Carlos Mauricio Fontes Vieira

List of Publications by Year in Descending Order

82 papers	885 citations	16 h-index	27 g-index
83 ext. papers	1,099 ext. citations	1.6 avg, IF	5.11 L-index

#	Paper	IF	Citations
82	Incorporation of sludge from effluent treatment plant of an industrial laundry into heavy clay ceramics. *Journal of Building Engineering*, **2021**, 103451	5.2	1
81	Rheological and the Fresh State Properties of Alkali-Activated Mortars by Blast Furnace Slag. *Materials*, **2021**, 14,	3.5	47
80	Circular economy and durability in geopolymers ceramics pieces obtained from glass polishing waste. *International Journal of Applied Ceramic Technology*, **2021**, 18, 1891	2	37
79	Reaction mechanisms of alkali-activated materials. *Revista IBRACON De Estruturas E Materiais*, **2021**, 14,	0.5	30
78	Materials for Production of High and Ultra-High Performance Concrete: Review and Perspective of Possible Novel Materials. *Materials*, **2021**, 14,	3.5	29
77	Use of glass polishing waste in the development of ecological ceramic roof tiles by the geopolymerization process. *International Journal of Applied Ceramic Technology*, **2020**, 17, 2649-2658	2	60
76	Eco-friendly mortars with addition of ornamental stone waste - A mathematical model approach for granulometric optimization. *Journal of Cleaner Production*, **2020**, 248, 119283	10.3	46
75	Evaluation of the application of macrophyte biomass Salvinia auriculata Aublet in red ceramics. *Journal of Environmental Management*, **2020**, 275, 111253	7.9	13
74	Development of ceramic paver with ornamental rock waste. *Journal of Materials Research and Technology*, **2019**, 8, 599-608	5.5	24
73	Incorporation of mold flux waste in red ceramic. *Journal of Materials Research and Technology*, **2019**, 8, 5707-5715	5.5	4
72	Evaluation of Solid Waste From H2S Removal Process in Natural Gas Treatment Incorporated Into Red Ceramic. *Materials Research*, **2019**, 22,	1.5	5
71	Firing Behavior of the Clay Fraction of a Natural Kaolinitic Clay: Are They Different?. *Materials Research*, **2019**, 22,	1.5	4
70	Evaluation of the Effect of the Incorporation of Blends of Fuel and Fluxing Wastes in Red Clay Ceramics. *Materials Research*, **2019**, 22,	1.5	2
69	Incorporation of unserviceable tire waste in red ceramic. *Journal of Materials Research and Technology*, **2019**, 8, 6041-6050	5.5	7
68	Improved clay ceramics incorporated with steelmaking sinter particulates. *Journal of Materials Research and Technology*, **2018**, 7, 612-616	5.5	1
67	Novel Artificial Ornamental Stone Developed with Quarry Waste in Epoxy Composite. *Materials Research*, **2018**, 21,	1.5	12
66	Comparative tensile strength analysis between epoxy composites reinforced with curaua fiber and glass fiber. *Journal of Materials Research and Technology*, **2018**, 7, 561-565	5.5	33

65	Tensile strength of polyester composites reinforced with PALF. *Journal of Materials Research and Technology*, **2017**, 6, 401-405	5.5	30
64	Bending test in epoxy composites reinforced with continuous and aligned PALF fibers. *Journal of Materials Research and Technology*, **2017**, 6, 411-416	5.5	21
63	Reinforcement of Polyester with Renewable Ramie Fibers. *Materials Research*, **2017**, 20, 51-59	1.5	16
62	Thermogravimetric characterization of polyester matrix composites reinforced with eucalyptus fibers. *Journal of Materials Research and Technology*, **2017**, 6, 396-400	5.5	17
61	Fluorescent Lamp Glass Waste Incorporation into Clay Ceramic: A Perfect Solution. *Jom*, **2016**, 68, 2425-2434	2.4	9
60	Incorporation of in Natura and Calcined Red Muds into Clay Ceramic. *Materials Research*, **2015**, 18, 279-282	1.5	12
59	Ballistic Efficiency of an Individual Epoxy Composite Reinforced with Sisal Fibers in Multilayered Armor. *Materials Research*, **2015**, 18, 55-62	1.5	43
58	Development of Epoxy Matrix Artificial Stone Incorporated with Sintering Residue from Steelmaking Industry. *Materials Research*, **2015**, 18, 235-239	1.5	16
57	On the production of fired clay bricks from waste materials: A critical update. *Construction and Building Materials*, **2014**, 68, 599-610	6.7	121
56	Characterization of Clay Brick Incorporated with Ash from the Incineration of Urban Garbage **2014**, 113-120		
55	Characterization of Heavy Clay Ceramic Mixed with Red Mud Waste **2014**, 11-16		
54	Microstructural Analysis of Clay Ceramic Added with Argillite and Grog. *Materials Science Forum*, **2014**, 798-799, 219-223	0.4	3
53	Characterization of a Quartzite Residue and its Application in Red Clay Ceramics. *Materials Science Forum*, **2014**, 805, 541-546	0.4	1
52	Clay Ceramic Incorporated with Granite Waste Obtained from Diamond Multi-Wire Sawing Technology. *Materials Science Forum*, **2014**, 775-776, 648-652	0.4	2
51	Characterization of a Red Mud and a Clay Body for Ceramic Fabrication. *Materials Science Forum*, **2014**, 798-799, 514-519	0.4	4
50	Development of Ceramics Based on Clays from Different Regions in the State of Rio de Janeiro, Brazil. *Materials Science Forum*, **2014**, 805, 530-535	0.4	2
49	Relevance of Ornamental Stone Residues in the Manufacture of Concrete Blocks for Structural Masonry. *Materials Science Forum*, **2014**, 798-799, 638-643	0.4	4
48	Microstructural Analysis of Clay Ceramic Added with Blast Furnace Sludge. *Materials Science Forum*, **2014**, 775-776, 718-723	0.4	2

