

Marcos Diaz

List of Publications by Year in descending order

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27
papers

600
citations

623734

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27
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and Mechanical Properties of Zirconia (3Y-TZP)/Zr Composites Prepared by Wet Processing and Subsequent Spark Plasma Sintering. <i>Ceramics</i> , 2020, 3, 53-64.	2.6	5
2	Integrated Numerical-Experimental Assessment of the Effect of the AZ31B Anisotropic Behaviour in Extended-Surface Treatments by Laser Shock Processing. <i>Metals</i> , 2020, 10, 195.	2.3	5
3	Minimization of the Thermal Impact in the Laser Welding of Dissimilar Stainless Steels. <i>Metals</i> , 2018, 8, 650.	2.3	4
4	Induction of through-thickness compressive residual stress fields in thin Al2024-T351 plates by laser shock processing. <i>International Journal of Structural Integrity</i> , 2015, 6, 725-736.	3.3	3
5	Computer-Aided Development of Thermo-Mechanical Laser Surface Treatments for the Fatigue Life Extension of Bio-Mechanical Components. <i>Lecture Notes in Computer Science</i> , 2015, , 429-438.	1.3	0
6	Induction of engineered residual stresses fields and enhancement of fatigue life of high reliability metallic components by laser shock processing. , 2013, , .		1
7	Improvement of mechanical properties and life extension of high reliability structural components by laser shock processing. , 2011, , .		0
8	Silver-hydroxyapatite nanocomposites as bactericidal and fungicidal materials. <i>International Journal of Materials Research</i> , 2010, 101, 122-127.	0.3	27
9	Kinetics of hydride front in Zircaloy-2 and H release from a fractional hydrided surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 913-917.	2.1	0
10	Synthesis and Antimicrobial Activity of a Silver-Hydroxyapatite Nanocomposite. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-6.	2.7	82
11	Mullite-refractory metal (Mo, Nb) composites. <i>Journal of the European Ceramic Society</i> , 2008, 28, 479-491.	5.7	32
12	Rheology of zirconia/nickel particulate system and microstructure of composites. <i>Composites Science and Technology</i> , 2007, 67, 2303-2310.	7.8	5
13	Synthesis, Thermal Evolution, and Luminescence Properties of Yttrium Disilicate Host Matrix. <i>Chemistry of Materials</i> , 2005, 17, 1774-1782.	6.7	76
14	Accelerated Aging in 3-mol%-Yttria-Stabilized Tetragonal Zirconia Ceramics Sintered in Reducing Conditions. <i>Journal of the American Ceramic Society</i> , 2004, 87, 2282-2285.	3.8	39
15	Mullite/Mo interfaces formed by intrusion bonding. <i>Journal of the European Ceramic Society</i> , 2004, 24, 785-790.	5.7	9
16	A new method to study hydriding processes from the inner surfaces of fuel claddings. <i>Journal of Nuclear Materials</i> , 2004, 327, 11-18.	2.7	4
17	Sliding wear of ceramics and cermets against steel. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2867-2877.	5.7	34
18	Influence of the Metal Particle Size on the Crack Growth Resistance in Mullite-Molybdenum Composites. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2778-2784.	3.8	32

#	ARTICLE	IF	CITATIONS
19	Synthesis of nanocrystalline yttrium disilicate powder by a sol-gel method. Journal of Non-Crystalline Solids, 2001, 289, 151-154.	3.1	40
20	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
21	Zirconium oxide film formation on zircaloy by water corrosion. Acta Materialia, 2000, 48, 4749-4754.	7.9	33
22	Wet processing of mullite/molybdenum composites. Journal of the European Ceramic Society, 2000, 20, 1907-1914.	5.7	26
23	Mullite/molybdenum ceramic-metal composites. Acta Materialia, 1999, 47, 3891-3899.	7.9	48
24	Mössbauer spectra of tin(IV) iodide complexes. Journal of the Chemical Society Dalton Transactions, 1999, , 4019-4023.	1.1	16
25	Formation of nanocrystalline yttrium disilicate powder by an oxalate gel method. Journal of the European Ceramic Society, 1998, 18, 1381-1384.	5.7	20
26	Powder processing of mullite/Mo functionally graded materials. Journal of the European Ceramic Society, 1998, 18, 1365-1371.	5.7	43
27	Mechanical Properties Enhancement of High Reliability Metallic Materials by Laser Shock Processing. Materials Science Forum, 0, 706-709, 2565-2570.	0.3	1