Pilar Miranzo

List of Publications by Year
in descending order

178 papers	5,771 citations	94381 37 h-index	91828 69 g-index
183 all docs	183 docs citations	183 times ranked	4343 citing authors

#	Article	IF	Citations
1	3D-Printed Fe/Î³-Al₂O₃ Monoliths from MOF-Based Boehmite Inks for the Catalytic Hydroxylation of Phenol. ACS Applied Materials & Interfaces, 2022, 14, 920-932.	4.0	16
2	Enhanced Thermal and Mechanical Properties of 3D Printed Highly Porous Structures Based on Î³â€Al₂O₃Âby Adding Graphene Nanoplatelets. Advanced Materials Technologies, 2022, 7, .	3.0	9
3	The effect of rod orientation on the strength of highly porous filament printed 3D SiC ceramic architectures. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2021, 60, 119-127.	0.9	6
4	Robust and conductive mesoporous reduced graphene oxide-silica hybrids achieved by printing and the sol gel route. Journal of the European Ceramic Society, 2021, 41, 2908-2917.	2.8	10
5	Heat dissipation in 3D printed cellular aluminum nitride structures. Journal of the European Ceramic Society, 2021, 41, 2407-2414.	2.8	13
6	Iron-based metal-organic frameworks integrated into 3D printed ceramic architectures. Open Ceramics, 2021, 5, 100047.	1.0	14
7	Reinforced 3D Composite Structures of Î³-, Î±-Al2O3 with Carbon Nanotubes and Reduced GO Ribbons Printed from Boehmite Gels. Materials, 2021, 14, 2111.	1.3	11
8	Thermal Transport and Thermoelectric Effect in Composites of Alumina and Graphene-Augmented Alumina Nanofibers. Materials, 2021, 14, 2242.	1.3	5
9	Applications of Ceramic/Graphene Composites and Hybrids. Materials, 2021, 14, 2071.	1.3	26
10	In Situ Graded Ceramic/Reduced Graphene Oxide Composites Manufactured by Spark Plasma Sintering. Ceramics, 2021, 4, 12-19.	1.0	2
11	Graphene-based nanostructures as catalysts for wet peroxide oxidation treatments: From nanopowders to 3D printed porous monoliths. Catalysis Today, 2020, 356, 197-204.	2.2	11
12	Frequency-dependent acoustic energy focusing in hexagonal ceramic micro-scaffolds. Wave Motion, 2020, 92, 102417.	1.0	7
13	Improved crack resistance and thermal conductivity of cubic zirconia containing graphene nanoplatelets. Journal of the European Ceramic Society, 2020, 40, 1557-1565.	2.8	18
14	Thermal conduction in three-dimensional printed porous samples by high resolution infrared thermography. Open Ceramics, 2020, 4, 100028.	1.0	8
15	Remarkable Effects of an Electrodeposited Copper Skin on the Strength and the Electrical and Thermal Conductivities of Reduced Graphene Oxide-Printed Scaffolds. ACS Applied Materials & Interfaces, 2020, 12, 24209-24217.	4.0	7
16	Protein adsorption and in vitro behavior of additively manufactured 3D-silicon nitride scaffolds intended for bone tissue engineering. Materials Science and Engineering C, 2020, 115, 110734.	3.8	32
17	Multifunctional 3Dâ€Printed Cellular MAXâ€Phase Architectures. Advanced Materials Technologies, 2019, 4, 1900375.	3.0	10
18	Face dependent footprints of carpet-like graphene films grown on polycrystalline silicon carbide. Carbon, 2019, 153, 417-427.	5.4	3

