

Josã© Luã-s Barroso de Aguiar

List of Publications by Year in descending order

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74
papers

2,624
citations

201385

27
h-index

189595

50
g-index

76
all docs

76
docs citations

76
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase change materials and energy efficiency of buildings: A review of knowledge. <i>Journal of Energy Storage</i> , 2020, 27, 101083.	3.9	203
2	Mix design, properties and cost analysis of fly ash-based geopolymer foam. <i>Construction and Building Materials</i> , 2015, 80, 18-30.	3.2	196
3	Incorporation of titanium dioxide nanoparticles in mortars " Influence of microstructure in the hardened state properties and photocatalytic activity. <i>Cement and Concrete Research</i> , 2013, 43, 112-120.	4.6	168
4	Properties and durability of HPC with tyre rubber wastes. <i>Construction and Building Materials</i> , 2012, 34, 186-191.	3.2	159
5	Thermal enhancement of plastering mortars with Phase Change Materials: Experimental and numerical approach. <i>Energy and Buildings</i> , 2012, 49, 16-27.	3.1	129
6	Experimental and numerical studies of hybrid PCM embedded in plastering mortar for enhanced thermal behaviour of buildings. <i>Energy</i> , 2016, 94, 250-261.	4.5	121
7	Influence of adding phase change materials on the physical and mechanical properties of cement mortars. <i>Construction and Building Materials</i> , 2016, 127, 1-10.	3.2	103
8	Red mud-based geopolymers with tailored alkali diffusion properties and pH buffering ability. <i>Journal of Cleaner Production</i> , 2017, 148, 23-30.	4.6	101
9	Concrete retrofitting using metakaolin geopolymer mortars and CFRP. <i>Construction and Building Materials</i> , 2011, 25, 3213-3221.	3.2	95
10	Assessing the feasibility of impregnating phase change materials in lightweight aggregate for development of thermal energy storage systems. <i>Construction and Building Materials</i> , 2015, 89, 48-59.	3.2	92
11	Recycling of biomass and coal fly ash as cement replacement material and its effect on hydration and carbonation of concrete. <i>Waste Management</i> , 2019, 94, 39-48.	3.7	83
12	Thermal behavior of cement based plastering mortar containing hybrid microencapsulated phase change materials. <i>Energy and Buildings</i> , 2014, 84, 526-536.	3.1	80
13	Mortars based in different binders with incorporation of phase-change materials: Physical and mechanical properties. <i>European Journal of Environmental and Civil Engineering</i> , 2015, 19, 1216-1233.	1.0	63
14	Effect of temperature on mortars with incorporation of phase change materials. <i>Construction and Building Materials</i> , 2015, 98, 89-101.	3.2	60
15	Carbonation of surface protected concrete. <i>Construction and Building Materials</i> , 2013, 49, 478-483.	3.2	58
16	Thermal performance and cost analysis of mortars made with PCM and different binders. <i>Construction and Building Materials</i> , 2016, 122, 637-648.	3.2	57
17	Optimal behavior of responsive residential demand considering hybrid phase change materials. <i>Applied Energy</i> , 2016, 163, 81-92.	5.1	52
18	Latent heat storage in PCM containing mortars"Study of microstructural modifications. <i>Energy and Buildings</i> , 2013, 66, 724-731.	3.1	51

