

# Carlos Mauricio Fontes Vieira

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | On the production of fired clay bricks from waste materials: A critical update. <i>Construction and Building Materials</i> , <b>2014</b> , 68, 599-610  | 6.7  | 121       |
| 81 | 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> , <b>2020</b> , 17, 2649-2658 | 2    | 60        |
| 80 | Rheological and the Fresh State Properties of Alkali-Activated Mortars by Blast Furnace Slag. <i>Materials</i> , <b>2021</b> , 14,  | 3.5  | 47        |
| 79 | Eco-friendly mortars with addition of ornamental stone waste - A mathematical model approach for granulometric optimization. <i>Journal of Cleaner Production</i> , <b>2020</b> , 248, 119283               | 10.3 | 46        |
| 78 | Ballistic Efficiency of an Individual Epoxy Composite Reinforced with Sisal Fibers in Multilayered Armor. <i>Materials Research</i> , <b>2015</b> , 18, 55-62   | 1.5  | 43        |
| 77 | Circular economy and durability in geopolymers ceramics pieces obtained from glass polishing waste. <i>International Journal of Applied Ceramic Technology</i> , <b>2021</b> , 18, 1891                     | 2    | 37        |
| 76 | Recycling of electric arc furnace dust into red ceramic. <i>Journal of Materials Research and Technology</i> , <b>2013</b> , 2, 88-92   | 5.5  | 34        |
| 75 | Environmental Durability of Soil-Cement Block Incorporated with Ornamental Stone Waste. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 548-553   | 0.4  | 34        |
| 74 | Comparative tensile strength analysis between epoxy composites reinforced with curaua fiber and glass fiber. <i>Journal of Materials Research and Technology</i> , <b>2018</b> , 7, 561-565                 | 5.5  | 33        |
| 73 | Tensile strength of polyester composites reinforced with PALF. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 401-405   | 5.5  | 30        |
| 72 | Reaction mechanisms of alkali-activated materials. <i>Revista IBRACON De Estruturas E Materiais</i> , <b>2021</b> , 14,   | 0.5  | 30        |
| 71 | Materials for Production of High and Ultra-High Performance Concrete: Review and Perspective of Possible Novel Materials. <i>Materials</i> , <b>2021</b> , 14,  | 3.5  | 29        |
| 70 | Development of ceramic paver with ornamental rock waste. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 599-608   | 5.5  | 24        |
| 69 | Bending test in epoxy composites reinforced with continuous and aligned PALF fibers. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 411-416   | 5.5  | 21        |
| 68 | Thermogravimetric characterization of polyester matrix composites reinforced with eucalyptus fibers. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 396-400                         | 5.5  | 17        |
| 67 | Production of Synthetic Ornamental Marble as a Marble Waste Added Polyester Composite. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 341-345  | 0.4  | 17        |
| 66 | Reinforcement of Polyester with Renewable Ramie Fibers. <i>Materials Research</i> , <b>2017</b> , 20, 51-59   | 1.5  | 16        |

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|----|---|-----|----|
| 65 | Development of Epoxy Matrix Artificial Stone Incorporated with Sintering Residue from Steelmaking Industry. <i>Materials Research</i> , <b>2015</b> , 18, 235-239             | 1.5 | 16 |
| 64 | Evaluation of the application of macrophyte biomass <i>Salvinia auriculata</i> Aublet in red ceramics. <i>Journal of Environmental Management</i> , <b>2020</b> , 275, 111253 | 7.9 | 13 |
| 63 | Incorporation of in Natura and Calcined Red Mud into Clay Ceramic. <i>Materials Research</i> , <b>2015</b> , 18, 279-282  | 0.4 | 12 |
| 62 | Influence of the Granite Waste into a Clayey Ceramic Body for Rustic Wall Tiles. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1057-1062                            | 0.4 | 12 |
| 61 | Novel Artificial Ornamental Stone Developed with Quarry Waste in Epoxy Composite. <i>Materials Research</i> , <b>2018</b> , 21,   | 1.5 | 12 |
| 60 | Reformulation of a Kaolinitic Clay Ceramic Body with Sand and Flux Clay for Roofing Tiles Production. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 965-970         | 0.4 | 11 |
| 59 | Simplex Network Modeling for Press-Molded Ceramic Bodies Incorporated with Granite Waste. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 619-624                     | 0.4 | 10 |
| 58 | Recycling of Steel Sludge into Red Ceramic. <i>Materials Science Forum</i> , <b>2006</b> , 530-531, 544-549   | 0.4 | 10 |
| 57 | Fluorescent Lamp Glass Waste Incorporation into Clay Ceramic: A Perfect Solution. <i>Jom</i> , <b>2016</b> , 68, 2425-2434  | 0.4 | 9  |
| 56 | Properties of Clay Ceramic Incorporated with Red Mud. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 509-513   | 0.4 | 8  |
| 55 | Fabrication of Artificial Stone from Marble Residue by Resin Transfer Molding. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 336-340                                | 0.4 | 8  |
| 54 | Influence of the Sand Addition on the Processing, Properties and Microstructure of Red Ceramic. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 801-806               | 0.4 | 7  |
| 53 | Characterization of Fluorescent Lamp Glass Waste Powders. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1579-1584   | 0.4 | 7  |
| 52 | Use of Ash from the Incineration of Elephant Grass ( <i>Pennisetum purpureum</i> shaum) into Clayey Ceramic. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 993-998  | 0.4 | 7  |
| 51 | Incorporation of unserviceable tire waste in red ceramic. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 6041-6050                                    | 5.5 | 7  |
| 50 | Study of a Clayey Soil Used in the Fabrication of Red Ceramics in Campos Dos Goytacazes, Brazil. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 15-20                | 0.4 | 6  |
| 49 | Effect of the Particle Size of the Grog on the Properties and Microstructure of Bricks. <i>Materials Science Forum</i> , <b>2006</b> , 530-531, 438-443                       | 0.4 | 6  |
| 48 | Characterization of a Limestone Powder Residue for Recycling as a Concrete Block Incorporation. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 3-8                   | 0.4 | 5  |