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19	Strong and light cellular silicon carbonitride â€“ Reduced graphene oxide material with enhanced electrical conductivity and capacitive response. Additive Manufacturing, 2019, 30, 100849.	1.7	13
20	Filament printing of graphene-based inks into self-supported 3D architectures. Carbon, 2019, 151, 94-102.	5.4	26
21	Highly-porous hierarchical SiC structures obtained by filament printing and partial sintering. Journal of the European Ceramic Society, 2019, 39, 688-695.	2.8	41
22	Thermally sprayed wollastonite and wollastonite-diopside compositions as new modulated bioactive coatings for metal implants. Ceramics International, 2018, 44, 12896-12904.	2.3	31
23	Direct in situ observation of toughening mechanisms in nanocomposites of silicon nitride and reduced graphene-oxide. Scripta Materialia, 2018, 149, 40-43.	2.6	33
24	Polymer-derived ceramic/graphene oxide architected composite with high electrical conductivity and enhanced thermal resistance. Journal of the European Ceramic Society, 2018, 38, 2265-2271.	2.8	31
25	3D-Printed Fe-doped silicon carbide monolithic catalysts for wet peroxide oxidation processes. Applied Catalysis B: Environmental, 2018, 235, 246-255.	10.8	64
26	Ultrasonic bandgaps in 3D-printed periodic ceramic microlattices. Ultrasonics, 2018, 82, 91-100.	2.1	27
27	Contact damage resistant SiC/graphene nanofiller composites. Journal of the European Ceramic Society, 2018, 38, 41-45.	2.8	14
28	Low percolation threshold in highly conducting graphene nanoplatelets/glass composite coatings. Carbon, 2018, 139, 556-563.	5.4	29
29	Anisotropic Elasticity of Ceramic Micro-Scaffolds Fabricated by Robocasting. Acta Physica Polonica A, 2018, 134, 799-803.	0.2	2
30	From bulk to cellular structures: A review on ceramic/graphene filler composites. Journal of the European Ceramic Society, 2017, 37, 3649-3672.	2.8	128
31	Macroporous mullite materials prepared by novel shaping strategies based on starch thermogelation for thermal insulation. International Journal of Applied Ceramic Technology, 2017, 14, 738-747.	1.1	10
32	Exceptional micromachining performance of silicon carbide ceramics by adding graphene nanoplatelets. Journal of the European Ceramic Society, 2017, 37, 3813-3821.	2.8	25
33	The effect of graphene nanoplatelets on the thermal and electrical properties of aluminum nitride ceramics. Journal of the European Ceramic Society, 2017, 37, 3721-3729.	2.8	29
34	Ceramic phononic crystals with MHz-range frequency band gaps. Proceedings of Meetings on Acoustics, 2017, , .	0.3	2
35	Thermal conductivity of silicon carbide composites with highly oriented graphene nanoplatelets. Journal of the European Ceramic Society, 2016, 36, 3987-3993.	2.8	64
36	Tribological Performance of Aligned Silicon Nitride Ceramics under Isooctaneâ€Lubricated Oscillating Sliding Conditions. Journal of the American Ceramic Society, 2016, 99, 241-248.	1.9	8

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37	The decisive role played by graphene nanoplatelets on improving the tribological performance of Y 2 O 3 -Al 2 O 3 -SiO 2 glass coatings. Materials and Design, 2016, 112, 449-455.	3.3	13
38	Printing of Graphene Nanoplatelets into Highly Electrically Conductive Three-Dimensional Porous Macrostructures. Chemistry of Materials, 2016, 28, 6321-6328.	3.2	53
39	Superior Performance of Ablative Glass Coatings Containing Graphene Nanosheets. Journal of the American Ceramic Society, 2016, 99, 4066-4072.	1.9	3
40	Prominent local transport in silicon carbide composites containing in-situ synthesized three-dimensional graphene networks. Journal of the European Ceramic Society, 2016, 36, 3073-3081.	2.8	10
41	AnÃ¡lisis de la adhesiÃ³n de recubrimientos del sistema Y2O3-Al2O3-SiO2 sobre sustratos de interÃ©s para la industria aeroespacial. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2016, 55, 127-135.	0.9	5
42	Thermopower and hall effect in silicon nitride composites containing thermally reduced graphene and pure graphene nanosheets. Ceramics International, 2016, 42, 11341-11347.	2.3	6
43	Electrically functional 3D-architectured graphene/SiC composites. Carbon, 2016, 100, 318-328.	5.4	89
44	Toughened and strengthened silicon carbide ceramics by adding graphene-based fillers. Scripta Materialia, 2016, 113, 127-130.	2.6	84
45	Tribological performance under dry sliding conditions of graphene/silicon carbide composites. Journal of the European Ceramic Society, 2016, 36, 429-435.	2.8	102
46	Thermally Sprayed Y2O3-Al2O3-SiO2 Coatings for High-Temperature Protection of SiC Ceramics. Journal of Thermal Spray Technology, 2015, 24, 185.	1.6	3
47	Directional Electrical Transport in Tough Multifunctional Layered Ceramic/Graphene Composites. Advanced Electronic Materials, 2015, 1, 1500132.	2.6	10
48	Effects of Current Confinement on the Spark Plasma Sintering of Silicon Carbide Ceramics. Journal of the American Ceramic Society, 2015, 98, 2745-2753.	1.9	13
49	3D Nanocomposites of Covalently Interconnected Multiwalled Carbon Nanotubes with SiC with Enhanced Thermal and Electrical Properties. Advanced Functional Materials, 2015, 25, 4985-4993.	7.8	18
50	Highly Electrically Conducting Glass-Graphene Nanoplatelets Hybrid Coatings. ACS Applied Materials & Interfaces, 2015, 7, 17656-17662.	4.0	15
51	Graphene nanoribbon ceramic composites. Carbon, 2015, 90, 207-214.	5.4	28
52	Flame spraying of adherent silicon coatings on SiC substrates. Surface and Coatings Technology, 2015, 270, 8-15.	2.2	17
53	Enhanced electrical conductivity of silicon carbide ceramics by addition of graphene nanoplatelets. Journal of the European Ceramic Society, 2015, 35, 2723-2731.	2.8	96
54	Elastic properties of silicon nitride ceramics reinforced with graphene nanofillers. Materials and Design, 2015, 87, 675-680.	3.3	37

