Romildo D Toledo Filho

List of Publications by Year
in descending order

270	11,782	30551	37326
papers	citations	56 h-index	100 g-index

276	276	276	7367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Behavior of oil well cement slurry systems aged in CO2-saturated water under high pressure and temperature. Journal of Thermal Analysis and Calorimetry, 2022, 147, 95-107.	2.0	0
2	Microstructural characterization of self-healing products in cementitious systems containing crystalline admixture in the short- and long-term. Cement and Concrete Composites, 2022, 126, 104369.	4.6	11
3	Sustainable alternatives to CO2 reduction in the cement industry: A short review. Materials Today: Proceedings, 2022, 57, 436-439.	0.9	19
4	Potentiality of earth-based mortar containing bamboo particles for GHG emissions reduction. Construction and Building Materials, 2022, 317, 125971.	3.2	6
5	How Different Tools Contribute to Climate Change Mitigation in a Circular Building Environment?â€"A Systematic Literature Review. Sustainability, 2022, 14, 3759.	1.6	12
6	Assessment of bio-aggregate concretesâ€™ properties with rice residue. Journal of Building Engineering, 2022, 52, 104348.	1.6	6
7	Mechanical Properties of Hybrid PVAâ€“Natural Curaua Fiber Composites. Materials, 2022, 15, 2808.	1.3	3
8	Life cycle assessment (LCA) and environmental sustainability of cementitious materials for 3D concrete printing: A systematic literature review. Journal of Building Engineering, 2022, 52, 104456.	1.6	17
9	Self-healing of slag-cement ultra-high performance steel fiber reinforced concrete (UHPFRC) containing sisal fibers as healing conveyor. Journal of Building Engineering, 2022, 54, 104638.	1.6	4
10	Use of iron ore tailings and sediments on pavement structure. Construction and Building Materials, 2022, 342, 128072.	3.2	16
11	Influence of Water Amount and Immersion Time on the Sisal Fibers Hornification Process. Journal of Natural Fibers, 2021, 18, 1712-1721.	1.7	10
12	A comprehensive approach for designing workable bio-based cementitious composites. Journal of Building Engineering, 2021, 34, 101696.	1.6	13
13	Innovative sandwich panels made of wood bio-concrete and sisal fiber reinforced cement composites. Construction and Building Materials, 2021, 272, 121636.	3.2	17
14	Static flexural behavior of bamboo as a functionally graded material and the effect of heat on dynamic flexural modulus. Journal of Building Engineering, 2021, 34, 101949.	1.6	5
15	Comparison between methods to determine the fibre orientation factor of an HPFRC bridge box girder. Construction and Building Materials, 2021, 269, 121291.	3.2	3
16	Environmental impact assessment of wood bio-concretes: Evaluation of the influence of different supplementary cementitious materials. Construction and Building Materials, 2021, 268, 121146.	3.2	32
17	Effect of pyraclostrobin on mulberry leaves nutrients, silkworm cocoon production and silk fiber performance. Revista Materia, 2021, 26, .	0.1	0
18	Mecanismo de atuaÃ§Ã£o dos PolÃmeros Superabsorventes como agentes de cura interna para mitigar a retraÃ§Ã£o autÃ³gena em Concretos de Alta ResistÃªncia (CAR) â€“ Estado da Arte. Revista Materia, 2021, 26, .	0.1	0

#	Article	IF	Citations
19	Autogenous Shrinkage in Structural Concrete Made with Recycled Concrete Aggregates. RILEM Bookseries, 2021, , 111-120.	0.2	0
20	Rheological study of Portland cement pastes modified with superabsorbent polymer and nanosilica. Journal of Building Engineering, 2021, 34, 102024.	1.6	14
21	Mechanical Response and Analysis of Cracking Process in Hybrid TRM Composites with Flax Textile and CurauÃ¡ Fibres. Polymers, 2021, 13, 715.	2.0	9
22	Thermo-oxidative degradation of vulcanized SBR: A comparison between ultraviolet (UV) and microwave as recovery techniques. Journal of Polymer Research, 2021, 28, 1.	1.2	13
23	AvaliaÃ§Ã£o ambiental do sistema construtivo de alvenaria de blocos de solo-cimento considerando diferentes especificaÃ§Ãµes de projeto. GestÃ£o & Tecnologia De Projetos, 2021, 16, 149-172.	0.1	4
24	Building materials in a circular economy: The case of wood waste as CO2-sink in bio concrete. Resources, Conservation and Recycling, 2021, 166, 105346.	5.3	56
25	Effect of pozzolanic micro and nanoparticles as secondary fillers in carbon nanotubes/cement composites. Construction and Building Materials, 2021, 281, 122603.	3.2	15
26	Tensile behavior of flax textile reinforced lime-mortar: Influence of reinforcement amount and textile impregnation. Cement and Concrete Composites, 2021, 119, 103984.	4.6	37
27	Polyaniline and magnetite on curaua fibers for molecular interface improvement with a cement matrix. Journal of Molecular Structure, 2021, 1233, 130101.	1.8	7
28	Influence of UV-modified GTR on the properties of interlocking concrete paving units. Journal of Molecular Structure, 2021, 1234, 130110.	1.8	3
29	Molecular grafting of nanoparticles onto sisal fibers - adhesion to cementitious matrices and novel functionalities. Journal of Molecular Structure, 2021, 1234, 130171.	1.8	5
30	Novel Coreâ€Shell System Based on Gelatin and Hydrophilic Polymers Useful as Concrete Selfâ€healing Systems. Macromolecular Symposia, 2021, 398, 2000180.	0.4	0
31	Coreâ€Shell System Based on Gelatin and Poly(Vinyl Alcohol) (PVA) for Concrete Selfâ€Healing Applications: Synthesis, Characterization, and Optimization. Macromolecular Symposia, 2021, 398, 2000194.	0.4	2
32	Thermal-Energy Analysis and Life Cycle GHG Emissions Assessments of Innovative Earth-Based Bamboo Plastering Mortars. Sustainability, 2021, 13, 10429.	1.6	7
33	Sisal textile reinforced concrete: Improving tensile strength and bonding through peeling and nano-silica treatment. Construction and Building Materials, 2021, 301, 124300.	3.2	5
34	Dispersion of Carbon Nanotubes with Different Types of Superplasticizer as a Dispersing Agent for Self-Sensing Cementitious Materials. Applied Sciences (Switzerland), 2021, 11, 8452.	1.3	11
35	An overview of a twofold effect of crystalline admixtures in cement-based materials: from permeability-reducers to self-healing stimulators. Journal of Building Engineering, 2021, 41, 102400.	1.6	29
36	Feasibility of iron-rich ore tailing as supplementary cementitious material in cement pastes. Construction and Building Materials, 2021, 303, 124496.	3.2	21

