

# Wilson Wa Acchar

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

371  
citations

840585

11  
h-index

839398

18  
g-index

68  
all docs

68  
docs citations

68  
times ranked

462  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Using ornamental stone cutting rejects as raw materials for red clay ceramic products: Properties and microstructure development. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 435-436, 606-610. | 2.6 | 44        |
| 2  | 3D printing of porcelain by layerwise slurry deposition. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3395-3400.  | 2.8 | 43        |
| 3  | Laminated object manufacturing of LZSA glass-ceramics. <i>Rapid Prototyping Journal</i> , 2011, 17, 424-428.  | 1.6 | 36        |
| 4  | Mechanical performance of alumina reinforced with NbC, TiC and WC. <i>Materials Research</i> , 2012, 15, 821-824.   | 0.6 | 20        |
| 5  | The influence of (Ti,W)C and NbC on the mechanical behavior of alumina. <i>Materials Research</i> , 2006, 9, 171-174.   | 0.6 | 19        |
| 6  | Mechanical properties of hot-pressed ZrO <sub>2</sub> reinforced with (W,Ti)C and Al <sub>2</sub> O <sub>3</sub> additions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 480-484.           | 2.6 | 19        |
| 7  | Characterization of palygorskite clay from Piau, Brazil and its potential use as excipient for solid dosage forms containing anti-tuberculosis drugs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 551-558.  | 2.0 | 19        |
| 8  | Sintering behavior of alumina reinforced with (Ti, W)carbides. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 371, 382-387.  | 2.6 | 15        |
| 9  | Incorporation of ceramic waste into binary and ternary soil-cement formulations for the production of solid bricks. <i>Materials Research</i> , 2014, 17, 326-331.  | 0.6 | 15        |
| 10 | Microstructure of alumina reinforced with tungsten carbide. <i>Journal of Materials Science</i> , 2006, 41, 3299-3302.  | 1.7 | 14        |
| 11 | Microstructure and mechanical properties of WC-Co reinforced with NbC. <i>Materials Research</i> , 2004, 7, 445-450.  | 0.6 | 13        |
| 12 | Effect of tungsten carbide additions on the microstructure and properties of hot-pressed alumina. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 406, 74-77.                                       | 2.6 | 12        |
| 13 | Processing and properties of tape-cast alumina/zirconia laminates composites. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3462-3465.   | 2.8 | 9         |
| 14 | Palygorskite sheets prepared via tape casting for wound healing applications. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 320-326.   | 1.1 | 9         |
| 15 | Interfacial Properties and Bottom/Top Hardness Ratio Produced by Bulk Fill Composites in Dentin Cavities. <i>Brazilian Dental Journal</i> , 2019, 30, 476-483.  | 0.5 | 7         |
| 16 | Production of niobium carbide ceramic composites derived from polymer/filler mixtures: preliminary results. <i>International Journal of Refractory Metals and Hard Materials</i> , 2001, 19, 405-408.   | 1.7 | 6         |
| 17 | Silver Nanoparticle Surface Functionalized Alumina Filters for Disinfection of Potable Water. <i>Materials Today: Proceedings</i> , 2015, 2, 321-330.   | 0.9 | 6         |
| 18 | Bactericidal Potential of Titania and Silver Nano Powders Deposited in Porous Ceramic Substrates for Low-power Water Purification Reactors. <i>Materials Today: Proceedings</i> , 2015, 2, 242-245.   | 0.9 | 6         |