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55	Enhanced microstructural and mechanical gradients on silicon nitride ceramics. Ceramics International, 2015, 41, 2594-2598.	2.3	15
56	Modelling thermal conductivity of biphasic ceramic materials by the finite element method. Journal of Composite Materials, 2015, 49, 2159-2166.	1.2	1
57	The Effective Role Played by Graphene Fillers for Improving the Tribological Properties of Ceramics. , 2015, , .		0
58	Joining Methods for Hard Ceramics. , 2014, , 231-261.		0
59	Acoustic metamaterial behavior of three-dimensional periodic architectures assembled by robocasting. Applied Physics Letters, 2014, 105, 211904.	1.5	14
60	Contact-mechanical properties at pre-creep temperatures of fine-grained graphene/SiC composites prepared in situ by spark-plasma sintering. Journal of the European Ceramic Society, 2014, 34, 1433-1438.	2.8	25
61	Extraordinary toughening enhancement and flexural strength in Si3N4 composites using graphene sheets. Journal of the European Ceramic Society, 2014, 34, 161-169.	2.8	122
62	Aligned carbon nanotube/silicon carbide hybrid materials with high electrical conductivity, superhydrophobicity and superoleophilicity. Carbon, 2014, 80, 120-126.	5.4	22
63	Nitrogen-doped-CNTs/Si3N4 nanocomposites with high electrical conductivity. Journal of the European Ceramic Society, 2014, 34, 1097-1104.	2.8	15
64	Carbon nanotubes/silicon nitride nanocomposites for gasoline lubricated high pressure pumps. Composites Part B: Engineering, 2014, 64, 168-174.	5.9	8
65	Microstructural designs of spark-plasma sintered silicon carbide ceramic scaffolds. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2014, 53, 93-100.	0.9	16
66	The Prospect of Y2SiO5-Based Materials as Protective Layer in Environmental Barrier Coatings. Journal of Thermal Spray Technology, 2013, 22, 680-689.	1.6	22
67	Synthesis of conducting graphene/Si3N4 composites by spark plasma sintering. Carbon, 2013, 57, 425-432.	5.4	80
68	Electrical Discharge Machining of Ceramic/Carbon Nanostructure Composites. Procedia CIRP, 2013, 6, 95-100.	1.0	41
69	The beneficial effect of graphene nanofillers on the tribological performance of ceramics. Carbon, 2013, 61, 431-435.	5.4	146
70	In situ processing of electrically conducting graphene/SiC nanocomposites. Journal of the European Ceramic Society, 2013, 33, 1665-1674.	2.8	105
71	Mulliteâ€“YSZ multilayered environmental barrier coatings tested in cycling conditions under water vapor atmosphere. Surface and Coatings Technology, 2012, 209, 103-109.	2.2	30
72	Graphene nanoplatelet/silicon nitride composites with high electrical conductivity. Carbon, 2012, 50, 3607-3615.	5.4	151