#	Article	IF	Citations
37	Pull-out behavior and tensile response of natural fibers under different relative humidity levels. Construction and Building Materials, 2021, 308, 124823.	3.2	15
38	Anionic, Cationic, and Nonionic Surfactants Used as Dispersing Agents for Carbon Nanotubes and Their Effect on Cement Hydration. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	3
39	Plasticizers as Dispersants for Carbon Nanotubes in Self-sensing Cement Composites. RILEM Bookseries, 2021, , 341-352.	0.2	0
40	Analytical tool for assessment of the rheological behavior of recycled aggregate concrete. Construction and Building Materials, 2021, 309, 125166.	3.2	12
41	Effects of Freeze-Thaw and Wet-Dry Cycles on Tension Stiffening Behavior of Reinforced RAC Elements. Applied Sciences (Switzerland), 2021, 11, 10063.	1.3	2
42	Concrete vs. Ceramic Blocks: Environmental Impact Evaluation Considering a Country-Level Approach. World, 2021, 2, 482-504.	1.0	4
43	CompÃ³sito trifÃ¡sico baseado em resÃduo de goma de mascar-sbr e partÃculas de quartzo. Revista Materia, 2021, 26, .	0.1	0
44	Mechanical behaviour of coarse, lightweight, recycled and natural aggregates for concrete. Proceedings of Institution of Civil Engineers: Construction Materials, 2020, 173, 70-78.	0.7	18
45	Crystalline admixture effects on crystal formation phenomena during cement pastesâ€™ hydration. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3361-3375.	2.0	34
46	Effect of particle size, porous structure and content of rice husk ash on the hydration process and compressive strength evolution of concrete. Construction and Building Materials, 2020, 236, 117553.	3.2	45
47	High temperatures effect on mechanical and physical performance of normal and high strength recycled aggregate concrete. Fire Safety Journal, 2020, 117, 103222.	1.4	25
48	The influence of carboxylated styrene butadiene rubber coating on the mechanical performance of vegetable fibers and on their interface with a cement matrix. Construction and Building Materials, 2020, 262, 120770.	3.2	17
49	Effect of the Combination of Superabsorbent Polymers for Autogenous Shrinkage Control with Steel Fibers of High-Performance Concrete under Uniaxial Tension Using DIC. Materials, 2020, 13, 4638.	1.3	5
50	Constructive systems for social housing deployment in developing countries: A case study using dynamic life cycle carbon assessment and cost analysis in Brazil. Energy and Buildings, 2020, 227, 110395.	3.1	16
51	Durability of Structural Recycled Aggregate Concrete Subjected to Freeze-Thaw Cycles. Sustainability, 2020, 12, 6475.	1.6	22
52	Influence of Wetting and Drying Cycles on Physical and Mechanical Behavior of Recycled Aggregate Concrete. Materials, 2020, 13, 5675.	1.3	10
53	Bamboo bio-concrete as an alternative for buildingsâ€™ climate change mitigation and adaptation. Construction and Building Materials, 2020, 263, 120652.	3.2	23
54	An Experimental and Environmental Evaluation of Mortars with Recycled Demolition Waste from a Hospital Implosion in Rio de Janeiro. Sustainability, 2020, 12, 8945.	1.6	5

#	Article	IF	Citations
55	Effect of microcrystalline and microfibrillated cellulose on the evolution of hydration of cement pastes by thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1413-1428.	2.0	6
56	Effect of plain and carboxylated styrene-butadiene rubber on the rheological behavior of silica fume-class G Portland cement slurries. Journal of Materials Research and Technology, 2020, 9, 5364-5377.	2.6	5
57	Effect of moisture movement on the tensile stressâ€“strain behavior of SHCC with alkali treated curauÃ¡ fiber. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	14
58	Design of structural concrete mixtures containing fine recycled concrete aggregate using packing model. Construction and Building Materials, 2020, 252, 119091.	3.2	31
59	Evaluation of Mechanical Properties of Cement-Based Composites with Nanomaterials. , 2020, , 145-172.		3
60	AvaliaÃ§Ã£o de estratÃ©gias para a mitigaÃ§Ã£o dos impactos ambientais de revestimentos argamassados no Brasil. Ambiente ConstruÃdo, 2020, 20, 343-362.	0.2	7
61	ARGAMASSAS DE TERRA VERSUS CONVENCIONAIS: AVALIAÃ‡ÃƒO DO DESEMPENHO AMBIENTAL CONSIDERANDO O CICLO DE VIDA. Mix SustentÃ¡vel, 2020, 6, 115-128.	0.0	8
62	Influence of NaCl and KCl addition on the thermal properties of cement pastes. Technical Papers ... Rio Oil & Gas, 2020, 20, 124-125.	0.0	0
63	Production of magnetic nanoparticles modified with silica for application in oil and gas industry. Technical Papers ... Rio Oil & Gas, 2020, 20, 102-103.	0.0	0
64	Effect of inductive heating on the properties of a cement slurry blended with magnetic iron oxide nanoparticles. Technical Papers ... Rio Oil & Gas, 2020, 20, 101-102.	0.0	0
65	Modelling of tension stiffening effect in reinforced recycled concrete. Revista IBRACON De Estruturas E Materiais, 2020, 13, .	0.3	2
66	InserÃ§Ã£o da ACV no processo de projeto de edificaÃ§Ãµes: avaliaÃ§Ã£o de alternativas e ferramentas computacionais para a prÃ¡tica de mercado. ParanoÃ¡: Cadernos De Arquitetura E Urbanismo, 2020, , .	0.1	0
67	Early carbonation curing effects on the microstructure of high initial strength Portland cement pastes. Advances in Cement Research, 2019, 31, 382-388.	0.7	2
68	Thermal, Mechanical and Microstructural Analysis of Metakaolin Based Geopolymers. Materials Research, 2019, 22, .	0.6	30
69	Nanosilica particles as structural buildup agents for 3D printing with Portland cement pastes. Construction and Building Materials, 2019, 219, 91-100.	3.2	62
70	Influence of an Impregnation Treatment on the Morphology and Mechanical Behaviour of Flax Yarns Embedded in Hydraulic Lime Mortar. Fibers, 2019, 7, 30.	1.8	36
71	Determination of CO2 capture during accelerated carbonation of engineered cementitious composite pastes by thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2019, 138, 97-109.	2.0	13
72	Effect of nanocelluloses on the microstructure and mechanical performance of CAC cementitious matrices. Cement and Concrete Research, 2019, 119, 64-76.	4.6	39

