

Felipe Gutierrez-Mora

List of Publications by Year in descending order

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38
papers

611
citations

516561

16
h-index

642610

23
g-index

40
all docs

40
docs citations

40
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Tribological behavior of graphene nanoplatelet reinforced 3YTZP composites. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1381-1388.	2.8	20
3	Microstructural characterization and tribological behavior of Laser Furnace processed ceramic tiles. <i>Ceramics International</i> , 2018, 44, 6997-7005.	2.3	14
4	The role of carbon nanotubes on the stability of tetragonal zirconia polycrystals. <i>Ceramics International</i> , 2018, 44, 17716-17723.	2.3	15
5	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
6	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
7	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
8	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
9	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
10	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
11	High-temperature deformation behavior in SrTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3377-3384.	2.8	19
12	Erosion of geopolymers made from industrial waste. <i>Journal of Materials Science</i> , 2007, 42, 3066-3072.	1.7	14
13	Self-joining of zirconia/hydroxyapatite composites using plastic deformation process. <i>Acta Biomaterialia</i> , 2006, 2, 669-675.	4.1	18
14	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
15	Fracture of composite alumina/yttria-stabilized zirconia joints. <i>Journal of the European Ceramic Society</i> , 2006, 26, 961-965.	2.8	12
16	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
17	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
18	Plastic Deformation of Hydroxyapatites and Its Application to Joining. <i>International Journal of Applied Ceramic Technology</i> , 2005, 2, 247-255.	1.1	11

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19	Indentation hardness of biomorphic SiC. International Journal of Refractory Metals and Hard Materials, 2005, 23, 369-374.	1.7	20
20	Dry and oil-lubricated sliding wear of Si ₃ N ₄ and Si ₃ N ₄ /BN fibrous monoliths. Tribology Letters, 2005, 18, 231-237.	1.2	15
21	Solid-particle erosion of a geopolymer containing fly ash and blast-furnace slag. Wear, 2004, 256, 714-719.	1.5	41
22	Erosion and strength degradation of biomorphic SiC. Journal of the European Ceramic Society, 2004, 24, 861-870.	2.8	17
23	Solid-particle erosion and strength degradation of Si ₃ N ₄ /BN fibrous monoliths. Wear, 2004, 256, 233-242.	1.5	9
24	Joining advanced ceramics by plastic flow. Ceramics International, 2004, 30, 1945-1948.	2.3	5
25	Joining alumina/zirconia ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 341, 158-162.	2.6	29
26	Influence of internal stresses in superplastic joining of zirconia toughened alumina. Acta Materialia, 2002, 50, 3475-3486.	3.8	30
27	Processing and mechanical properties of materials in the Hf-N system. Journal of the European Ceramic Society, 2002, 22, 2571-2576.	2.8	7
28	Plasticity of nanocrystalline yttria-stabilized tetragonal zirconia polycrystals. Journal of the European Ceramic Society, 2002, 22, 2615-2620.	2.8	11
29	Joining particulate and whisker ceramic composites by plastic flow. Composite Structures, 2002, 57, 135-139.	3.1	8
30	Electrical Characterization of a Joined Electroceramic, La _{0.85} Sr _{0.15} MnO ₃ . Journal of the American Ceramic Society, 2002, 85, 2370-2372.	1.9	4
31	High-temperature mechanical properties of anode-supported bilayers. Solid State Ionics, 2002, 149, 177-184.	1.3	34
32	Synthesis of mullite powders by acrylamide polymerization. Journal of Materials Science Letters, 2001, 20, 1639-1641.	0.5	11
33	Current understanding of superplastic deformation of Y-TZP and its application to joining. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 302, 154-161.	2.6	21
34	Comparación del comportamiento mecánico a altas temperaturas entre nanocerámicos de Y-TZP y materiales submicrométricos. Revista De Metalurgia, 2001, 37, 281-284.	0.1	0
35	Effect of layer interfaces on the high-temperature mechanical properties of alumina/zirconia laminate composites. Acta Materialia, 2000, 48, 4715-4720.	3.8	22
36	Joining of yttria-tetragonal stabilized zirconia polycrystals using nanocrystals. Scripta Materialia, 1999, 41, 455-460.	2.6	36

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37	Creep of nanocrystalline Y-SZP ceramics. Scripta Materialia, 1999, 11, 531-537.	0.5	29
38	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