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73	Geometrically Complex Silicon Carbide Structures Fabricated by Robocasting. Journal of the American Ceramic Society, 2012, 95, 2660-2666.	1.9	103
74	Anisotropic thermal conductivity of silicon nitride ceramics containing carbon nanostructures. Journal of the European Ceramic Society, 2012, 32, 1847-1854.	2.8	76
75	Carbon nanotubes functionalization process for developing ceramic matrix nanocomposites. Journal of Materials Chemistry, 2011, 21, 6063.	6.7	13
76	Enhanced Tribological Performance of Silicon Nitride-Based Materials by Adding Carbon Nanotubes. Journal of the American Ceramic Society, 2011, 94, 2542-2548.	1.9	40
77	Modeling the effect of pulsing on the spark plasma sintering of silicon nitride materials. Scripta Materialia, 2011, 65, 273-276.	2.6	16
78	Sintering behaviour and properties of YAlSiO and YAlSiON glass-ceramics. Ceramics International, 2011, 37, 1485-1492.	2.3	23
79	Multi-scale electrical response of silicon nitride/multi-walled carbon nanotubes composites. Composites Science and Technology, 2011, 71, 60-66.	3.8	32
80	Mechanical Behavior of Air Plasma-Sprayed YSZ Functionally Graded Mullite Coatings Investigated via Instrumented Indentation. Journal of Thermal Spray Technology, 2011, 20, 100-107.	1.6	13
81	Phase Composition and Microstructural Responses of Graded Mullite/YSZ Coatings Under Water Vapor Environments. Journal of Thermal Spray Technology, 2011, 20, 83-91.	1.6	11
82	Enhanced particle rearrangement during liquid phase spark plasma sintering of silicon nitride-based ceramics. Ceramics International, 2011, 37, 159-166.	2.3	41
83	Thermal conductivity studies on ceramic floor tiles. Ceramics International, 2011, 37, 369-375.	2.3	21
84	Electrical conductivity maps in graphene nanoplatelet/silicon nitride composites using conducting scanning force microscopy. Carbon, 2011, 49, 3873-3880.	5.4	79
85	Porous mullite templated from hard mullite beads. Journal of the European Ceramic Society, 2011, 31, 1397-1403.	2.8	12
86	Porous mullite and mulliteâ€"ZrO2 granules for thermal spraying applications. Surface and Coatings Technology, 2011, 205, 4304-4311.	2.2	19
87	Mullite and Mullite/ZrO2-7wt.%Y2O3 Powders for Thermal Spraying of Environmental Barrier Coatings. Journal of Thermal Spray Technology, 2010, 19, 286-293.	1.6	22
88	Spark plasma sintering: A powerful tool to develop new silicon nitride-based materials. Journal of the European Ceramic Society, 2010, 30, 2937-2946.	2.8	115
89	Crystallization studies in mullite and mulliteâ€"YSZ beads. Journal of the European Ceramic Society, 2010, 30, 2003-2008.	2.8	10
90	Thermal conductivity in mullite/ZrO2 composite coatings. Ceramics International, 2010, 36, 1609-1614.	2.3	12

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91	Processing Route to Disentangle Multi-Walled Carbon Nanotube Towards Ceramic Composite. Journal of Nanoscience and Nanotechnology, 2009, 9, 6164-6170.	0.9	3
92	Wear of aligned silicon nitride under dry sliding conditions. Wear, 2009, 266, 6-12.	1.5	25
93	Continuous in situ functionally graded silicon nitride materials. Acta Materialia, 2009, 57, 2607-2612.	3.8	50
94	Dense and Homogenous Silicon Nitride Composites Containing Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 6188-6194.	0.9	21
95	Protective Siâ€“Alâ€“Oâ€“Y glass coatings on stainless steel in situ prepared by combustion flame spraying. Surface and Coatings Technology, 2008, 202, 1712-1717.	2.2	21
96	Microstructure and Thermal Behavior of Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2008, 17, 478-485.	1.6	29
97	Thermally Sprayed CaZrO3 Coatings. Journal of Thermal Spray Technology, 2008, 17, 865-871.	1.6	9
98	A method for disentangling Î²-Si3N4 seeds obtained by SHS. Powder Technology, 2008, 182, 364-367.	2.1	3
99	Effects of seeding and amounts of Y2O3:Al2O3 additives on grain growth in Si3N4 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 185-189.	2.6	19
100	Mullite/ZrO2 coatings produced by flame spraying. Journal of the European Ceramic Society, 2008, 28, 2191-2197.	2.8	28
101	Transmission electron microscopy study on silicon nitride/stainless steel bonded interfaces. Thin Solid Films, 2008, 517, 779-781.	0.8	4
102	Thermal conductivity of a ZrO2â€“Ni functionally graded coatings. Scripta Materialia, 2008, 58, 973-976.	2.6	10
103	DegradaciÃ³n de materiales cerÃ¡micos en atmÃ³sferas de combustiÃ³n. Dos casos prÃ¡cticos: quemadores y turbinas de gas. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2008, 47, 345-351.	0.9	0
104	ZrO₂-Ni Functional Gradient Bonding Interlayer. Key Engineering Materials, 2007, 336-338, 2579-2582.	0.4	0
105	Processing and Properties of Highly Textured Si₃N₄ Materials. Key Engineering Materials, 2007, 336-338, 1175-1178.	0.4	0
106	Mechanical Properties of Filler Metal in Si₃N₄/Austenitic Stainless Steel/Si₃N₄ Joints as Measured by Nanoindentation and its Relationship to the Interfacial Strength. Key Engineering Materials, 2007, 336-338, 2391-2393.	0.4	0
107	Residual stresses in ceramic-to-metal joints: diffraction measurements and finite element method analysis. Philosophical Magazine, 2007, 87, 5551-5563.	0.7	8
108	ZrO₂â€Ni Functionally Graded Joining Interlayers: Microstructure and Properties. Advanced Engineering Materials, 2007, 9, 1005-1008.	1.6	1