47	Microstuctural Evaluation of a Clay Ceramic Incorporated with Granite Rejects from Stone Sawing Using Diamond Wire. *Materials Science Forum*, **2014**, 798-799, 251-256	0.4	4
46	Environmental Durability of Soil-Cement Block Incorporated with Ornamental Stone Waste. *Materials Science Forum*, **2014**, 798-799, 548-553	0.4	34
45	Recycling of Benefited Blast Furnace Sludge into Red Clay Ceramic. *Materials Science Forum*, **2014**, 775-776, 607-612	0.4	
44	Study of a Clayey Soil Used in the Fabrication of Red Ceramics in Campos Dos Goytacazes, Brazil. *Materials Science Forum*, **2014**, 798-799, 15-20	0.4	6
43	Influence of Firing Temperature on the Behavior of Clay Ceramics Incorporated with Elephant Grass Ash. *Materials Science Forum*, **2014**, 798-799, 526-531	0.4	1
42	Characterization of a Limestone Powder Residue for Recycling as a Concrete Block Incorporation. *Materials Science Forum*, **2014**, 798-799, 3-8	0.4	5
41	Evaluation of Co and CO2 Emitted in the Firing of Clay Ceramics Incorporated with Elephant Grass Ash. *Materials Science Forum*, **2014**, 798-799, 532-536	0.4	
40	Use of Ash from Coffee Wood into Clayey Ceramic. *Materials Science Forum*, **2014**, 775-776, 712-717	0.4	
39	Effect of Banana Fiber in the Properties of Clayey Ceramic. *Materials Science Forum*, **2014**, 798-799, 229-234	0.4	3
38	Characterization of a Granite Waste for Clay Ceramic Addition. *Materials Science Forum*, **2014**, 775-776, 699-704	0.4	2
37	Properties of Clay Ceramic Incorporated with Red Mud. *Materials Science Forum*, **2014**, 798-799, 509-513	0.4	8
36	Incorporation of Global Blast Furnace Sludge into Clayey Ceramic. *Materials Science Forum*, **2014**, 798-799, 487-491	0.4	1
35	Technical Feasibility of Using Lightweight Concrete with Expanded Polystyrene in Civil Construction. *Materials Science Forum*, **2014**, 798-799, 347-352	0.4	
34	Characterization of a Water Clearing Treatment Residue and Its Application as Clay Ceramic Addition. *Materials Science Forum*, **2014**, 775-776, 642-647	0.4	1
33	Properties of High Temperature Sintered Clay Ceramic Added with Multi-Wire Sawn Granite Waste. *Materials Science Forum*, **2014**, 775-776, 69-74	0.4	2
32	Production of Synthetic Ornamental Marble as a Marble Waste Added Polyester Composite. *Materials Science Forum*, **2014**, 775-776, 341-345	0.4	17
31	Fabrication of Artificial Stone from Marble Residue by Resin Transfer Molding. *Materials Science Forum*, **2014**, 775-776, 336-340	0.4	8
30	Recycling of electric arc furnace dust into red ceramic. *Journal of Materials Research and Technology* , **2013**, 2, 88-92	5.5	34