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19	Mechanical behaviour of Portland cement mortars with incorporation of Al-containing salt slags. <i>Cement and Concrete Research</i> , 2000, 30, 1131-1138.	4.6	50
20	Cost-efficient one-part alkali-activated mortars with low global warming potential for floor heating systems applications. <i>European Journal of Environmental and Civil Engineering</i> , 2017, 21, 412-429.	1.0	46
21	Fibres for enhancing of the bond capacity between GFRP rebar and concrete. <i>Construction and Building Materials</i> , 2014, 51, 303-312.	3.2	45
22	Self-monitoring of freeze-thaw damage using triphasic electric conductive concrete. <i>Construction and Building Materials</i> , 2015, 101, 440-446.	3.2	39
23	Coatings for Concrete Protection against Aggressive Environments. <i>Journal of Advanced Concrete Technology</i> , 2008, 6, 243-250.	0.8	38
24	Apatite formation on calcined kaolin-white Portland cement geopolymer. <i>Materials Science and Engineering C</i> , 2015, 51, 1-6.	3.8	37
25	Concrete with triphasic conductive materials for self-monitoring of cracking development subjected to flexure. <i>Composite Structures</i> , 2016, 138, 184-191.	3.1	35
26	Influence of the Type of Phase Change Materials Microcapsules on the Properties of Lime-based Thermal Mortars. <i>Advanced Engineering Materials</i> , 2014, 16, 433-441.	1.6	31
27	Compressive strength, microstructure and hydration products of hybrid alkaline cements. <i>Materials Research</i> , 2014, 17, 829-837.	0.6	30
28	Spent equilibrium catalyst as internal curing agent in UHPFRC. <i>Cement and Concrete Composites</i> , 2019, 104, 103362.	4.6	29
29	Influence of Adding Encapsulated Phase Change Materials in Aerial Lime Based Mortars. <i>Advanced Materials Research</i> , 0, 687, 255-261.	0.3	28
30	Thermography as a technique for monitoring early age temperatures of hardening concrete. <i>Construction and Building Materials</i> , 2011, 25, 4232-4240.	3.2	25
31	Thermal Performance of Mortars Based on Different Binders and Containing a Novel Sustainable Phase Change Material (PCM). <i>Materials</i> , 2020, 13, 2055.	1.3	21
32	A study of the adhesion between hydraulic mortars and concrete. <i>Journal of Adhesion Science and Technology</i> , 1998, 12, 1243-1251.	1.4	20
33	Study on residual behaviour and flexural toughness of fibre cocktail reinforced self compacting high performance concrete after exposure to high temperature. <i>Construction and Building Materials</i> , 2011, 25, 1243-1251.	3.2	20
34	Cost efficiency and resistance to chemical attack of a fly ash geopolymeric mortar versus epoxy resin and acrylic paint coatings. <i>European Journal of Environmental and Civil Engineering</i> , 2017, 21, 555-571.	1.0	19
35	Applications of Sustainable Polymer-Based Phase Change Materials in Mortars Composed by Different Binders. <i>Materials</i> , 2019, 12, 3502.	1.3	17
36	Hydraulic lime mortars with antifungal properties. <i>Applied Surface Science</i> , 2019, 483, 1192-1198.	3.1	17

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37	Thermal Mortars with Incorporation of PCM Microcapsules. Restoration of Buildings and Monuments, 2013, 19, 171-178.	0.6	16
38	Influence of the incorporation of phase change materials on temperature development in mortar at early ages: Experiments and numerical simulation. Construction and Building Materials, 2019, 225, 1036-1051.	3.2	16
39	Development of Foam One-Part Geopolymers with Enhanced Thermal Insulation Performance and Low Carbon Dioxide Emissions. Advanced Materials Research, 0, 1129, 565-572.	0.3	14
40	Effect of temperature on RC elements strengthened with CFRP. Materials and Structures/Materiaux Et Constructions, 2008, 41, 1133-1142.	1.3	13
41	Bioactivity enhancement of calcined kaolin geopolymer with CaCl ₂ treatment. ScienceAsia, 2016, 42, 407.	0.2	12
42	Durability of an UHPFRC under mechanical and chloride loads. Construction and Building Materials, 2021, 311, 125223.	3.2	12
43	Properties of Polymer Modified Concrete in Fresh and Hardened State. Advanced Materials Research, 0, 687, 204-212.	0.3	9
44	Estimation of the specific enthalpy-temperature functions for plastering mortars containing hybrid mixes of phase change materials. International Journal of Energy and Environmental Engineering, 2014, 5, 1.	1.3	9
45	Argamassas com incorporação de Materiais de Mudança de Fase (PCM): Caracterização física, mecânica e durabilidade. Revista Materia, 2015, 20, 245-261.	0.1	8
46	Durability Properties of Five Years Aged Lightweight Concretes Containing Rubber Aggregates. Periodica Polytechnica: Civil Engineering, 0, .	0.6	8
47	Hydraulic lime mortars incorporating micro cork granules with antifungal properties. Construction and Building Materials, 2020, 255, 119368.	3.2	8
48	Physical Properties of an Eco-Sustainable, Form-Stable Phase Change Material Included in Aerial-Lime-Based Mortar Intended for Different Climates. Materials, 2022, 15, 1192.	1.3	8
49	Physical Properties of Eco-Sustainable Form-Stable Phase Change Materials Included in Mortars Suitable for Buildings Located in Different Continental Regions. Materials, 2022, 15, 2497.	1.3	8
50	Ranking procedure based on mechanical, durability and thermal behavior of mortars with incorporation of phase change materials. Materiales De Construccion, 2015, 65, e068.	0.2	7
51	Mortars with Incorporation of Phase Change Materials for Thermal Rehabilitation. International Journal of Architectural Heritage, 2016, , 1-10.	1.7	6
52	Durability of polymeric pipes in contact with domestic products. Construction and Building Materials, 1999, 13, 155-157.	3.2	5
53	Concrete Retrofitting Using CFRP and Geopolymer Mortars. Materials Science Forum, 0, 730-732, 427-432.	0.3	5
54	FEM Applied to Building Physics: Modeling Solar Radiation and Heat Transfer of PCM Enhanced Test Cells. Energies, 2020, 13, 2200.	1.6	5

