

Carlos Mauricio Fontes Vieira

List of Publications by Year in descending order

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78
papers

1,288
citations

430442

18
h-index

414034

32
g-index

83
all docs

83
docs citations

83
times ranked

997
citing authors

#	ARTICLE	IF	CITATIONS
1	On the production of fired clay bricks from waste materials: A critical update. <i>Construction and Building Materials</i> , 2014, 68, 599-610.	3.2	154
2	Materials for Production of High and Ultra-High Performance Concrete: Review and Perspective of Possible Novel Materials. <i>Materials</i> , 2021, 14, 4304.	1.3	86
3	Rheological and the Fresh State Properties of Alkali-Activated Mortars by Blast Furnace Slag. <i>Materials</i> , 2021, 14, 2069.	1.3	83
4	Use of glass polishing waste in the development of ecological ceramic roof tiles by the geopolymerization process. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2649-2658.	1.1	82
5	Eco-friendly mortars with addition of ornamental stone waste - A mathematical model approach for granulometric optimization. <i>Journal of Cleaner Production</i> , 2020, 248, 119283.	4.6	67
6	Ballistic Efficiency of an Individual Epoxy Composite Reinforced with Sisal Fibers in Multilayered Armor. <i>Materials Research</i> , 2015, 18, 55-62.	0.6	61
7	Circular economy and durability in geopolymers ceramics pieces obtained from glass polishing waste. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1891-1900.	1.1	61
8	Reaction mechanisms of alkali-activated materials. <i>Revista IBRACON De Estruturas E Materiais</i> , 2021, 14, .	0.3	54
9	Environmental Durability of Soil-Cement Block Incorporated with Ornamental Stone Waste. <i>Materials Science Forum</i> , 0, 798-799, 548-553.	0.3	51
10	Comparative tensile strength analysis between epoxy composites reinforced with curaua fiber and glass fiber. <i>Journal of Materials Research and Technology</i> , 2018, 7, 561-565.	2.6	42
11	Tensile strength of polyester composites reinforced with PALF. <i>Journal of Materials Research and Technology</i> , 2017, 6, 401-405.	2.6	40
12	Recycling of electric arc furnace dust into red ceramic. <i>Journal of Materials Research and Technology</i> , 2013, 2, 88-92.	2.6	38
13	Bending test in epoxy composites reinforced with continuous and aligned PALF fibers. <i>Journal of Materials Research and Technology</i> , 2017, 6, 411-416.	2.6	32
14	Development of ceramic paver with ornamental rock waste. <i>Journal of Materials Research and Technology</i> , 2019, 8, 599-608.	2.6	31
15	Production of Synthetic Ornamental Marble as a Marble Waste Added Polyester Composite. <i>Materials Science Forum</i> , 0, 775-776, 341-345.	0.3	27
16	Reinforcement of Polyester with Renewable Ramie Fibers. <i>Materials Research</i> , 2017, 20, 51-59.	0.6	26
17	Thermogravimetric characterization of polyester matrix composites reinforced with eucalyptus fibers. <i>Journal of Materials Research and Technology</i> , 2017, 6, 396-400.	2.6	25
18	Development of Epoxy Matrix Artificial Stone Incorporated with Sintering Residue from Steelmaking Industry. <i>Materials Research</i> , 2015, 18, 235-239.	0.6	23