#	Article	IF	Citations
73	Efeito do envelhecimento acelerado sobre as propriedades de microconcreto reforÃ§ado com fibras longas de sisal. Ambiente ConstruÃdo, 2019, 19, 7-20.	0.2	9
74	Construction and demolition waste aggregates: analysis of the physical and mechanical properties of mortars. IOP Conference Series: Materials Science and Engineering, 2019, 652, 012016.	0.3	2
75	Biodegradation of Vulcanized SBR: A Comparison between Bacillus subtilis, Pseudomonas aeruginosa and Streptomyces sp. Scientific Reports, 2019, 9, 19304.	1.6	32
76	The biodegradative effect of Tenebrio molitor Linnaeus larvae on vulcanized SBR and tire crumb. Science of the Total Environment, 2019, 649, 1075-1082.	3.9	46
77	Interface characteristics of jute fiber systems in a cementitious matrix. Cement and Concrete Research, 2019, 116, 252-265.	4.6	42
78	Effect of early age curing carbonation on the mechanical properties and durability of high initial strength Portland cement and lime-pozolan composites reinforced with long sisal fibres. Composites Part B: Engineering, 2019, 163, 351-362.	5.9	38
79	Generalized quality control parameter for heterogenous recycled concrete aggregates: A pilot scale case study. Journal of Cleaner Production, 2019, 208, 589-601.	4.6	33
80	Calcium-aluminate mortars at high temperatures: Overcoming adverse conversion effects using clinker aggregates. Cement and Concrete Composites, 2019, 96, 212-224.	4.6	15
81	Experimental and numerical analysis of short sisal fiber-cement composites produced with recycled matrix. European Journal of Environmental and Civil Engineering, 2019, 23, 70-84.	1.0	5
82	AvaliaÃ§Ã£o do Ciclo de Vida de materiais cimentÃcios utilizados no Brasil: estudo para o bloco de concreto e diferentes argamassas. LALCA- Revista Latino Americana Em AvaliaÃ§Ã£o Do Ciclo De Vida, 2019, 2, 34-61.	0.3	7
83	Influence of MWCNT/surfactant dispersions on the rheology of Portland cement pastes. Cement and Concrete Research, 2018, 107, 101-109.	4.6	67
84	Hydration at early ages of styrene-butadiene copolymers cementitious systems. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1041-1054.	2.0	10
85	Influence of natural fibers characteristics on the interface mechanics with cement based matrices. Composites Part B: Engineering, 2018, 140, 183-196.	5.9	82
86	Inverse Identification of the Bond-Slip Law for Sisal Fibers in High-Performance Cementitious Matrices. Lecture Notes in Civil Engineering, 2018, , 58-70.	0.3	0
87	Experimental fatigue behavior of pultruded glass fibre reinforced polymer composite materials. Composites Part B: Engineering, 2018, 146, 69-75.	5.9	55
88	Design of strain hardening cement-based composites with alkali treated natural curauÃ¡ fiber. Cement and Concrete Composites, 2018, 89, 150-159.	4.6	49
89	Study of temperature effect on macro-synthetic fiber reinforced concretes by means of Barcelona tests: An approach focused on tunnels assessment. Construction and Building Materials, 2018, 158, 443-453.	3.2	23
90	Enhancement the Properties of Sugar Cane Bagasse Ash with High Carbon Content by a Controlled Re-calcination Process. KSCE Journal of Civil Engineering, 2018, 22, 1250-1257.	0.9	54