29	Reformulation of a Kaolinitic Clay Ceramic Body with Sand and Flux Clay for Roofing Tiles Production. *Materials Science Forum*, **2012**, 727-728, 965-970	0.4	11
28	Factorial Design for Experimental Planning of Sludge Waste Incorporated Cement Pavements. *Materials Science Forum*, **2012**, 727-728, 1717-1722	0.4	1
27	Simplex Network Modeling for Press-Molded Ceramic Bodies Incorporated with Granite Waste. *Materials Science Forum*, **2012**, 727-728, 619-624	0.4	10
26	Firing Behaviour of a Clayey Ceramic Body for Rustic Floor Tiles. *Materials Science Forum*, **2012**, 727-728, 959-964	0.4	2
25	Influence of the Granite Waste into a Clayey Ceramic Body for Rustic Wall Tiles. *Materials Science Forum*, **2012**, 727-728, 1057-1062	0.4	12
24	Characterization of Blast Furnace Sludge for Clayey Ceramic Fabrication. *Materials Science Forum*, **2012**, 727-728, 715-720	0.4	3
23	Microstructural Evaluation of Clayey Ceramic Incorporated with Powder Waste from the Sintering Plant of a Steel-Making Industry. *Materials Science Forum*, **2012**, 727-728, 951-956	0.4	5
22	Characterization of Fluorescent Lamp Glass Waste Powders. *Materials Science Forum*, **2012**, 727-728, 1579-1584	0.4	7
21	Use of Ash from the Incineration of Elephant Grass (Pennisetum purpureums shaum) into Clayey Ceramic. *Materials Science Forum*, **2012**, 727-728, 993-998	0.4	7
20	Use of Nepheline-Syenite, Talc and Kaolinitic Clay to Obtain Ceramic Tiles. *Materials Science Forum*, **2010**, 660-661, 675-680	0.4	1
19	Use of Eucalyptus Firewood Ash into Clayey Ceramic. *Materials Science Forum*, **2010**, 660-661, 860-865	0.4	
18	Activation Energy for the Sintering of Clay Based Ceramic Powder. *Materials Science Forum*, **2010**, 660-661, 813-818	0.4	
17	Influence of the Sand Addition on the Processing, Properties and Microstructure of Red Ceramic. *Materials Science Forum*, **2010**, 660-661, 801-806	0.4	7
16	Use of Steel Slag into Clayey Ceramics. *Materials Science Forum*, **2010**, 660-661, 686-691	0.4	1
15	The Role of Particle Shape on the Sintering of Clay Based Ceramics. *Materials Science Forum*, **2010**, 660-661, 88-93	0.4	3
14	Incorporation of Petroleum Coke into Red Ceramic. *Materials Science Forum*, **2010**, 660-661, 681-685	0.4	
13	Characterization of Clays Used in the Fabrication of Traditional Brazilian Ceramic Pans: Culture and Technique. *Materials Science Forum*, **2010**, 660-661, 718-723	0.4	
12	Mineral Constituents of a Clay from Campos dos Goytacazes, Brazil. *Materials Science Forum*, **2008**, 591-593, 477-481	0.4	2

11	Characterization of Granulometric Fractions of Ash from Boiler Burnt Sugarcane Bagasse. *Materials Science Forum*, **2008**, 591-593, 471-476	0.4	0
10	Incorporation of Granite Waste into Vitrified Ceramic Tiles. *Materials Science Forum*, **2006**, 530-531, 467-472	0.4	3
9	Effect of the Particle Size of an Ash from Sugarcane Bagasse in the Properties of Red Ceramics. *Materials Science Forum*, **2006**, 530-531, 538-543	0.4	4
8	Effect of the Particle Size of the Grog on the Properties and Microstructure of Bricks. *Materials Science Forum*, **2006**, 530-531, 438-443	0.4	6
7	Recycling of Steel Sludge into Red Ceramic. *Materials Science Forum*, **2006**, 530-531, 544-549	0.4	10
6	Characterization of Granite Waste for Incorporation in Red Ceramic. *Materials Science Forum*, **2005**, 498-499, 728-733	0.4	2
5	Influence of the Granulometry of Organic Matter Ashes from Municipal Solid Waste on the Properties of Vitrified Ceramics. *Materials Science Forum*, **2005**, 498-499, 552-557	0.4	2
4	Method to Separate Nanometric Particles of Clays. *Journal of Metastable and Nanocrystalline Materials*, **2004**, 20-21, 665-672	0.2	
3	Recycling of Flat Glass Waste into Clayey Ceramic389-394		
2	Recycling of Fluorescent Lamp Glass into Clayey Ceramic1053-1060		1
1	Recycling of Ornamental Rock Waste into Clayey Ceramics1069-1074		1