

Carlos Thomas

List of Publications by Year in descending order

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68
papers

2,110
citations

304701

22
h-index

233409

45
g-index

68
all docs

68
docs citations

68
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of temperature on fatigue behaviour of self-compacting recycled aggregate concrete. Cement and Concrete Composites, 2022, 125, 104309.	10.7	15
2	Radiation shielding properties of siderurgical aggregate concrete. Construction and Building Materials, 2022, 319, 126098.	7.2	23
3	Durability of high-performance self-compacted concrete using electric arc furnace slag aggregate and cupola slag powder. Cement and Concrete Composites, 2022, 127, 104399.	10.7	32
4	The use of foundry sand for recycled aggregate concrete. , 2022, , 3-24.		2
5	Statistical and numerical approaches of particulate reinforced polymers and their effect on the interlocking effect of hybrid composite joints. Journal of Composite Materials, 2022, 56, 1267-1285.	2.4	3
6	Bending behavior of ecological fiber reinforced concrete. , 2022, , 383-406.		0
7	Recycled Polyethylene Fibres for Structural Concrete. Applied Sciences (Switzerland), 2022, 12, 2867.	2.5	5
8	Effect of Fibre Reinforcement on Creep in Early Age Concrete. Applied Sciences (Switzerland), 2022, 12, 257.	2.5	2
9	Characterization of the adherence strength and the aggregate-paste bond of prestressed concrete with siderurgical aggregates. Journal of Building Engineering, 2022, 54, 104595.	3.4	1
10	Resonance fatigue testing on high-strength self-compacting concrete. Journal of Building Engineering, 2021, 35, 102057.	3.4	7
11	Effect of high temperature and accelerated aging in high density micro-concrete. Construction and Building Materials, 2021, 272, 121920.	7.2	10
12	Transport mechanisms as indicators of the durability of precast recycled concrete. Construction and Building Materials, 2021, 269, 121263.	7.2	16
13	Radiological shielding concrete using steel slags. , 2021, , 413-438.		0
14	Optimization of self-compacting recycled concrete manufactured with waste and byproducts. , 2021, , 481-504.		0
15	Special Issue High-Performance Eco-Efficient Concrete. Applied Sciences (Switzerland), 2021, 11, 1163.	2.5	3
16	Fatigue in recycled aggregate concrete for railway superstructure applications. , 2021, , 715-733.		0
17	Viability of Cupola Slag as an Alternative Eco-Binder and Filler in Concrete and Mortars. Applied Sciences (Switzerland), 2021, 11, 1957.	2.5	6
18	Effect of Micro-Silica Addition into Electric Arc Furnace Steel Slag Eco-Efficient Concrete. Applied Sciences (Switzerland), 2021, 11, 4893.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Resonance Fatigue Behaviour of Concretes with Recycled Cement and Aggregate. Applied Sciences (Switzerland), 2021, 11, 5045.	2.5	4
20	Physical-Mechanical Properties of Cupola Slag Cement Paste. Applied Sciences (Switzerland), 2021, 11, 7029.	2.5	7
21	Durability aspects in self-compacting siderurgical aggregate concrete. Journal of Building Engineering, 2021, 39, 102268.	3.4	8
22	Aging of recycled aggregates mortars by drying-wetting cycles. Construction and Building Materials, 2021, 307, 124934.	7.2	7
23	The effect of content and fineness of natural pozzolana on the rheological, mechanical, and durability properties of self-compacting mortar. Journal of Building Engineering, 2021, 44, 103276.	3.4	11
24	Normative review and necessary advances to promote the use of recycled aggregates and by-products in cement-based materials. , 2021, , 735-776.		3
25	Multirecycled concrete aggregates in concrete production. , 2021, , 387-411.		1
26	Siderurgical Aggregate Cement-Treated Bases and Concrete Using Foundry Sand. Applied Sciences (Switzerland), 2021, 11, 435.	2.5	10
27	Effect of Steel Fibre Reinforcement on Flexural Fatigue Behaviour of Notched Structural Concrete. Materials, 2021, 14, 5854.	2.9	5
28	Development and assessment of cement and concrete made of the burning of quinary by-product. Journal of Materials Research and Technology, 2021, 15, 3708-3721.	5.8	17
29	Synthesis, physico-mechanical properties, material processing, and math models of novel superior materials doped flake of carbon and colloid flake of carbon. Journal of Materials Research and Technology, 2021, 15, 4993-5009.	5.8	14
30	Assessment of compacted-cementitious composites as porous restrictors for aerostatic bearings. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 76-89.	1.1	0
31	Macro- and micro- properties of multi-recycled aggregate concrete. Journal of Cleaner Production, 2020, 245, 118843.	9.3	114
32	Mechanical and Durability Properties of Concrete with Coarse Recycled Aggregate Produced with Electric Arc Furnace Slag Concrete. Applied Sciences (Switzerland), 2020, 10, 216.	2.5	35
33	Fatigue failure micromechanisms in recycled aggregate mortar by $\frac{1}{4}$ CT analysis. Journal of Building Engineering, 2020, 28, 101027.	3.4	17
34	Advancements in shielding materials for spent fuel storage. , 2020, , 239-262.		0
35	High-Frequency Fatigue Testing of Recycled Aggregate Concrete. Applied Sciences (Switzerland), 2020, 10, 10.	2.5	30
36	Fast fatigue method for self-compacting recycled aggregate concrete characterization. Journal of Cleaner Production, 2020, 277, 123263.	9.3	18