#	Article	IF	Citations
91	On the validation of integrated DIC with tapered double cantilever beam tests. Engineering Fracture Mechanics, 2018, 191, 311-323.	2.0	11
92	Development of sandwich panels combining Sisal Fiber-Cement Composites and Fiber-Reinforced Lightweight Concrete. Cement and Concrete Composites, 2018, 86, 206-223.	4.6	46
93	Influence of Alkaline Hornification Treatment Cycles on the Mechanical Behavior in Curaua Fibers. Macromolecular Symposia, 2018, 381, 1800096.	0.4	10
94	Oil Spill Cleanâ€Up Tool Based on Castor Oil and Coffee Grounds Magnetic Resins. Macromolecular Symposia, 2018, 380, 1800095.	0.4	8
95	Influence of Styreneâ€Butadiene Coâ€Polymer on the Hydration Kinetics of SBRâ€Modified Well Cement Slurries. Macromolecular Symposia, 2018, 380, 1800131.	0.4	11
96	The durability of SHCC with alkali treated curaua fiber exposed to natural weathering. Cement and Concrete Composites, 2018, 94, 116-125.	4.6	24
97	Reinforcing Effect of Carbon Nanotubes/Surfactant Dispersions in Portland Cement Pastes. Advances in Civil Engineering, 2018, 2018, 1-9.	0.4	8
98	Effect of a Carbon Nanotube/Surfactant Aqueous Dispersion on the Rheological and Mechanical Properties of Portland Cement Pastes. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	14
99	Coupled temperature and moisture effects on the tensile behavior of strain hardening cementitious composites (SHCC) reinforced with PVA fibers. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	10
100	Long-Term Compressive Behavior of Concretes with Sugarcane Bagasse Ash as a Supplementary Cementitious Material. Journal of Testing and Evaluation, 2018, 46, 564-573.	0.4	21
101	Rheological Behavior at Fresh State of Structural Recycled Aggregate Concrete. , 2018, , 215-223.		0
102	The Influence of Recycled Concrete and Clay Brick Particles on the Strength and Porosity of Cement-Based Pastes. RILEM Bookseries, 2018, , 189-194.	0.2	0
103	Determining the adiabatic temperature rise of concrete by inverse analysis: case study of a spillway gate pier. European Journal of Environmental and Civil Engineering, 2017, 21, 272-288.	1.0	7
104	A comparative study of hydration kinetics of different cements by thermogravimetry on calcined mass basis. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1335-1342.	2.0	17
105	A study by NCDTA and TG of a coal power unit waste effects on the early hydration stages of Type II Portland cement. Journal of Thermal Analysis and Calorimetry, 2017, 129, 85-102.	2.0	1
106	Performance of Portland cement pastes containing nano-silica and different types of silica. Construction and Building Materials, 2017, 146, 524-530.	3.2	81
107	Rheological and mechanical behavior of High Strength Steel Fiber-River Gravel Self Compacting Concrete. Construction and Building Materials, 2017, 150, 606-618.	3.2	19
108	Use of simple non-destructive techniques to evaluate the hydration reactions of PVA-modified cement pastes. Construction and Building Materials, 2017, 133, 340-347.	3.2	7

#	Article	IF	Citations
109	Optimization of normal and high strength recycled aggregate concrete mixtures by using packing model. Cement and Concrete Composites, 2017, 84, 83-92.	4.6	77
110	A review on the chemical, mechanical and microstructural characterization of carbon nanotubes-cement based composites. Construction and Building Materials, 2017, 154, 697-710.	3.2	145
111	Tension stiffening approach for interface characterization in recycled aggregate concrete. Cement and Concrete Composites, 2017, 82, 176-189.	4.6	27
112	A study of CO2 capture by high initial strength Portland cement pastes at early curing stages by new non-conventional thermogravimetry and non-conventional differential thermal analysis. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1341-1352.	2.0	7
113	Experimental investigation and modelling of the temperature effects on the tensile behavior of textile reinforced refractory concretes. Cement and Concrete Composites, 2017, 75, 51-61.	4.6	35
114	Cementitious Composites Reinforced with Natural Fibres. Research for Development, 2017, , 197-331.	0.2	4
115	Fiber Durability. RILEM State-of-the-Art Reports, 2017, , 59-78.	0.3	3
116	Effect of hornification on the structure, tensile behavior and fiber matrix bond of sisal, jute and curauÃ¡ fiber cement based composite systems. Construction and Building Materials, 2017, 139, 551-561.	3.2	108
117	Influence of Elevated Temperatures. RILEM State-of-the-Art Reports, 2017, , 109-118.	0.3	1
118	Generalised Mix Design Rules for Concrete with Recycled Aggregates. Research for Development, 2017, , 123-134.	0.2	0
119	Technical viability of self-compacting concretes with by-products from crushed coarse aggregate production. REM: International Engineering Journal, 2016, 69, 265-271.	0.2	2
120	Sewage sludge ash (SSA) in high performance concrete: characterization and application. Revista IBRACON De Estruturas E Materiais, 2016, 9, 989-1006.	0.3	7
121	<b>Tension stiffening of steel-fiber-reinforced concrete. Acta Scientiarum - Technology, 2016, 38, 455.	0.4	9
122	A novel mix design methodology for Recycled Aggregate Concrete. Construction and Building Materials, 2016, 122, 362-372.	3.2	76
123	Gypsum content determination in Portland cements by thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1053-1062.	2.0	22
124	Recommendation of RILEM TC 232-TDT: test methods and design of textile reinforced concrete. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4923-4927.	1.3	171
125	Tensile strength of a calcium-aluminate cementitious composite reinforced with basalt textile in a high-temperature environment. Cement and Concrete Composites, 2016, 70, 183-193.	4.6	45
126	Comparative testing of crack formation in strain-hardening cement-based composites (SHCC). Materials and Structures/Materiaux Et Constructions, 2016, 49, 1175-1189.	1.3	70