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19	Novel Artificial Ornamental Stone Developed with Quarry Waste in Epoxy Composite. <i>Materials Research</i> , 2018, 21, .	0.6	19
20	Evaluation of the application of macrophyte biomass <i>Salvinia auriculata</i> Aublet in red ceramics. <i>Journal of Environmental Management</i> , 2020, 275, 111253.	3.8	18
21	Incorporation of in Natura and Calcined Red Muds into Clay Ceramic. <i>Materials Research</i> , 2015, 18, 279-282.	0.6	17
22	Influence of the Granite Waste into a Clayey Ceramic Body for Rustic Wall Tiles. <i>Materials Science Forum</i> , 0, 727-728, 1057-1062.	0.3	12
23	Reformulation of a Kaolinitic Clay Ceramic Body with Sand and Flux Clay for Roofing Tiles Production. <i>Materials Science Forum</i> , 0, 727-728, 965-970.	0.3	11
24	Simplex Network Modeling for Press-Molded Ceramic Bodies Incorporated with Granite Waste. <i>Materials Science Forum</i> , 0, 727-728, 619-624.	0.3	11
25	Fabrication of Artificial Stone from Marble Residue by Resin Transfer Molding. <i>Materials Science Forum</i> , 0, 775-776, 336-340.	0.3	11
26	Incorporation of unserviceable tire waste in red ceramic. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6041-6050.	2.6	11
27	Recycling of Steel Sludge into Red Ceramic. <i>Materials Science Forum</i> , 2006, 530-531, 544-549.	0.3	10
28	Fluorescent Lamp Glass Waste Incorporation into Clay Ceramic: A Perfect Solution. <i>Jom</i> , 2016, 68, 2425-2434.	0.9	10
29	Incorporation of mold flux waste in red ceramic. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5707-5715.	2.6	10
30	Engineered Stone Produced with Glass Packaging Waste, Quartz Powder, and Epoxy Resin. <i>Sustainability</i> , 2022, 14, 7227.	1.6	10
31	Effect of the Particle Size of the Grog on the Properties and Microstructure of Bricks. <i>Materials Science Forum</i> , 2006, 530-531, 438-443.	0.3	9
32	Properties of Clay Ceramic Incorporated with Red Mud. <i>Materials Science Forum</i> , 0, 798-799, 509-513.	0.3	9
33	Characterization of Fluorescent Lamp Glass Waste Powders. <i>Materials Science Forum</i> , 0, 727-728, 1579-1584.	0.3	8
34	Use of Ash from the Incineration of Elephant Grass (<i>Pennisetum purpureum shaum</i>) into Clayey Ceramic. <i>Materials Science Forum</i> , 0, 727-728, 993-998.	0.3	8
35	Firing Behavior of the Clay Fraction of a Natural Kaolinitic Clay: Are They Different?. <i>Materials Research</i> , 2019, 22, .	0.6	8
36	Influence of the Sand Addition on the Processing, Properties and Microstructure of Red Ceramic. <i>Materials Science Forum</i> , 2010, 660-661, 801-806.	0.3	7

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37	Study of a Clayey Soil Used in the Fabrication of Red Ceramics in Campos Dos Goytacazes, Brazil. Materials Science Forum, 0, 798-799, 15-20.	0.3	7
38	Evaluation of Solid Waste From H2S Removal Process in Natural Gas Treatment Incorporated Into Red Ceramic. Materials Research, 2019, 22, .	0.6	6
39	Microstructural Evaluation of Clayey Ceramic Incorporated with Powder Waste from the Sintering Plant of a Steel-Making Industry. Materials Science Forum, 0, 727-728, 951-956.	0.3	5
40	Characterization of a Red Mud and a Clay Body for Ceramic Fabrication. Materials Science Forum, 0, 798-799, 514-519.	0.3	5
41	Characterization of a Limestone Powder Residue for Recycling as a Concrete Block Incorporation. Materials Science Forum, 0, 798-799, 3-8.	0.3	5
42	Incorporation of Granite Waste into Vitrified Ceramic Tiles. Materials Science Forum, 2006, 530-531, 467-472.	0.3	4
43	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.	0.3	4
44	Microstructural Analysis of Clay Ceramic Added with Argillite and Grog. Materials Science Forum, 2014, 798-799, 219-223.	0.3	4
45	Clay Ceramic Incorporated with Granite Waste Obtained from Diamond Multi-Wire Sawing Technology. Materials Science Forum, 0, 775-776, 648-652.	0.3	4
46	Relevance of Ornamental Stone Residues in the Manufacture of Concrete Blocks for Structural Masonry. Materials Science Forum, 2014, 798-799, 638-643.	0.3	4
47	Microstructural Evaluation of a Clay Ceramic Incorporated with Granite Rejects from Stone Sawing Using Diamond Wire. Materials Science Forum, 2014, 798-799, 251-256.	0.3	4
48	Effect of Banana Fiber in the Properties of Clayey Ceramic. Materials Science Forum, 2014, 798-799, 229-234.	0.3	4
49	Characterization of Granite Waste for Incorporation in Red Ceramic. Materials Science Forum, 2005, 498-499, 728-733.	0.3	3
50	Mineral Constituents of a Clay from Campos dos Goytacazes, Brazil. Materials Science Forum, 0, 591-593, 477-481.	0.3	3
51	The Role of Particle Shape on the Sintering of Clay Based Ceramics. Materials Science Forum, 0, 660-661, 88-93.	0.3	3
52	Characterization of Blast Furnace Sludge for Clayey Ceramic Fabrication. Materials Science Forum, 2012, 727-728, 715-720.	0.3	3
53	Development of Ceramics Based on Clays from Different Regions in the State of Rio de Janeiro, Brazil. Materials Science Forum, 0, 805, 530-535.	0.3	3
54	Characterization of a Granite Waste for Clay Ceramic Addition. Materials Science Forum, 0, 775-776, 699-704.	0.3	3