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55	An innovative approach for temperature control of massive concrete structures at early ages based on post-cooling: Proof of concept. Journal of Building Engineering, 2020, 32, 101832.	1.6	5
56	Innovative Materials for Construction. Materials, 2020, 13, 5448.	1.3	5
57	Fresh State Properties of Concrete Incorporating Scrap Tire Rubber. Periodica Polytechnica: Civil Engineering, 2016, 60, 611-617.	0.6	4
58	Energy benefits of cement-based plaster containing hybrid phase-change material. Proceedings of Institution of Civil Engineers: Construction Materials, 2018, 171, 117-125.	0.7	3
59	Report from 13 th ICPIC and 7 th ASPIC: New Trends on Concrete-Polymer Composites. Advanced Materials Research, 2013, 687, 45-56.	0.3	2
60	Mortars with Phase Change Materials (PCM) and Stone Waste to Improve Energy Efficiency in Buildings. , 2018, , 195-201.		2
61	Produtos de hidratação em argamassas geopoliméricas à base de argila da Tunísia para reparação de estruturas de concreto. Revista Materia, 2016, 21, 213-226.	0.1	1
62	Performance on an Alkali-Activated Cement-Based Binder (AACB) for Coating of an OPC Infrastructure Exposed to Chemical Attack. , 2017, , 335-356.		1
63	Mortars Containing Sustainable PCMs for the Energy Efficiency of Buildings. MATEC Web of Conferences, 2019, 303, 02001.	0.1	1
64	Chloride Ion Penetration into Cracked UHPFRC During Wetting-drying Cycles. RILEM Bookseries, 2021, , 227-238.	0.2	1
65	Essais d'adhérence des époxydes au béton hydraulique (Tests on bonding between epoxies and concrete). Tj ETQq, 1, 0.784314 rgB, 0.3	0.1	0
66	Comportamento térmico de argamassas com incorporação de Materiais de Mudança de Fase (PCM) no clima português. Revista Materia, 2017, 22, .	0.1	0
67	Argamassas eco-eficientes com incorporação simultânea de material de mudança de fase e cinzas volantes. Revista Materia, 2019, 24, .	0.1	0
68	Classificação de argamassas com incorporação de materiais de mudança de fase com base nas suas propriedades físicas, mecânicas e térmicas. Revista Materia, 2019, 24, .	0.1	0
69	Structural Properties of Phosphate-Washing Waste Based Geopolymeric Mortars. Advances in Science, Technology and Innovation, 2019, , 207-210.	0.2	0
70	Eficiência energética dos edifícios: contributo dos materiais de mudança de fase. , 2021, , .		0
71	Argamassas com incorporação direta de Materiais de Mudança de Fase: Avaliação do comportamento a baixas e elevadas temperaturas. Revista Materia, 2021, 26, .	0.1	0
72	Reabilitação térmica: Contributo das argamassas com incorporação de material de mudança de fase. Revista Materia, 2019, 24, .	0.1	0

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73	Sustainability Analysis of Interior Coatings for the Prevention of Fungal Development. Construction Materials, 2022, 2, 27-39.	0.5	0
74	Innovative coating materials to prevent fungi growth. , 2022, , 289-310.		0