#	Article	IF	Citations
127	The effect of accelerated aging on the interface of jute textile reinforced concrete. Cement and Concrete Composites, 2016, 74, 7-15.	4.6	45
128	Durability of Lightweight Slurries for Oilwell Cementing. Key Engineering Materials, 2016, 711, 203-210.	0.4	0
129	Deflection hardening of sustainable fiberâ€“cement composites. Green Materials, 2016, 4, 18-30.	1.1	6
130	Improved pozzolanic activity of sugar cane bagasse ash by selective grinding and classification. Cement and Concrete Research, 2016, 89, 269-275.	4.6	104
131	On the influence of Dendrocalamus giganteus bamboo microstructure on its mechanical behavior. Construction and Building Materials, 2016, 127, 199-209.	3.2	38
132	Inverse identification of the bond behavior for jute fibers in cementitious matrix. Composites Part B: Engineering, 2016, 95, 440-452.	5.9	35
133	Fresh and hardened-state properties of self-compacting lightweight concrete reinforced with steel fibers. Construction and Building Materials, 2016, 104, 284-292.	3.2	100
134	Experimental and numerical research on the potentialities of layered reinforcement configuration of continuous sisal fibers for thin mortar panels. Construction and Building Materials, 2016, 102, 792-801.	3.2	10
135	Effect of a commercial dispersion of multi walled carbon nanotubes on the hydration of an oil well cementing paste. Frontiers of Structural and Civil Engineering, 2016, 10, 174-179.	1.2	19
136	PLA-b-PEG/magnetite hyperthermic agent prepared by Ugi four component condensation. EXPRESS Polymer Letters, 2016, 10, 188-203.	1.1	26
137	Cinzas de biomassa geradas na agroindÃºstria do cacau: caracterizaÃ§Ã£o e uso em substituiÃ§Ã£o ao cimento. Ambiente ConstruÃdo, 2015, 15, 321-334.	0.2	12
138	A Comparative Study Between the Early Stages Hydration of a High Strength and Sulphate Resistant Portland Cement and the Type II F Portland Cement Through Non Conventional Differential Thermal Analysis and Thermogravimetry. Materials Research, 2015, 18, 291-296.	0.6	3
139	Effect of Cellulose Nanopulp on Autogenous and Drying Shrinkage of Cement Based Composites. , 2015, , 325-330.		12
140	Cellulosic fiber reinforced cement-based composites: A review of recent research. Construction and Building Materials, 2015, 79, 115-128.	3.2	476
141	The effects of the early carbonation curing on the mechanical and porosity properties of high initial strength Portland cement pastes. Construction and Building Materials, 2015, 77, 448-454.	3.2	64
142	Hydration Properties of Cement Pastes with Recycled Demolition Waste from Clay Bricks and Concrete. RILEM Bookseries, 2015, , 591-591.	0.2	1
143	Thermal stability of PVA fiber strain hardening cement-based composites. Construction and Building Materials, 2015, 94, 437-447.	3.2	59
144	Use of thermal analysis to determine the hydration products of oil well cement pastes containing NaCl and KCl. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1279-1288.	2.0	34

#	Article	IF	Citations
145	Effect of fiber treatments on the sisal fiber properties and fiberâ€“matrix bond in cement based systems. Construction and Building Materials, 2015, 101, 730-740.	3.2	135
146	Effect of elevated temperatures on the mechanical behavior of basalt textile reinforced refractory concrete. Materials & Design, 2015, 65, 24-33.	5.1	99
147	INFLUENCE OF INITIAL CaO/SiO2RATIO ON THE HYDRATION OF RICE HUSK ASH-Ca(OH)2AND SUGAR CANE BAGASSE ASH-Ca(OH)2PASTES. Quimica Nova, 2014, , .	0.3	9
148	Compressive stress-strain behaviour of cement mortar-composites reinforced with short sisal fibre. Materials Research, 2014, 17, 38-46.	0.6	29
149	Flexural behavior of hybrid steel fiber reinforced self-consolidating concretes. Revista Escola De Minas, 2014, 67, 27-32.	0.1	7
150	<b>Shear strength of steel fiber-reinforced concrete beams. Acta Scientiarum - Technology, 2014, 36, 389.	0.4	23
151	Influence of local raw materials on the mechanical behaviour and fracture process of PVA-SHCC. Materials Research, 2014, 17, 146-156.	0.6	41
152	Measuring the strength of irregularly-shaped fine particles in a microcompression tester. Minerals Engineering, 2014, 65, 149-155.	1.8	29
153	Modeling Pore Continuity and Durability of Cementitious Sealing Material. Journal of Energy Resources Technology, Transactions of the ASME, 2014, 136, .	1.4	8
154	Pozzolanic Reactions in Cementitious Materials for Subsurface Applications. , 2014, , .		0
155	Mechanical and Physical Properties of Early Carbonated High Initial Strength Portland Cement Pastes. Key Engineering Materials, 2014, 634, 467-472.	0.4	0
156	Numerical-Experimental Assessment of the Arumaìf Fiber as Reinforcement to the Cementitious Matrix. Key Engineering Materials, 2014, 600, 460-468.	0.4	0
157	Collapse of sandwich pipes with PVA fiber reinforced cementitious composites core under external pressure. Ocean Engineering, 2014, 82, 1-13.	1.9	65
158	Effect of steel fiber hybridization on the fracture behavior of self-consolidating concretes. Cement and Concrete Composites, 2014, 54, 100-109.	4.6	26
159	Mechanical behavior of hybrid steel-fiber self-consolidating concrete: Materials and structural aspects. Materials & Design, 2014, 54, 32-42.	5.1	52
160	Effect of internal curing by using superabsorbent polymers (SAP) on autogenous shrinkage and other properties of a high-performance fine-grained concrete: results of a RILEM round-robin test. Materials and Structures/Materiaux Et Constructions, 2014, 47, 541-562.	1.3	175
161	A study of the carbonation profile of cement pastes by thermogravimetry and its effect on the compressive strength. Journal of Thermal Analysis and Calorimetry, 2014, 116, 69-76.	2.0	38
162	Compressive stressâ€“strain behavior of steel fiber reinforced-recycled aggregate concrete. Cement and Concrete Composites, 2014, 46, 65-72.	4.6	259

