃ³ia (Portugal). Materials Science Forum, 2006, 514-516, 1643-1647.	0.3	15
21	Study of mechanical properties of alkaline earth hydroxide nanoconsolidants for lime mortars. Construction and Building Materials, 2020, 236, 117520.	7.2	14
22	Durability and Compatibility of Lime-Based Mortars: The Effect of Aggregates. Infrastructures, 2018, 3, 34.	2.8	12
23	Eco-efficient earth plasters: The effect of sand grading and additions on fresh and mechanical properties. Journal of Building Engineering, 2021, 33, 101591.	3.4	11
24	Characterization of Portuguese Historical Gypsum Mortars: A Comparison between Two Case Studies. Materials Science Forum, 0, 636-637, 1258-1265.	0.3	10
25	Natural or Artificial? Multi-Analytical Study of a Scagliola from Estoi Palace Simulating Imperial Red Porphyry. Microscopy and Microanalysis, 2016, 22, 1281-1303.	0.4	9
26	Consolidation and chromatic reintegration of historical renders with lime-based pozzolanic products. Studies in Conservation, 2015, 60, 321-332.	1.1	8
27	Application Protocol for the Consolidation of Calcareous Substrates by the Use of Nanolimes: From Laboratory Research to Practice. Restoration of Buildings and Monuments, 2018, 22, 99-109.	0.6	8
28	In situ evaluation of the behaviour of earth-based mortar renders with low additions of limes. Conservar Patrimonio, 0, 26, 11-21.	0.4	8
29	Studies of the Performance of Nanostructured and other Compatible Consolidation Products for Historical Renders. Materials Science Forum, 0, 730-732, 942-947.	0.3	7
30	Effect of mining residues treated with an electrodialytic technology on cement-based mortars. Cleaner Engineering and Technology, 2020, 1, 100001.	4.0	7
31	Stucco Marble in the Portuguese Architecture: Multi-analytical Characterisation. International Journal of Architectural Heritage, 2020, 14, 977-993.	3.1	6
32	20th-Century Award-Winning Buildings in Lisbon (Portugal). Study of Plasters, Rendering, and Concrete Materials Aiming Their Sustainable Preservation. Buildings, 2021, 11, 359.	3.1	6
33	Assessment of the Alteration of Granitic Rocks and its Influence on Alkalis Release. IOP Conference Series: Earth and Environmental Science, 2017, 95, 022001.	0.3	5
34	Compatible Air Lime Mortars for Historical Tiled Facades: Bond and Mechanical Strength versus Tileâ€“Mortar Interface Microstructure. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	5
35	Mortars with CDW Recycled Aggregates Submitted to High Levels of CO2. Infrastructures, 2021, 6, 159.	2.8	5
36	Fernandina Wall of Lisbon: Mineralogical and Chemical Characterization of Rammed Earth and Masonry Mortars. Minerals (Basel, Switzerland), 2022, 12, 241.	2.0	4

#	Article	IF	Citations
37	Mortars. , 2019, , 169-208.		3
38	Preliminary studies of consolidation of wall paintings: synthesis and characterisation of nanolime. Conservar Patrimonio, 0, 23, 103-107.	0.4	3
39	Mitigation of Internal Expansive Reaction: The Role of Tungsten Mine Sludge. Materials Science Forum, 2012, 730-732, 468-473.	0.3	2
40	Life Cycle Assessment of Mortars Produced Partially Replacing Cement by Treated Mining Residues. Applied Sciences (Switzerland), 2021, 11, 7947.	2.5	2
41	Physical and Mechanical Properties of Reinforced Concrete from 20th-Century Architecture Award-Winning Buildings in Lisbon (Portugal): A Contribution to the Knowledge of Their Evolution and Durability. Construction Materials, 2022, 2, 127-147.	0.9	0