

Felipe Gutierrez-Mora

List of Publications by Year in descending order

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38
papers

611
citations

516710

16
h-index

642732

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.	3.1	41
2	Joining of yttria-tetragonal stabilized zirconia polycrystals using nanocrystals. <i>Scripta Materialia</i> , 1999, 41, 455-460.	5.2	36
3	High-temperature mechanical properties of anode-supported bilayers. <i>Solid State Ionics</i> , 2002, 149, 177-184.	2.7	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.	5.7	31
5	Influence of internal stresses in superplastic joining of zirconia toughened alumina. <i>Acta Materialia</i> , 2002, 50, 3475-3486.	7.9	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.	5.6	29
8	High-temperature deformation of amorphous AlPO ₄ -based nano-composites. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1179-1183.	5.7	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.	5.7	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.	7.9	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.	5.6	21
12	Indentation hardness of biomorphic SiC. <i>International Journal of Refractory Metals and Hard Materials</i> , 2005, 23, 369-374.	3.8	20
13	Tribological behavior of graphene nanoplatelet reinforced 3YTZP composites. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1381-1388.	5.7	20
14	High-temperature deformation behavior in SrTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3377-3384.	5.7	19
15	Self-joining of zirconia/hydroxyapatite composites using plastic deformation process. <i>Acta Biomaterialia</i> , 2006, 2, 669-675.	8.3	18
16	Erosion and strength degradation of biomorphic SiC. <i>Journal of the European Ceramic Society</i> , 2004, 24, 861-870.	5.7	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.	2.6	15
18	The role of carbon nanotubes on the stability of tetragonal zirconia polycrystals. <i>Ceramics International</i> , 2018, 44, 17716-17723.	4.8	15

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19	Erosion of geopolymers made from industrial waste. Journal of Materials Science, 2007, 42, 3066-3072.	3.7	14
20	Microstructural characterization and tribological behavior of Laser Furnace processed ceramic tiles. Ceramics International, 2018, 44, 6997-7005.	4.8	14
21	Fracture of composite alumina/yttria-stabilized zirconia joints. Journal of the European Ceramic Society, 2006, 26, 961-965.	5.7	12
22	Synthesis of mullite powders by acrylamide polymerization. Journal of Materials Science Letters, 2001, 20, 1639-1641.	0.5	11
23	Plasticity of nanocrystalline yttria-stabilized tetragonal zirconia polycrystals. Journal of the European Ceramic Society, 2002, 22, 2615-2620.	5.7	11
24	Plastic Deformation of Hydroxyapatites and Its Application to Joining. International Journal of Applied Ceramic Technology, 2005, 2, 247-255.	2.1	11
25	Influence of microstructure and crystallographic phases on the tribological properties of SiC obtained by spark plasma sintering. Wear, 2014, 309, 29-34.	3.1	11
26	Experimental Assessment of Plasticity of Nanocrystalline 1.7 mol% Yttria Tetragonal Zirconia Polycrystals. Journal of the American Ceramic Society, 2005, 88, 1529-1535.	3.8	10
27	Solid-particle erosion and strength degradation of Si ₃ N ₄ /BN fibrous monoliths. Wear, 2004, 256, 233-242.	3.1	9
28	Joining particulate and whisker ceramic composites by plastic flow. Composite Structures, 2002, 57, 135-139.	5.8	8
29	Processing and mechanical properties of materials in the Hf-N system. Journal of the European Ceramic Society, 2002, 22, 2571-2576.	5.7	7
30	Si ₃ N ₄ /BN fibrous monoliths: Mechanical properties and tribological responses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 412, 146-152.	5.6	7
31	Microstructure and properties of ceramics and composites joined by plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 498, 12-18.	5.6	6
32	Joining advanced ceramics by plastic flow. Ceramics International, 2004, 30, 1945-1948.	4.8	5
33	Influence of Thermal Effects Produced by Laser Treatment on the Tribological Behavior of Porcelain Ceramic Tiles. Key Engineering Materials, 0, 423, 41-46.	0.4	5
34	Critical Influence of the Processing Route on the Mechanical Properties of Zirconia Composites with Graphene Nanoplatelets. Materials, 2021, 14, 108.	2.9	5
35	Electrical Characterization of a Joined Electroceramic, La _{0.85} Sr _{0.15} MnO ₃ . Journal of the American Ceramic Society, 2002, 85, 2370-2372.	3.8	4
36	A general law for liquid metal-onto-ceramic wetting: An electrostatic approach. Journal of the European Ceramic Society, 2007, 27, 3307-3310.	5.7	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.	4.8	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.	0.5	0