#	Article	IF	Citations
163	Alternative processing procedures for recycled aggregates in structural concrete. Construction and Building Materials, 2014, 69, 124-132.	3.2	208
164	Effects of elevated temperatures on the interface properties of carbon textile-reinforced concrete. Cement and Concrete Composites, 2014, 48, 26-34.	4.6	105
165	Influence of Short Polypropylene Fibers on the Toughness of High Performance Cement Slurries. , 2014, , .		0
166	Effect of Polyaniline and H₂O₂ Surface Modification on the Tensile Behavior and Chemical Properties of Coir Fibers. Journal of Biobased Materials and Bioenergy, 2014, 8, 578-586.	0.1	9
167	Characterization and treatment of sisal fiber residues for cement-based composite application. Engenharia Agricola, 2014, 34, 812-825.	0.2	32
168	InfluÃªncia da prÃ©-saturaÃ§Ã£o do agregado miÃºdo reciclado na viscosidade e resistÃªncia Ã compressÃ£o de argamassas. Ambiente ConstruÃdo, 2014, 14, 85-98.	0.2	5
169	CO2 sequestration by high initial strength Portland cement pastes. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1577-1584.	2.0	32
170	Early stages hydration of high initial strength Portland cement. Journal of Thermal Analysis and Calorimetry, 2013, 113, 659-665.	2.0	15
171	Sustainability perspective of marble and granite residues as concrete fillers. Construction and Building Materials, 2013, 45, 1-10.	3.2	134
172	The effect of fiber morphology on the tensile strength of natural fibers. Journal of Materials Research and Technology, 2013, 2, 149-157.	2.6	296
173	Degradation kinetics and aging mechanisms on sisal fiber cement composite systems. Cement and Concrete Composites, 2013, 40, 30-39.	4.6	163
174	Uniaxial and Triaxial Stress-Strain Behaviour of Ductile Cement Pastes Reinforced With Wollastonite Microfibers. , 2013, , .		1
175	Rio 2016 sustainable construction commitments lead to new developments in recycled aggregate concrete. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2013, 166, 28-35.	0.3	5
176	Influence of stone cutting waste and ground waste clay brick on the hydration and packing density of cement pastes. Revista IBRACON De Estruturas E Materiais, 2013, 6, 661-680.	0.3	6
177	Durability under thermal loads of polyvinyl alcohol fibers. Revista Materia, 2013, 18, 1587-1595.	0.1	21
178	MECANISMO DE FISSURAÃ‡AO SOB TRAÃ‡ÃƒO DIRETA DE COMPÃ“SITOS CIMENTÃCIOS REFORÃ‡ADOS COM FIBRAS CURTAS DE SISAL. Engevista, 2013, 15, 95.	0.1	0
179	Modeling Pozzolanic Systems for Subsurface Cementitious Systems. , 2013, , .		0
180	Self-Compacting and Conventional Concrete with Mineral Waste: Fresh and Hardened State Properties. Key Engineering Materials, 2012, 517, 547-555.	0.4	1

#	Article	IF	Citations
181	Evaluation of durability to wet/dry cycling of cement mortar composites reinforced with nanofibrillated cellulose. , 2012, , 33-41.		10
182	Mechanical Behavior of Jute Fiber-Cement Based Composites. Key Engineering Materials, 2012, 517, 469-476.	0.4	1
183	Rheological Characterization and Mechanical Behavior of Polymer Powder Modified-Cement Pastes and Wollastonite Fibers Reinforced Cement Pastes. , 2012, , .		0
184	Effect of the Sodium and Potassium Chloride on the Mechanical and Plastic Properties on the Oil Well Cement Slurries. , 2012, , .		0
185	Limit Strength of New Sandwich Pipes With Strain Hardening Cementitious Composites (SHCC) Core: Finite Element Modelling. , 2012, , .		4
186	Coupled strain rate and temperature effects on the tensile behavior of strain-hardening cement-based composites (SHCC) with PVA fibers. Cement and Concrete Research, 2012, 42, 1417-1427.	4.6	114
187	Durability of strain-hardening cement-based composites (SHCC). Materials and Structures/Materiaux Et Constructions, 2012, 45, 1447-1463.	1.3	96
188	Ultimate strength behaviour of sandwich pipes filled with steel fiber reinforced concrete. Ocean Engineering, 2012, 55, 125-135.	1.9	59
189	InfluÃªncia de ciclos molhagem-secagem em fibras de sisal sobre a aderÃªncia com matrizes de cimento Portland. Revista Materia, 2012, 17, 1024-1034.	0.1	33
190	Efeito do tempo de exposiÃ§Ã£o a uma atmosfera coqueificante na microestrutura e nas propriedades de um concreto refratÃ¡rio usado na indÃºstria petroquÃmica. Ceramica, 2012, 58, 195-204.	0.3	7
191	Early stages hydration of high initial strength Portland cement. Journal of Thermal Analysis and Calorimetry, 2012, 108, 725-731.	2.0	40
192	Experimental characterization of binary and ternary blended-cement concretes containing ultrafine residual rice husk and sugar cane bagasse ashes. Construction and Building Materials, 2012, 29, 641-646.	3.2	133
193	Performance assessment of Ultra High Performance Fiber Reinforced Cementitious Composites in view of sustainability. Materials & Design, 2012, 36, 880-888.	5.1	86
194	Basic Creep under Compression and Direct Tension Loads of Self-compacting-steel Fibers Reinforced Concrete. RILEM Bookseries, 2012, , 171-178.	0.2	3
195	Evaluation of partial clinker replacement by sugar cane bagasse ash: CO2 emission reductions and potential for carbon credits. Revista IBRACON De Estruturas E Materiais, 2012, 5, 229-251.	0.3	11
196	Modelling Pore Continuity and Durability of Cementitious Sealing Material. , 2012, , .		0
197	Production of silica gel from residual rice husk ash. Quimica Nova, 2011, 34, 71-75.	0.3	44
198	The hornification of vegetable fibers to improve the durability of cement mortar composites. Cement and Concrete Composites, 2011, 33, 586-595.	4.6	177