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109	Mechanical Properties and Contact Damage Behavior in Aligned Silicon Nitride Materials. Journal of the American Ceramic Society, 2007, 90, 1157-1163.	1.9	13
110	AlN ceramics processed by aqueous slip casting. Journal of Materials Research, 2006, 21, 2460-2469.	1.2	16
111	Fabrication and microstructure of a ZrO2â€"Ni functionally graded bonding interlayer using the airbrush spraying method. Acta Materialia, 2006, 54, 2215-2222.	3.8	22
112	Low-thermal-conductivity plasma-sprayed thermal barrier coatings with engineered microstructures. Acta Materialia, 2006, 54, 3343-3349.	3.8	155
113	Influence of the de-waxing atmosphere on the properties of AlN ceramics processed from aqueous media. Journal of the European Ceramic Society, 2006, 26, 2475-2483.	2.8	16
114	Effect of the type of flame on the microstructure of CaZrO3 combustion flame sprayed coatings. Surface and Coatings Technology, 2006, 201, 3307-3313.	2.2	43
115	Influence of the SiC grain size on the wear behaviour of Al2O3/SiC composites. Journal of the European Ceramic Society, 2006, 26, 1273-1279.	2.8	45
116	Equipo comparativo para la medida de conductividad tÃ©rmica de materiales cerÃ¡micos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 80-86.	0.9	1
117	High energy X-ray diffraction analysis of strain and residual stress in silicon nitride ceramic diffusion bonds. Nuclear Instruments & Methods in Physics Research B, 2005, 238, 119-123.	0.6	1
118	Thermal conductivity of highly porous mullite material. Acta Materialia, 2005, 53, 3313-3318.	3.8	145
119	Fabrication of Highly Porous Mullite Materials. Journal of the American Ceramic Society, 2005, 88, 777-779.	1.9	83
120	Measurements and Finite-Element Simulations of Residual Stresses Developed in Si3N4/Ni Diffusion Bonds. Journal of the American Ceramic Society, 2005, 88, 2515-2520.	1.9	9
121	The Use of Cordierite Based Materials as Radiant Burners. Key Engineering Materials, 2004, 264-268, 2191-2194.	0.4	0
122	Thermal Diffusivity Measurements of Porous Ceramics. Key Engineering Materials, 2004, 264-268, 2179-2182.	0.4	2
123	Mechanical properties of the Ni filler metal layer in Si3N4 joints measured by nanoindentation. Surface and Interface Analysis, 2004, 36, 649-653.	0.8	3
124	Experimental determination of residual stress in silicon nitride diffusion bonds obtained by high-energy X-ray diffraction. Powder Technology, 2004, 148, 60-63.	2.1	5
125	Metalâ€"ceramic interfaces: joining silicon nitrideâ€"stainless steel. Applied Surface Science, 2004, 238, 506-512.	3.1	34
126	Sintering. , 2003, , 865-878.		3