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55	Improved clay ceramics incorporated with steelmaking sinter particulates. Journal of Materials Research and Technology, 2018, 7, 612-616.	2.6	3
56	Evaluation of the Effect of the Incorporation of Blends of Fuel and Fluxing Wastes in Red Clay Ceramics. Materials Research, 2019, 22, .	0.6	3
57	Incorporation of sludge from effluent treatment plant of an industrial laundry into heavy clay ceramics. Journal of Building Engineering, 2022, 47, 103451.	1.6	3
58	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.	0.3	2
59	Firing Behaviour of a Clayey Ceramic Body for Rustic Floor Tiles. Materials Science Forum, 2012, 727-728, 959-964.	0.3	2
60	Microstructural Analysis of Clay Ceramic Added with Blast Furnace Sludge. Materials Science Forum, 0, 775-776, 718-723.	0.3	2
61	Influence of Firing Temperature on the Behavior of Clay Ceramics Incorporated with Elephant Grass Ash. Materials Science Forum, 2014, 798-799, 526-531.	0.3	2
62	Characterization of a Water Clearing Treatment Residue and Its Application as Clay Ceramic Addition. Materials Science Forum, 0, 775-776, 642-647.	0.3	2
63	Properties of High Temperature Sintered Clay Ceramic Added with Multi-Wire Sawn Granite Waste. Materials Science Forum, 0, 775-776, 69-74.	0.3	2
64	Characterization of Granulometric Fractions of Ash from Boiler Burnt Sugarcane Bagasse. Materials Science Forum, 2008, 591-593, 471-476.	0.3	1
65	Use of Nepheline-Syenite, Talc and Kaolinitic Clay to Obtain Ceramic Tiles. Materials Science Forum, 0, 660-661, 675-680.	0.3	1
66	Use of Steel Slag into Clayey Ceramics. Materials Science Forum, 2010, 660-661, 686-691.	0.3	1
67	Factorial Design for Experimental Planning of Sludge Waste Incorporated Cement Pavements. Materials Science Forum, 0, 727-728, 1717-1722.	0.3	1
68	Characterization of a Quartzite Residue and its Application in Red Clay Ceramics. Materials Science Forum, 0, 805, 541-546.	0.3	1
69	Incorporation of Global Blast Furnace Sludge into Clayey Ceramic. Materials Science Forum, 2014, 798-799, 487-491.	0.3	1
70	Technical Feasibility of Using Lightweight Concrete with Expanded Polystyrene in Civil Construction. Materials Science Forum, 2014, 798-799, 347-352.	0.3	1
71	Method to Separate Nanometric Particles of Clays. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 665-672.	0.1	0
72	Use of Eucalyptus Firewood Ash into Clayey Ceramic. Materials Science Forum, 2010, 660-661, 860-865.	0.3	0

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73	Activation Energy for the Sintering of Clay Based Ceramic Powder. Materials Science Forum, 2010, 660-661, 813-818.	0.3	0
74	Incorporation of Petroleum Coke into Red Ceramic. Materials Science Forum, 2010, 660-661, 681-685.	0.3	0
75	Characterization of Clays Used in the Fabrication of Traditional Brazilian Ceramic Pans: Culture and Technique. Materials Science Forum, 2010, 660-661, 718-723.	0.3	0
76	Recycling of Benefited Blast Furnace Sludge into Red Clay Ceramic. Materials Science Forum, 0, 775-776, 607-612.	0.3	0
77	Evaluation of Co and CO ₂ Emitted in the Firing of Clay Ceramics Incorporated with Elephant Grass Ash. Materials Science Forum, 2014, 798-799, 532-536.	0.3	0
78	Use of Ash from Coffee Wood into Clayey Ceramic. Materials Science Forum, 2014, 775-776, 712-717.	0.3	0