#	Article	IF	Citations
199	Effect of fiber shape and morphology on interfacial bond and cracking behaviors of sisal fiber cement based composites. Cement and Concrete Composites, 2011, 33, 814-823.	4.6	101
200	Influence of particle size and specific surface area on the pozzolanic activity of residual rice husk ash. Cement and Concrete Composites, 2011, 33, 529-534.	4.6	139
201	Influence of ultrafine wet grinding on pozzolanic activity of submicrometre sugar cane bagasse ash. Advances in Applied Ceramics, 2011, 110, 453-456.	0.6	23
202	Durability under Thermal Loads. , 2011, , 59-71.		1
203	Numerical simulation of dam construction using low-CO2-emission concrete. Materials and Structures/Materiaux Et Constructions, 2010, 43, 1061-1074.	1.3	16
204	Cement replacement by sugar cane bagasse ash: CO2 emissions reduction and potential for carbon credits. Journal of Environmental Management, 2010, 91, 1864-1871.	3.8	163
205	Fatigue behavior of sisal fiber reinforced cement composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5507-5513.	2.6	67
206	High speed tensile behavior of sisal fiber cement composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 544-552.	2.6	64
207	Influence of steel fibers on the development of alkali-aggregate reaction. Cement and Concrete Research, 2010, 40, 598-604.	4.6	12
208	Physical and mechanical properties of durable sisal fiberâ€“cement composites. Construction and Building Materials, 2010, 24, 777-785.	3.2	281
209	A multi-scale investigation of the mechanical behavior of durable sisal fiber cement composites. Revista Materia, 2010, 15, 338-344.	0.1	4
210	Efeito da argila calcinada sobre a durabilidade de argamassas reforÃ§adas com fibras curtas de sisal. Revista Brasileira De Engenharia Agricola E Ambiental, 2010, 14, 1109-1114.	0.4	4
211	Modelagem computacional de vigas de concreto armado reforÃ§ado com fibras de aÃ§o submetidas a cisalhamento. Revista IBRACON De Estruturas E Materiais, 2010, 3, 68-94.	0.3	1
212	Cinza ultrafina do bagaÃ§o de cana-de-aÃ§Ãºcar: material pozolÃ¢nico de alto potencial para paÃses tropicais. Revista IBRACON De Estruturas E Materiais, 2010, 3, 50-67.	0.3	25
213	Mechanical Behavior of Natural Sisal Fibers. Journal of Biobased Materials and Bioenergy, 2010, 4, 106-113.	0.1	31
214	CaracterizaÃ§Ã£o de cinza do bagaÃ§o de cana-de-aÃ§Ãºcar para emprego como pozolana em materiais cimentÃcios. Quimica Nova, 2009, 32, 82-86.	0.3	29
215	InfluÃªncia das fibras de aÃ§o e das adiÃ§Ãµes minerais na fissuraÃ§Ã£o de tirantes de concreto armado. Revista IBRACON De Estruturas E Materiais, 2009, 2, 142-165.	0.3	0
216	Mechanical behavior of recycled lightweight concrete using EVA waste and CDW under moderate temperature. Revista IBRACON De Estruturas E Materiais, 2009, 2, 211-221.	0.3	22

#	Article	IF	Citations
217	TENSILE FATIGUE RESPONSE OF SISAL FIBER REINFORCED CEMENT COMPOSITES. , 2009, , 81-90.		3
218	An experimental investigation of the fatigue behavior of sisal fibers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 516, 90-95.	2.6	76
219	Cracking mechanisms in durable sisal fiber reinforced cement composites. Cement and Concrete Composites, 2009, 31, 721-730.	4.6	194
220	Ultrafine grinding of sugar cane bagasse ash for application as pozzolanic admixture in concrete. Cement and Concrete Research, 2009, 39, 110-115.	4.6	289
221	Performance evaluation of cement mortars modified with metakaolin or ground brick. Construction and Building Materials, 2009, 23, 1971-1979.	3.2	96
222	Durability of compression molded sisal fiber reinforced mortar laminates. Construction and Building Materials, 2009, 23, 2409-2420.	3.2	172
223	Effect of calcination temperature on the pozzolanic activity of sugar cane bagasse ash. Construction and Building Materials, 2009, 23, 3301-3303.	3.2	244
224	Use of ultrafine rice husk ash with high-carbon content as pozzolan in high performance concrete. Materials and Structures/Materiaux Et Constructions, 2009, 42, 983-992.	1.3	149
225	InfluÃªncia da substituiÃ§Ã£o parcial de cimento por cinza ultrafina da casca de arroz com elevado teor de carbono nas propriedades do concreto. Ambiente ConstruÃdo, 2009, 9, 99-107.	0.2	7
226	Pozzolanic activity and filler effect of sugar cane bagasse ash in Portland cement and lime mortars. Cement and Concrete Composites, 2008, 30, 410-418.	4.6	352
227	Evaluation of magnesium sulphate attack in mortar-metakaolin system by thermal analysis. Journal of Thermal Analysis and Calorimetry, 2008, 94, 511-516.	2.0	5
228	Tensile behavior of high performance natural (sisal) fibers. Composites Science and Technology, 2008, 68, 3438-3443.	3.8	318
229	Evaluation of the Metakaolin Pozzolanic Reactivity in Cement Pastes. Materials Science Forum, 2008, 591-593, 827-832.	0.3	7
230	CaracterÃsticas tecnolÃ³gicas da Prosopis juliflora (Sw.) DC. e alternativas para o uso racional. Revista Brasileira De Engenharia Agricola E Ambiental, 2007, 11, 537-542.	0.4	5
231	Comparison of natural and manufactured fine aggregates in cement mortars. Cement and Concrete Research, 2007, 37, 924-932.	4.6	160
232	Potential for use of crushed waste calcined-clay brick as a supplementary cementitious material in Brazil. Cement and Concrete Research, 2007, 37, 1357-1365.	4.6	141
233	CaracterizaÃ§Ã£o mecÃ¢nica de laminados cimentÃceos esbeltos reforÃ§ados com fibras de sisal. Revista Brasileira De Engenharia Agricola E Ambiental, 2007, 11, 644-651.	0.4	4
234	Modeling adiabatic temperature rise during concrete hydration: A data mining approach. Computers and Structures, 2006, 84, 2351-2362.	2.4	25