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| 47 | Microstructural Evaluation of Clayey Ceramic Incorporated with Powder Waste from the Sintering Plant of a Steel-Making Industry. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 951-956 | 0.4 | 5 |
| 46 | Evaluation of Solid Waste From H2S Removal Process in Natural Gas Treatment Incorporated Into Red Ceramic. <i>Materials Research</i> , <b>2019</b> , 22,   | 1.5 | 5 |
| 45 | Incorporation of mold flux waste in red ceramic. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 5707-5715  | 5.5 | 4 |
| 44 | Characterization of a Red Mud and a Clay Body for Ceramic Fabrication. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 514-519   | 0.4 | 4 |
| 43 | Relevance of Ornamental Stone Residues in the Manufacture of Concrete Blocks for Structural Masonry. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 638-643                             | 0.4 | 4 |
| 42 | Microstructural Evaluation of a Clay Ceramic Incorporated with Granite Rejects from Stone Sawing Using Diamond Wire. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 251-256             | 0.4 | 4 |
| 41 | Effect of the Particle Size of an Ash from Sugarcane Bagasse in the Properties of Red Ceramics. <i>Materials Science Forum</i> , <b>2006</b> , 530-531, 538-543                                  | 0.4 | 4 |
| 40 | Firing Behavior of the Clay Fraction of a Natural Kaolinitic Clay: Are They Different?. <i>Materials Research</i> , <b>2019</b> , 22,  | 1.5 | 4 |
| 39 | Microstructural Analysis of Clay Ceramic Added with Argillite and Grog. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 219-223  | 0.4 | 3 |
| 38 | Effect of Banana Fiber in the Properties of Clayey Ceramic. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 229-234  | 0.4 | 3 |
| 37 | The Role of Particle Shape on the Sintering of Clay Based Ceramics. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 88-93  | 0.4 | 3 |
| 36 | Characterization of Blast Furnace Sludge for Clayey Ceramic Fabrication. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 715-720   | 0.4 | 3 |
| 35 | Incorporation of Granite Waste into Vitriified Ceramic Tiles. <i>Materials Science Forum</i> , <b>2006</b> , 530-531, 467-472  | 0.4 | 3 |
| 34 | Clay Ceramic Incorporated with Granite Waste Obtained from Diamond Multi-Wire Sawing Technology. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 648-652                                 | 0.4 | 2 |
| 33 | Development of Ceramics Based on Clays from Different Regions in the State of Rio de Janeiro, Brazil. <i>Materials Science Forum</i> , <b>2014</b> , 805, 530-535                                | 0.4 | 2 |
| 32 | Microstructural Analysis of Clay Ceramic Added with Blast Furnace Sludge. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 718-723  | 0.4 | 2 |
| 31 | Characterization of a Granite Waste for Clay Ceramic Addition. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 699-704   | 0.4 | 2 |
| 30 | Properties of High Temperature Sintered Clay Ceramic Added with Multi-Wire Sawn Granite Waste. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 69-74                                     | 0.4 | 2 |

