

Felipe Gutierrez-Mora

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

611
citations

516215

16
h-index

642321

23
g-index

40
all docs

40
docs citations

40
times ranked

555
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Solid-particle erosion of a geopolymer containing fly ash and blast-furnace slag. <i>Wear</i> , 2004, 256, 714-719. | 1.5 | 41 |
| 2 | Joining of yttria-tetragonal stabilized zirconia polycrystals using nanocrystals. <i>Scripta Materialia</i> , 1999, 41, 455-460. | 2.6 | 36 |
| 3 | High-temperature mechanical properties of anode-supported bilayers. <i>Solid State Ionics</i> , 2002, 149, 177-184. | 1.3 | 34 |
| 4 | Friction and wear behavior of alumina-based graphene and CNFs composites. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3805-3812. | 2.8 | 31 |
| 5 | Influence of internal stresses in superplastic joining of zirconia toughened alumina. <i>Acta Materialia</i> , 2002, 50, 3475-3486. | 3.8 | 30 |
| 6 | Creep of nanocrystalline Y-SZP ceramics. <i>Scripta Materialia</i> , 1999, 11, 531-537. | 0.5 | 29 |
| 7 | Joining alumina/zirconia ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 341, 158-162. | 2.6 | 29 |
| 8 | High-temperature deformation of amorphous AlPO ₄ -based nano-composites. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1179-1183. | 2.8 | 29 |
| 9 | Effect of high SWNT content on the room temperature mechanical properties of fully dense 3YTZP/SWNT composites. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1571-1579. | 2.8 | 26 |
| 10 | Effect of layer interfaces on the high-temperature mechanical properties of alumina/zirconia laminate composites. <i>Acta Materialia</i> , 2000, 48, 4715-4720. | 3.8 | 22 |
| 11 | Current understanding of superplastic deformation of Y-TZP and its application to joining. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 302, 154-161. | 2.6 | 21 |
| 12 | Indentation hardness of biomorphic SiC. <i>International Journal of Refractory Metals and Hard Materials</i> , 2005, 23, 369-374. | 1.7 | 20 |
| 13 | Tribological behavior of graphene nanoplatelet reinforced 3YTZP composites. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1381-1388. | 2.8 | 20 |
| 14 | High-temperature deformation behavior in SrTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3377-3384. | 2.8 | 19 |
| 15 | Self-joining of zirconia/hydroxyapatite composites using plastic deformation process. <i>Acta Biomaterialia</i> , 2006, 2, 669-675. | 4.1 | 18 |
| 16 | Erosion and strength degradation of biomorphic SiC. <i>Journal of the European Ceramic Society</i> , 2004, 24, 861-870. | 2.8 | 17 |
| 17 | Dry and oil-lubricated sliding wear of Si ₃ N ₄ and Si ₃ N ₄ /BN fibrous monoliths. <i>Tribology Letters</i> , 2005, 18, 231-237. | 1.2 | 15 |
| 18 | The role of carbon nanotubes on the stability of tetragonal zirconia polycrystals. <i>Ceramics International</i> , 2018, 44, 17716-17723. | 2.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Erosion of geopolymers made from industrial waste. <i>Journal of Materials Science</i> , 2007, 42, 3066-3072. | 1.7 | 14 |
| 20 | Microstructural characterization and tribological behavior of Laser Furnace processed ceramic tiles. <i>Ceramics International</i> , 2018, 44, 6997-7005. | 2.3 | 14 |
| 21 | Fracture of composite alumina/yttria-stabilized zirconia joints. <i>Journal of the European Ceramic Society</i> , 2006, 26, 961-965. | 2.8 | 12 |
| 22 | Synthesis of mullite powders by acrylamide polymerization. <i>Journal of Materials Science Letters</i> , 2001, 20, 1639-1641. | 0.5 | 11 |
| 23 | Plasticity of nanocrystalline yttria-stabilized tetragonal zirconia polycrystals. <i>Journal of the European Ceramic Society</i> , 2002, 22, 2615-2620. | 2.8 | 11 |
| 24 | Plastic Deformation of Hydroxyapatites and Its Application to Joining. <i>International Journal of Applied Ceramic Technology</i> , 2005, 2, 247-255. | 1.1 | 11 |
| 25 | Influence of microstructure and crystallographic phases on the tribological properties of SiC obtained by spark plasma sintering. <i>Wear</i> , 2014, 309, 29-34. | 1.5 | 11 |
| 26 | Experimental Assessment of Plasticity of Nanocrystalline 1.7 mol% Yttria Tetragonal Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1529-1535. | 1.9 | 10 |
| 27 | Solid-particle erosion and strength degradation of Si ₃ N ₄ /BN fibrous monoliths. <i>Wear</i> , 2004, 256, 233-242. | 1.5 | 9 |
| 28 | Joining particulate and whisker ceramic composites by plastic flow. <i>Composite Structures</i> , 2002, 57, 135-139. | 3.1 | 8 |
| 29 | Processing and mechanical properties of materials in the Hf-N system. <i>Journal of the European Ceramic Society</i> , 2002, 22, 2571-2576. | 2.8 | 7 |
| 30 | Si ₃ N ₄ /BN fibrous monoliths: Mechanical properties and tribological responses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 412, 146-152. | 2.6 | 7 |
| 31 | Microstructure and properties of ceramics and composites joined by plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 498, 12-18. | 2.6 | 6 |
| 32 | Joining advanced ceramics by plastic flow. <i>Ceramics International</i> , 2004, 30, 1945-1948. | 2.3 | 5 |
| 33 | Influence of Thermal Effects Produced by Laser Treatment on the Tribological Behavior of Porcelain Ceramic Tiles. <i>Key Engineering Materials</i> , 0, 423, 41-46. | 0.4 | 5 |
| 34 | Critical Influence of the Processing Route on the Mechanical Properties of Zirconia Composites with Graphene Nanoplatelets. <i>Materials</i> , 2021, 14, 108. | 1.3 | 5 |
| 35 | Electrical Characterization of a Joined Electroceramic, La _{0.85} Sr _{0.15} MnO ₃ . <i>Journal of the American Ceramic Society</i> , 2002, 85, 2370-2372. | 1.9 | 4 |
| 36 | A general law for liquid metal-onto-ceramic wetting: An electrostatic approach. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3307-3310. | 2.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Effect of acid-treatment and colloidal-processing conditions on the room temperature mechanical and electrical properties of 3YTZP/MWNT ceramic nanocomposites. <i>Ceramics International</i> , 2017, 43, 16560-16568. | 2.3 | 3 |
| 38 | Comparación del comportamiento mecánico a altas temperaturas entre nanocerámicos de Y-TZP y materiales submicrométricos. <i>Revista De Metalurgia</i> , 2001, 37, 281-284. | 0.1 | 0 |