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|----|--|-----|-----------|
| 19 | Nano-structured alumina reinforced with NbC. <i>Composite Structures</i> , 2019, 225, 111109.  | 3.1 | 6         |
| 20 | LaCrO <sub>3</sub> composite coatings for AISI 444 stainless steel solid oxide fuel cell interconnects. <i>Materials Research</i> , 2012, 15, 1064-1069.   | 0.6 | 4         |
| 21 | Structural and magnetic behavior of zirconia-magnetic particles and zirconia-graphene composite ceramics. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5711-5718.                         | 1.9 | 4         |
| 22 | TEM study of a hot-pressed Al <sub>2</sub> O <sub>3</sub> -NbC composite material. <i>Materials Research</i> , 2005, 8, 109-112.   | 0.6 | 4         |
| 23 | Surface characterization of alumina reinforced with niobium carbide obtained by polymer precursor. <i>Materials Research</i> , 2006, 9, 271-274.   | 0.6 | 3         |
| 24 | Mechanical properties of a lithium glass-ceramic matrix (LZSA) reinforced with TiC or (W,Ti)C particles: A preliminary study. <i>Composite Structures</i> , 2010, 92, 707-711.                           | 3.1 | 3         |
| 25 | Rice Husk Ash Impregnated with Silver Nanoparticles for Water Purification. <i>Materials Science Forum</i> , 2014, 798-799, 727-731.   | 0.3 | 3         |
| 26 | Study of Influence of Replacement Waste Oil Well Drilling Fluid in the Standard Mass of a Ceramic Industry in Salfo Gonçalo do Amarante/RN, Brazil. <i>Materials Science Forum</i> , 2016, 881, 416-421. | 0.3 | 3         |
| 27 | Fabrication and characterization of nano-zirconia produced by aqueous-based tape casting. <i>Materials Today: Proceedings</i> , 2017, 4, 11506-11511.  | 0.9 | 3         |
| 28 | Mechanical Characterization of Alumina-Doped Tungsten Carbide. <i>Materials Science Forum</i> , 2003, 416-418, 616-620.  | 0.3 | 2         |
| 29 | Ceramic Composites Derived from Nb/Al <sub>2</sub> O <sub>3</sub> -Filled Polysilsesquioxane. <i>Materials Science Forum</i> , 2005, 498-499, 369-374.   | 0.3 | 2         |
| 30 | Using lithium glass infiltration to enhance the properties of alumina bodies. <i>Materials Research</i> , 2008, 11, 439-442.   | 0.6 | 2         |
| 31 | Production of Hydroxyapatite/Polyhydroxibutirate Based Composites for Biomaterials Applications. <i>Materials Science Forum</i> , 2015, 820, 309-314.  | 0.3 | 2         |
| 32 | Study of the Sintering Dental Ceramic Waste from ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> System. <i>Materials Science Forum</i> , 0, 881, 392-397.   | 0.3 | 2         |
| 33 | Use of Sugarcane Bagasse Ashes as Raw Material in the Replacement of Fluxes for Applications on Porcelain Tile. <i>Materials Science Forum</i> , 0, 881, 383-386.  | 0.3 | 2         |
| 34 | Incorporating sugarcane bagasse ash into Al <sub>2</sub> O <sub>3</sub> ceramic tapes. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 213-220.                                   | 1.1 | 2         |
| 35 | Mechanical performance and healing process improvement of cement-coir pith particle composites by accelerated carbonation. <i>Revista Materia</i> , 2020, 25, .  | 0.1 | 2         |
| 36 | Using Sugar Cane Bagasse Ash Into Clay Products. <i>Journal of Solid Waste Technology and Management</i> , 2012, 38, 5-10.   | 0.2 | 2         |

