Marcos Diaz

List of Publications by Year in descending order

27 papers	600 citations	623734 14 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	695 citing authors

#	Article	IF	Citations
1	Synthesis and Antimicrobial Activity of a Silver-Hydroxyapatite Nanocomposite. Journal of Nanomaterials, 2009, 2009, 1-6.	2.7	82
2	Synthesis, Thermal Evolution, and Luminescence Properties of Yttrium Disilicate Host Matrix. Chemistry of Materials, 2005, 17, 1774-1782.	6.7	76
3	Mullite/molybdenum ceramicâ€“metal composites. Acta Materialia, 1999, 47, 3891-3899.	7.9	48
4	Powder processing of mullite/Mo functionally graded materials. Journal of the European Ceramic Society, 1998, 18, 1365-1371.	5.7	43
5	Synthesis of nanocrystalline yttrium disilicate powder by a solâ€“gel method. Journal of Non-Crystalline Solids, 2001, 289, 151-154.	3.1	40
6	Accelerated Aging in 3-mol%-Yttria-Stabilized Tetragonal Zirconia Ceramics Sintered in Reducing Conditions. Journal of the American Ceramic Society, 2004, 87, 2282-2285.	3.8	39
7	Sliding wear of ceramics and cermets against steel. Journal of the European Ceramic Society, 2003, 23, 2867-2877.	5.7	34
8	Zirconium oxide film formation on zircaloy by water corrosion. Acta Materialia, 2000, 48, 4749-4754.	7.9	33
9	Influence of the Metal Particle Size on the Crack Growth Resistance in Mulliteâ€“Molybdenum Composites. Journal of the American Ceramic Society, 2002, 85, 2778-2784.	3.8	32
10	Mullite-refractory metal (Mo, Nb) composites. Journal of the European Ceramic Society, 2008, 28, 479-491.	5.7	32
11	Silver-hydroxyapatite nanocomposites as bactericidal and fungicidal materials. International Journal of Materials Research, 2010, 101, 122-127.	0.3	27
12	Wet processing of mullite/molybdenum composites. Journal of the European Ceramic Society, 2000, 20, 1907-1914.	5.7	26
13	Formation of nanocrystalline yttrium disilicate powder by an oxalate gel method. Journal of the European Ceramic Society, 1998, 18, 1381-1384.	5.7	20
14	MÃ¶ssbauer spectra of tin(IV) iodide complexes. Journal of the Chemical Society Dalton Transactions, 1999, , 4019-4023.	1.1	16
15	Theoretical and Experimental Study of Tri- and Tetrahalodiorganostannate(IV) Salts. Solvent Dependence in the Reaction of Dimethyltin Dibromide with Tetraethylammonium Bromide. Organometallics, 2001, 20, 654-662.	2.3	15
16	Mullite/Mo interfaces formed by intrusion bonding. Journal of the European Ceramic Society, 2004, 24, 785-790.	5.7	9
17	Rheology of zirconia/nickel particulate system and microstructure of composites. Composites Science and Technology, 2007, 67, 2303-2310.	7.8	5
18	Microstructure and Mechanical Properties of Zirconia (3Y-TZP)/Zr Composites Prepared by Wet Processing and Subsequent Spark Plasma Sintering. Ceramics, 2020, 3, 53-64.	2.6	5

#	Article	IF	Citations
19	Integrated Numerical-Experimental Assessment of the Effect of the AZ31B Anisotropic Behaviour in Extended-Surface Treatments by Laser Shock Processing. Metals, 2020, 10, 195.	2.3	5
20	A new method to study hydriding processes from the inner surfaces of fuel claddings. Journal of Nuclear Materials, 2004, 327, 11-18.	2.7	4
21	Minimization of the Thermal Impact in the Laser Welding of Dissimilar Stainless Steels. Metals, 2018, 8, 650.	2.3	4
22	Induction of through-thickness compressive residual stress fields in thin Al2024-T351 plates by laser shock processing. International Journal of Structural Integrity, 2015, 6, 725-736.	3.3	3
23	Mechanical Properties Enhancement of High Reliability Metallic Materials by Laser Shock Processing. Materials Science Forum, 0, 706-709, 2565-2570.	0.3	1
24	Induction of engineered residual stresses fields and enhancement of fatigue life of high reliability metallic components by laser shock processing. , 2013, , .		1
25	Kinetics of hydride front in Zircaloy-2 and H release from a fractional hydrided surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 913-917.	2.1	0
26	Improvement of mechanical properties and life extension of high reliability structural components by laser shock processing. , 2011, , .		0
27	Computer-Aided Development of Thermo-Mechanical Laser Surface Treatments for the Fatigue Life Extension of Bio-Mechanical Components. Lecture Notes in Computer Science, 2015, , 429-438.	1.3	0