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37	Influence of Recycled Precast Concrete Aggregate on Durability of Concrete's Physical Processes. Applied Sciences (Switzerland), 2020, 10, 7348.	2.5	11
38	Industrial Low-Clinker Precast Elements Using Recycled Aggregates. Applied Sciences (Switzerland), 2020, 10, 6655.	2.5	9
39	Determination of the Optimum Amount of Superplasticizer Additive for Self-Compacting Concrete. Applied Sciences (Switzerland), 2020, 10, 3096.	2.5	18
40	High Performance Self-Compacting Concrete with Electric Arc Furnace Slag Aggregate and Cupola Slag Powder. Applied Sciences (Switzerland), 2020, 10, 773.	2.5	46
41	Influence of curing conditions on recycled aggregate concrete. , 2020, , 285-300.		0
42	Neutron shielding concrete incorporating B4C and PVA fibers exposed to high temperatures. Journal of Building Engineering, 2019, 26, 100859.	3.4	11
43	Epoxy polymers reinforced with carbon microfibre wastes. Materials Today: Proceedings, 2019, 8, 847-852.	1.8	3
44	Self-compacting recycled aggregate concrete using out-of-service railway superstructure wastes. Journal of Cleaner Production, 2019, 230, 945-955.	9.3	49
45	Effect of elevated temperature on the mechanical properties and microstructure of heavy-weight magnetite concrete with steel fibers. Cement and Concrete Composites, 2019, 103, 80-88.	10.7	43
46	Sulphur content of recycled aggregates applied in concrete production. , 2019, , 499-508.		0
47	Micro- and macro-porosity of dry- and saturated-state recycled aggregate concrete. Journal of Cleaner Production, 2019, 211, 932-940.	9.3	67
48	Steel slags. , 2019, , 169-190.		19
49	Evaluation of the stiffening mechanism based on micro-sized particle inclusions in laminated composites. Materials Research, 2019, 22, .	1.3	4
50	Multiple recycled aggregate properties analysed by X-ray microtomography. Construction and Building Materials, 2018, 166, 171-180.	7.2	66
51	Influence of curing conditions on recycled aggregate concrete. Construction and Building Materials, 2018, 172, 618-625.	7.2	60
52	Polymer-cementitious composites containing recycled rubber particles. Construction and Building Materials, 2018, 170, 446-454.	7.2	21
53	The influence of recycled aggregates from precast elements on the mechanical properties of structural self-compacting concrete. Construction and Building Materials, 2018, 182, 309-323.	7.2	93
54	Structural recycled aggregate concrete made with precast wastes. Construction and Building Materials, 2016, 114, 536-546.	7.2	85

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55	Influence of recycled carbon powder waste addition on the physical and mechanical properties of cement pastes. Materials and Structures/Materiaux Et Constructions, 2016, 49, 5147-5159.	3.1	21
56	Durability of recycled concrete made with recycled ceramic sanitary ware aggregate. Inter-indicator relationships. Construction and Building Materials, 2016, 105, 480-486.	7.2	95
57	Fatigue limit of recycled aggregate concrete. Construction and Building Materials, 2014, 52, 146-154.	7.2	65
58	Epoxy composites containing CFRP powder wastes. Composites Part B: Engineering, 2014, 59, 260-268.	12.0	50
59	In situ mechanical investigation of rammed earth: Calibration of minor destructive testing. Construction and Building Materials, 2014, 51, 451-460.	7.2	37
60	Evaluation of the fatigue behavior of recycled aggregate concrete. Journal of Cleaner Production, 2014, 65, 397-405.	9.3	83
61	Durability of recycled aggregate concrete. Construction and Building Materials, 2013, 40, 1054-1065.	7.2	503
62	Mechanical characterization of rubble stone masonry walls using non and minor destructive tests. Construction and Building Materials, 2013, 43, 266-277.	7.2	50
63	Influence of recycled aggregates containing sulphur on properties of recycled aggregate mortar and concrete. Composites Part B: Engineering, 2013, 45, 474-485.	12.0	56
64	Characterization of Materials with Repellents and Consolidants from a Historic Building. Journal of Materials in Civil Engineering, 2013, 25, 1742-1751.	2.9	6
65	Abrasive wear evolution in concrete pavements. Road Materials and Pavement Design, 2012, 13, 534-548.	4.0	20
66	Gas permeability in concrete containing recycled ceramic sanitary ware aggregate. Construction and Building Materials, 2012, 37, 597-605.	7.2	59
67	Mechanical Behavior of Anchorages for Reinforcing Marine Stone Structures Subjected to Sea Waves. Journal of Materials in Civil Engineering, 2011, 23, 682-691.	2.9	4
68	Polymeric and cementitious mortars for the reconstruction of natural stone structures exposed to marine environments. Composites Part B: Engineering, 2010, 41, 663-672.	12.0	22