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|----|---|-----|-----------|
| 37 | Sintering Behavior of Alumina-Niobium Carbide Ceramics from Polymer-Filler Mixtures. Materials Science Forum, 2003, 416-418, 499-504.   | 0.3 | 1         |
| 38 | Incorporation of Fired Ceramic Waste into Binary and Ternary Earth-Binder (S) Mixtures for Compressed Blocks. Materials Science Forum, 2014, 798-799, 498-502.  | 0.3 | 1         |
| 39 | Effect of the Mg<sup>2</sup></sup></sup>+</sup> Substitution on the Sintering Behavior and Compressive Strength of Doped $\text{TiO}_2$ -TCP/PP Ceramics. Materials Science Forum, 0, 798-799, 466-471.               | 0.3 | 1         |
| 40 | Feasibility Study of Zirconia Waste Recycling Obtained during the Machining of Single and Multiple Dental Prosthesis. Materials Science Forum, 0, 881, 387-391.   | 0.3 | 1         |
| 41 | Rheological Characterization of Aqueous $\text{ZrO}_2$ -Suspension for Additive Manufacturing. Materials Science Forum, 2016, 881, 195-199.   | 0.3 | 1         |
| 42 | Synthesis and Characterization of $\text{LaCr}_{1-x}\text{Sn}_x\text{O}_3$ Nanopowders (x) Tj ETQq0,0,0 rgBT /Overlock 1  | 0.3 | 1         |
| 43 | AvaliaÃ§Ã£o do potencial do resÃ¡duo cerÃ¡mico (RC) nas propriedades tecnolÃ³gicas de tijolos de solo-aglomerante (s). Revista Principia, 2021, 1, 119.   | 0.1 | 1         |
| 44 | Using Oil Drilling Waste and Sugarcane Bags Ash in Soil-Cement Formulations. SpringerBriefs in Applied Sciences and Technology, 2016, , 45-61.  | 0.2 | 1         |
| 45 | Second-Generation Aluminium Extraction Residue Used as Devitrification Aid for Glass-Ceramics. Materials Science Forum, 2008, 587-588, 773-777.   | 0.3 | 0         |
| 46 | Scientific Investigation of Failures in Automotive Systems: Technical Report in Judicial Causes. , 2008, , .  |     | 0         |
| 47 | The Influence of the Milling Environment on the Structure of a W-Cu Composite. Materials Science Forum, 0, 660-661, 353-359.  | 0.3 | 0         |
| 48 | Analysis of the Mechanical Behavior of Ceramic Filters of the Systems $\text{Al}_2\text{O}_3$ -LZSA and $\text{Al}_2\text{O}_3$ -SiC. Materials Science Forum, 2014, 798-799, 707-712.                                | 0.3 | 0         |
| 49 | Evaluation of the Thermomechanical Behavior of Metallic Interconnectors Coated with a Film of $\text{La}_{0,8}\text{Ca}_{0,2}\text{Cr}_3$ of Solid Oxide Fuel Cells (SOFC). Materials Science Forum, 0, 820, 244-249. | 0.3 | 0         |
| 50 | Influence of Sintering Conditions on Microstructural and Mechanical Properties of an Yttria Partially Stabilized Zirconia. Materials Science Forum, 2016, 881, 143-146.   | 0.3 | 0         |
| 51 | Study of the Substitution of Natural Fine Aggregates by Stone Dust in the Concrete of the Portland Cement. Materials Science Forum, 2016, 881, 331-335.   | 0.3 | 0         |
| 52 | Ni-GDC Nanocomposite Material Prepared by Aqueous Based Tape Casting. Materials Science Forum, 2018, 912, 93-96.  | 0.3 | 0         |
| 53 | Study of NiO-GDC material produced by aqueous tape casting. Revista Materia, 2018, 22, .  | 0.1 | 0         |
| 54 | Nano-structured Alumina-ZrO <sub>2</sub> ceramic laminates. Revista Materia, 2019, 24, .  | 0.1 | 0         |

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|----|---|-----|-----------|
| 55 | Adição conjunta do resíduo de cerâmica vermelha e da cinza do bagaço da cana-de-açúcar na produção de tijolos ecológicos. Revista Principia, 0, , . | 0.1 | 0         |
| 56 | Obtenção e caracterização de fitas cerâmicas de NiO-CDG obtidos por tape casting. Revista Principia, 0, , .   | 0.1 | 0         |
| 57 | Alumina-NbC composites fabricated by spark plasma sintering. Revista Principia, 2021, 1, 203.   | 0.1 | 0         |
| 58 | Solid Waste Materials. SpringerBriefs in Applied Sciences and Technology, 2016, , 15-27.  | 0.2 | 0         |
| 59 | Soil-Cement Bricks. SpringerBriefs in Applied Sciences and Technology, 2016, , 5-13.  | 0.2 | 0         |
| 60 | Ecological bricks produced from scheelite residue, stone powder and cassava wastewater for non-structural masonry. Revista Principia, 0, , .        | 0.1 | 0         |
| 61 | Uso de biopolímeros em pastas de cimento: revisão sistemática da literatura.. Revista Principia, 0, , .   | 0.1 | 0         |
| 62 | Effect of the addition of glasses as sintering aids on microstructure and properties of nanoalumina. Revista Materia, 2020, 25, .                   | 0.1 | 0         |