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|----|---|-----|---------------|
| 29 | Firing Behaviour of a Clayey Ceramic Body for Rustic Floor Tiles. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 959-964   | 0.4 | 2             |
| 28 | Mineral Constituents of a Clay from Campos dos Goytacazes, Brazil. <i>Materials Science Forum</i> , <b>2008</b> , 591-593, 477-481  | 0.4 | 2             |
| 27 | Characterization of Granite Waste for Incorporation in Red Ceramic. <i>Materials Science Forum</i> , <b>2005</b> , 498-499, 728-733   | 0.4 | 2             |
| 26 | Influence of the Granulometry of Organic Matter Ashes from Municipal Solid Waste on the Properties of Vitrified Ceramics. <i>Materials Science Forum</i> , <b>2005</b> , 498-499, 552-557 | 0.4 | 2             |
| 25 | Evaluation of the Effect of the Incorporation of Blends of Fuel and Fluxing Wastes in Red Clay Ceramics. <i>Materials Research</i> , <b>2019</b> , 22,                                    | 1.5 | 2             |
| 24 | Characterization of a Quartzite Residue and its Application in Red Clay Ceramics. <i>Materials Science Forum</i> , <b>2014</b> , 805, 541-546   | 0.4 | 1             |
| 23 | Influence of Firing Temperature on the Behavior of Clay Ceramics Incorporated with Elephant Grass Ash. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 526-531                    | 0.4 | 1             |
| 22 | Incorporation of Global Blast Furnace Sludge into Clayey Ceramic. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 487-491   | 0.4 | 1             |
| 21 | Characterization of a Water Clearing Treatment Residue and Its Application as Clay Ceramic Addition. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 642-647                      | 0.4 | 1             |
| 20 | Use of Nepheline-Syenite, Talc and Kaolinitic Clay to Obtain Ceramic Tiles. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 675-680   | 0.4 | 1             |
| 19 | Use of Steel Slag into Clayey Ceramics. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 686-691   | 0.4 | 1             |
| 18 | Factorial Design for Experimental Planning of Sludge Waste Incorporated Cement Pavements. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1717-1722                               | 0.4 | 1             |
| 17 | Incorporation of sludge from effluent treatment plant of an industrial laundry into heavy clay ceramics. <i>Journal of Building Engineering</i> , <b>2021</b> , 103451                    | 5.2 | 1             |
| 16 | Improved clay ceramics incorporated with steelmaking sinter particulates. <i>Journal of Materials Research and Technology</i> , <b>2018</b> , 7, 612-616                                  | 5.5 | 1             |
| 15 | Recycling of Fluorescent Lamp Glass into Clayey Ceramic   |     | 1             |
| 14 | Recycling of Ornamental Rock Waste into Clayey Ceramics   |     | 1             |
| 13 | Characterization of Granulometric Fractions of Ash from Boiler Burnt Sugarcane Bagasse. <i>Materials Science Forum</i> , <b>2008</b> , 591-593, 471-476                                   | 0.4 | 0             |
| 12 | Characterization of Clay Brick Incorporated with Ash from the Incineration of Urban Garbage   |     | 2014, 113-120 |

11 Characterization of Heavy Clay Ceramic Mixed with Red Mud Waste **2014**, 11-16

10 Recycling of Benefited Blast Furnace Sludge into Red Clay Ceramic. *Materials Science Forum*, **2014**, 775-776, 607-612 0.4

9 Evaluation of Co and CO<sub>2</sub> Emitted in the Firing of Clay Ceramics Incorporated with Elephant Grass Ash. *Materials Science Forum*, **2014**, 798-799, 532-536 0.4

8 Use of Ash from Coffee Wood into Clayey Ceramic. *Materials Science Forum*, **2014**, 775-776, 712-717 0.4

7 Technical Feasibility of Using Lightweight Concrete with Expanded Polystyrene in Civil Construction. *Materials Science Forum*, **2014**, 798-799, 347-352 0.4

6 Use of Eucalyptus Firewood Ash into Clayey Ceramic. *Materials Science Forum*, **2010**, 660-661, 860-865 0.4

5 Activation Energy for the Sintering of Clay Based Ceramic Powder. *Materials Science Forum*, **2010**, 660-661, 813-818 0.4

4 Incorporation of Petroleum Coke into Red Ceramic. *Materials Science Forum*, **2010**, 660-661, 681-685 0.4

3 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

2 Method to Separate Nanometric Particles of Clays. *Journal of Metastable and Nanocrystalline Materials*, **2004**, 20-21, 665-672 0.2

1 Recycling of Flat Glass Waste into Clayey Ceramic 389-394