

Julia C Mendes

List of Publications by Year in descending order

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34
papers

671
citations

623734

14
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortars for laying and coating produced with iron ore tailings from tailing dams. Construction and Building Materials, 2016, 112, 988-995.	7.2	100
2	Reuse of iron ore tailings from tailings dams as pigment for sustainable paints. Journal of Cleaner Production, 2018, 200, 412-422.	9.3	92
3	Using Iron Ore Tailings from Tailing Dams as Road Material. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	72
4	Mechanical, rheological and morphological analysis of cement-based composites with a new LAS-based air entraining agent. Construction and Building Materials, 2017, 145, 648-661.	7.2	41
5	On the relationship between morphology and thermal conductivity of cement-based composites. Cement and Concrete Composites, 2019, 104, 103365.	10.7	41
6	Technical and Environmental Feasibility of Interlocking Concrete Pavers with Iron Ore Tailings from Tailings Dams. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	34
7	Blast Oxygen Furnace Slag as Chemical Soil Stabilizer for Use in Roads. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	30
8	Ladle Furnace Slag as Binder for Cement-Based Composites. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	26
9	Evaluation of the economic feasibility of a processing plant for steelmaking slag. Waste Management and Research, 2016, 34, 107-112.	3.9	25
10	Design and thermal evaluation of a social housing model conceived with bioclimatic principles and recycled aggregates. Sustainable Cities and Society, 2019, 51, 101725.	10.4	23
11	Iron ore tailings in the production of cement tiles: a value analysis on building sustainability. Ambiente ConstruÁdo, 2018, 18, 395-412.	0.4	17
12	Mapping and recycling proposal for the construction and demolition waste generated in the Brazilian Amazon. Resources, Conservation and Recycling, 2022, 176, 105896.	10.8	15
13	Predicting the compressive strength of steelmaking slag concrete with machine learning “ Considerations on developing a mix design tool. Construction and Building Materials, 2022, 341, 127896.	7.2	15
14	Evaluation of fatigue performance of high RAP-WMA mixtures. International Journal of Pavement Research and Technology, 2019, 12, 430-434.	2.6	14
15	Factors affecting the specific heat of conventional and residue-based mortars. Construction and Building Materials, 2020, 237, 117597.	7.2	14
16	Application of Support Vector Machine and Finite Element Method to predict the mechanical properties of concrete. Latin American Journal of Solids and Structures, 2019, 16, .	1.0	12
17	Performance of Lightweight Concrete with Expansive and Air-Entraining Admixtures in CFST Columns. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	11
18	Coating mortars based on mining and industrial residues. Journal of Material Cycles and Waste Management, 2020, 22, 1569-1586.	3.0	10

#	ARTICLE	IF	CITATIONS
19	A review on the evolution of Portland cement and chemical admixtures in Brazil. Revista IBRACON De Estruturas E Materiais, 2021, 14, .	0.6	10
20	Correlation Between Ultrasonic Pulse Velocity and Thermal Conductivity of Cement-Based Composites. Journal of Nondestructive Evaluation, 2020, 39, 1.	2.4	9
21	Feasibility Study of Steel Slag Aggregates in Precast Concrete Pavers. ACI Materials Journal, 2016, 113, .	0.2	9
22	Reverse logistics system applied to the reuse of iron ore tailings. Waste Management and Research, 2020, 38, 1429-1437.	3.9	8
23	Influence of particle size-designed recycled mineral admixtures on the properties of cement-based composites. Construction and Building Materials, 2021, 272, 121640.	7.2	8
24	Rock Wool Waste as Supplementary Cementitious Material for Portland Cement-Based Composites. ACI Materials Journal, 2018, , .	0.2	6
25	Macroporous Mortars for Laying and Coating. , 2019, 18, 29-41.		6
26	Comparison of machine learning techniques to predict the compressive strength of concrete and considerations on model generalization. Revista IBRACON De Estruturas E Materiais, 2022, 15, .	0.6	6
27	Sensitivity analysis of coating mortars according to their specific heat, specific gravity, thermal conductivity, and thickness in contribution to the global thermal performance of buildings. Sustainable Materials and Technologies, 2022, 31, e00381.	3.3	5
28	Compressive strength of reduced concrete specimens considering dimensional distortion of coarse aggregates. Construction and Building Materials, 2020, 257, 119448.	7.2	3
29	USE OF LINEAR ALKYL BENZENE SULFONATE (LAS) AND POLYCARBOXYLATE-ETHER (PCE) AS REAGENTS IN IRON ORE FLOTATION. Holos, 0, 6, 116.	0.0	3
30	Predicting the mechanical properties of lightweight aggregate concrete using finite element method. Revista IBRACON De Estruturas E Materiais, 2020, 13, .	0.6	3
31	Roller-Compacted Concrete Pavements Produced Entirely with Steelmaking Slag Aggregates. ACI Materials Journal, 2021, 118, .	0.2	1
32	Glass Wool Residue: A Potential Supplementary Cementitious Material. ACI Materials Journal, 2019, 116, .	0.2	1
33	Sensitivity analysis of complex shear modulus using Hirsch model. International Journal of Pavement Research and Technology, 2019, 12, 125-130.	2.6	0
34	A fabricaÃ§Ã£o de sabÃ£o artesanal como forma de proteÃ§Ã£o dos recursos hÃ¡dricos e auxÃ­lio no combate Ã pandemia da COVID-19, por meio do ensino a distÃ¢ncia. Revista Brasileira De ExtensÃ£o UniversitÃ¡ria, 2021, 12, 89-102.	0.0	0