#	Article	IF	Citations
235	Behavior Under Compression and Bending Loads of Multi-Scale High Performance Steel Fiber Reinforced Cement Based Composites. , 2006, , 251-262.		2
236	EXPERIMENTAL AND NUMERICAL ANALYSIS OF UHPFRC PLATES AND SHELLS. , 2006, , 49-58.		2
237	Free, restrained and drying shrinkage of cement mortar composites reinforced with vegetable fibres. Cement and Concrete Composites, 2005, 27, 537-546.	4.6	222
238	Modelling the structural behaviour of a dam affected by alkali-silica reaction. Communications in Numerical Methods in Engineering, 2005, 22, 1-12.	1.3	27
239	Optimization of mass concrete construction using genetic algorithms. Computers and Structures, 2004, 82, 281-299.	2.4	53
240	Development of vegetable fibreâ€“mortar composites of improved durability. Cement and Concrete Composites, 2003, 25, 185-196.	4.6	349
241	Morphology and mechanical properties of unidirectional sisal- epoxy composites. Journal of Applied Polymer Science, 2002, 84, 2358-2365.	1.3	205
242	Morphology and mechanical properties of unidirectional sisalâ€“ epoxy composites. , 2002, 84, 2358.		1
243	Durability of alkali-sensitive sisal and coconut fibres in cement mortar composites. Cement and Concrete Composites, 2000, 22, 127-143.	4.6	369
244	Potencialidades da metacaolinita e do tijolo queimado moÃdo como substitutos parciais do cimento Portland. Revista Brasileira De Engenharia Agricola E Ambiental, 2000, 4, 437-444.	0.4	6
245	THE USE OF SISAL FIBRE AS REINFORCEMENT IN CEMENT BASED COMPOSITES. Revista Brasileira De Engenharia Agricola E Ambiental, 1999, 3, 245-256.	0.4	59
246	A REVIEW ON SISAL FIBER REINFORCED POLYMER COMPOSITES. Revista Brasileira De Engenharia Agricola E Ambiental, 1999, 3, 367-379.	0.4	221
247	Behaviour of composite soil reinforced with natural fibres. Cement and Concrete Composites, 1999, 21, 39-48.	4.6	300
248	Effect of low modulus sisal and polypropylene fibre on the free and restrained shrinkage of mortars at early age. Cement and Concrete Research, 1999, 29, 1597-1604.	4.6	64
249	Effectiveness of Crack Control at Early Age on the Corrosion of Steel Bars in Low Modulus Sisal and Coconut Fibre-Reinforced Mortars. Cement and Concrete Research, 1998, 28, 555-565.	4.6	28
250	COMPORTAMENTO EM COMPRESSÃƒO DE ARGAMASSAS REFORÃ‡ADAS COM FIBRAS NATURAIS. I RELAÃ‡ÃƒO TENSÃƒO-DEFORMAÃ‡ÃƒO EXPERIMENTAL E PROCESSO DE FRATURA. Revista Brasileira De Engenharia Agricola E Ambiental, 1997, 1, 79-88.	0.4	11
251	The Technical Viability of the Reuse of Recycled Concrete Aggregate (RCA) for the Production of Interlocking Concrete Paving. Applied Mechanics and Materials, 0, 433-435, 2134-2140.	0.2	0
252	Effect of Sisal Fiber Hornification on the Fiber-Matrix Bonding Characteristics and Bending Behavior of Cement Based Composites. Key Engineering Materials, 0, 600, 421-432.	0.4	50

#	Article	IF	Citations
253	Influence of Recycled Aggregate on the Rheological Behavior of Cement Mortar. Key Engineering Materials, 0, 600, 297-307.	0.4	11
254	The Influence of Fiber Treatment on the Mechanical Behavior of Jute Textile Reinforced Concrete. Key Engineering Materials, 0, 600, 469-474.	0.4	36
255	Stress-Strain Behavior of Mortar Mixtures Containing Construction and Demolition Waste as Fine Aggregate. Key Engineering Materials, 0, 634, 300-306.	0.4	2
256	Mechanical Behavior of Self-Compacting Soil-Cement-Sisal Fiber Composites. Key Engineering Materials, 0, 634, 421-432.	0.4	9
257	Effect of Natural Fiber Hornification on the Fiber Matrix Interface in Cement Based Composite Systems. Key Engineering Materials, 0, 668, 118-125.	0.4	14
258	A Novel Conceptual Approach for Predicting the Mechanical Properties of Recycled Aggregate Concrete. Applied Mechanics and Materials, 0, 847, 156-165.	0.2	0
259	ConstruÃ§Ã£o com terra no Brasil. PARC: Pesquisa Em Arquitetura E ConstruÃ§Ã£o, 0, 12, e021015.	0.3	1
260	InfluÃªncia de agregados reciclados de concreto na reologia do concreto. , 0, , .		0
261	AvaliaÃ§Ã£o do potencial de mitigaÃ§Ã£o das mudanÃ§as climÃ¡ticas com o uso de colmos de bambu na construÃ§Ã£o civil brasileira. LALCA- Revista Latino Americana Em AvaliaÃ§Ã£o Do Ciclo De Vida, 0, 4, e45188.	0.3	2
262	Mitigation of autogenous shrinkage in high-strength concrete by use of rice husk ashes with distinct porous structures. Advances in Cement Research, 0, , 1-26.	0.7	0
263	Development of GHG Emissions Curves for Bio-Concretes Specification: Case Study for Bamboo, Rice Husk, and Wood Shavings Considering the Context of Different Countries. , 0, , .		0
264	Evaluation of Bio-Based Earth Engineered Mortars for Low Energy and Carbon Buildings in Tropical and Subtropical Climates. , 0, , .		0
265	Physical, Thermal and Microstructural Characterization of Earth Mortars Stabilized with Incorporating Air Additive. , 0, , .		2
266	Environmental Performance of Wood Bioconcretes with Different Wood Shavings Treatments. , 0, , .		0
267	Influence of High Temperatures on the Mechanical Properties of Wood Bio-Concretes. , 0, , .		3
268	Earth-Based Mortars: Mix Design, Mechanical Characterization and Environmental Performance Assessment. , 0, , .		0
269	Durability of Bamboo Bio-Concretes Exposed to Natural Aging. , 0, , .		2
270	Evaluation of GHG Emissions from the Production of Cross-Laminated Timber (CLT): Analysis of Different Life Cycle Inventories. , 0, , .		0