

Antônio Santos Silva

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

796
citations

471509

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552781

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602
citing authors

#	ARTICLE	IF	CITATIONS
1	Fernandina Wall of Lisbon: Mineralogical and Chemical Characterization of Rammed Earth and Masonry Mortars. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 241.	2.0	4
2	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. <i>Construction Materials</i> , 2022, 2, 127-147.	0.9	0
3	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
4	Restoration of ancient gypsum-based plasters: Design of compatible materials. <i>Cement and Concrete Composites</i> , 2021, 120, 104014.	10.7	19
5	20th-Century Award-Winning Buildings in Lisbon (Portugal). Study of Plasters, Rendering, and Concrete Materials Aiming Their Sustainable Preservation. <i>Buildings</i> , 2021, 11, 359.	3.1	6
6	Life Cycle Assessment of Mortars Produced Partially Replacing Cement by Treated Mining Residues. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7947.	2.5	2
7	Mortars with CDW Recycled Aggregates Submitted to High Levels of CO ₂ . <i>Infrastructures</i> , 2021, 6, 159.	2.8	5
8	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
9	Study of mechanical properties of alkaline earth hydroxide nanoconsolidants for lime mortars. <i>Construction and Building Materials</i> , 2020, 236, 117520.	7.2	14
10	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
11	Stucco Marble in the Portuguese Architecture: Multi-analytical Characterisation. <i>International Journal of Architectural Heritage</i> , 2020, 14, 977-993.	3.1	6
12	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
13	Compatible Air Lime Mortars for Historical Tiled Facades: Bond and Mechanical Strength versus Tile-Mortar Interface Microstructure. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	5
14	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
15	Microstructure as a critical factor of cement mortars' behaviour: The effect of aggregates' properties. <i>Cement and Concrete Composites</i> , 2020, 111, 103628.	10.7	24
16	Studies in ancient gypsum based plasters towards their repair: Physical and mechanical properties. <i>Construction and Building Materials</i> , 2019, 202, 319-331.	7.2	24
17	Studies in ancient gypsum based plasters towards their repair: Mineralogy and microstructure. <i>Construction and Building Materials</i> , 2019, 196, 512-529.	7.2	24
18	Mortars. , 2019, , 169-208.		3

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19	Application Protocol for the Consolidation of Calcareous Substrates by the Use of Nanolimes: From Laboratory Research to Practice. <i>Restoration of Buildings and Monuments</i> , 2018, 22, 99-109.	0.6	8
20	Inorganic Nanomaterials for Restoration of Cultural Heritage: Synthesis Approaches towards Nanoconsolidants for Stone and Wall Paintings. <i>ChemSusChem</i> , 2018, 11, 4168-4182.	6.8	17
21	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
22	Evolution of the microstructure of lime based mortars and influence on the mechanical behaviour: The role of the aggregates. <i>Construction and Building Materials</i> , 2018, 187, 907-922.	7.2	90
23	Durability and Compatibility of Lime-Based Mortars: The Effect of Aggregates. <i>Infrastructures</i> , 2018, 3, 34.	2.8	12
24	Evaluation of the effectiveness and compatibility of nanolime consolidants with improved properties. <i>Construction and Building Materials</i> , 2017, 142, 385-394.	7.2	62
25	Assessment of the Alteration of Granitic Rocks and its Influence on Alkalis Release. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 95, 022001.	0.3	5
26	Natural or Artificial? Multi-Analytical Study of a Scagliola from Estoi Palace Simulating Imperial Red Porphyry. <i>Microscopy and Microanalysis</i> , 2016, 22, 1281-1303.	0.4	9
27	Understanding the transport of nanolime consolidants within Maastricht limestone. <i>Journal of Cultural Heritage</i> , 2016, 18, 242-249.	3.3	62
28	Optimization of nanolime solvent for the consolidation of coarse porous limestone. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	25
29	Assessment of the potential reactivity of granitic rocks – Petrography and expansion tests. <i>Cement and Concrete Research</i> , 2016, 86, 63-77.	11.0	24
30	Consolidation and chromatic reintegration of historical renders with lime-based pozzolanic products. <i>Studies in Conservation</i> , 2015, 60, 321-332.	1.1	8
31	Microstructural Changes of Lime Putty during Aging. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 1524-1532.	2.9	31
32	Mitigation of Internal Expansive Reaction: The Role of Tungsten Mine Sludge. <i>Materials Science Forum</i> , 2012, 730-732, 468-473.	0.3	2
33	Microstructural Characterization of Consolidant Products for Historical Renders: An Innovative Nanostructured Lime Dispersion and a More Traditional Ethyl Silicate Limewater Solution. <i>Microscopy and Microanalysis</i> , 2012, 18, 1181-1189.	0.4	28
34	Traditional methods of mortar preparation: The hot lime mix method. <i>Cement and Concrete Composites</i> , 2011, 33, 796-804.	10.7	49
35	Characterization of Historical Mortars from Alentejo's Religious Buildings. <i>International Journal of Architectural Heritage</i> , 2010, 4, 138-154.	3.1	25
36	Characterisation of Roman Mortars from the Archaeological Site of Trãia (Portugal). <i>Materials Science Forum</i> , 2006, 514-516, 1643-1647.	0.3	15

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37	Characterization of Portuguese Historical Gypsum Mortars: A Comparison between Two Case Studies. <i>Materials Science Forum</i> , 0, 636-637, 1258-1265.	0.3	10
38	Studies of the Performance of Nanostructured and other Compatible Consolidation Products for Historical Renders. <i>Materials Science Forum</i> , 0, 730-732, 942-947.	0.3	7
39	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
40	Preliminary studies of consolidation of wall paintings: synthesis and characterisation of nanolime. <i>Conservar Património</i> , 0, 23, 103-107.	0.4	3
41	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