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127	Low-Thermal-Conductivity Rare-Earth Zirconates for Potential Thermal-Barrier-Coating Applications.. ChemInform, 2003, 34, no.	0.1	334
128	Correlation between microstructure and toughness of hot pressed Si3N4 ceramics seeded with Î²-Si3N4 particles. Ceramics International, 2003, 29, 757-764.	2.3	21
129	Joining mechanism in Si3N4 bonded with a Niâ€"Crâ€"B interlayer. Journal of the European Ceramic Society, 2003, 23, 547-553.	2.8	32
130	Thermal conductivity of Al2O3/SiC platelet composites. Journal of the European Ceramic Society, 2003, 23, 1773-1778.	2.8	49
131	Alterations in cordierite based burners subjected to radiant mode ageing conditions. Journal of the European Ceramic Society, 2003, 23, 3097-3103.	2.8	3
132	Effect of Bonding Pressure on Silicon Nitride Joining Using a Nickelâ€Chromiumâ€Boron Metal Filler. Journal of the American Ceramic Society, 2003, 86, 1226-1229.	1.9	1
133	Joining of Silicon Nitride by Interposing Metal Foils: Effects of Temperature and Bonding Pressure. Materials Science Forum, 2003, 426-432, 4075-4080.	0.3	1
134	Quemadores de gas cerÃ¡micos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2003, 42, 277-282.	0.9	0
135	Thermal conductivity enhancement in cutting tools by chemical vapor deposition diamond coating. Diamond and Related Materials, 2002, 11, 703-707.	1.8	25
136	Thermal conductivity of ceramics in the ZrO₂-GdO_{1.5}system. Journal of Materials Research, 2002, 17, 3193-3200.	1.2	100
137	Thermal diffusivity of porous cordierite ceramic burners. Journal of Applied Physics, 2002, 92, 2346-2349.	1.1	36
138	Anomalous diffusion of defects in rutile-titanium dioxide: correlation between ac conductivity and defect structures. Solid State Ionics, 2002, 146, 367-376.	1.3	8
139	Characterization of Si3N4 thin films prepared by r.f. magnetron sputtering. Surface and Coatings Technology, 2002, 151-152, 67-71.	2.2	21
140	Compositional characterization of silicon nitride thin films prepared by RF-sputtering. Vacuum, 2002, 67, 513-518.	1.6	9
141	Effect of Microstructure on the Thermal Conductivity of Hotâ€Pressed Silicon Nitride Materials. Journal of the American Ceramic Society, 2002, 85, 200-206.	1.9	36
142	Silicon Nitride Joining Using Silica and Yttria Ceramic Interlayers. Journal of the American Ceramic Society, 2002, 85, 941-946.	1.9	20
143	Lowâ€Thermalâ€Conductivity Rareâ€Earth Zirconates for Potential Thermalâ€Barrierâ€Coating Applications. Journal of the American Ceramic Society, 2002, 85, 3031-3035.	1.9	576
144	CaracterizaciÃ³n dinÃ¡mica mediante barra Hopkinson de materiales cerÃ¡micos monolÃticos y compuestos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2002, 41, 333-337.	0.9	1

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145	Towards durable thermal barrier coatings with novelmicrostructures deposited by solution-precursor plasma spray. Acta Materialia, 2001, 49, 2251-2257.	3.8	230
146	Microstructure and mechanical strength of Si3N4/Ni solid state bonded interfaces. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 308, 53-59.	2.6	32
147	MÃ©todo del Ã¢Â€ÂœPulso LÃ¡serÃ¢Â€Â•para la medida de la difusividad tÃ©rmica en materiales cerÃ¡micos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2001, 40, 289-294.	0.9	4
148	Effect of Î±-/Î² Si3N4-phase ratio and microstructure on the tribological behaviour up to 700Â°C. Wear, 2000, 239, 59-68.	1.5	38
149	Estudio de la curvatura de piezas crudas en pavimentos cerÃ¡micos de gres. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 55-62.	0.9	0
150	Efecto de la microestructura en el comportamiento tribolÃ³gico de materiales monolÃticos de Si₃N₄ y de compuestos Si₃N₄Ã¢Â€Â“SiC. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 263-268.	0.9	0
151	Uniones de nitruro de silicio. Superaleaciones. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 647-651.	0.9	0
152	Tribological characteristics of self-mated couples of Si3N4â€“SiC composites in the range 22â€“700Â°C. Wear, 1999, 233-235, 222-228.	1.5	33
153	Revisiting the mechanical behavior of alumina/silicon carbide nanocomposites. Acta Materialia, 1998, 46, 5399-5411.	3.8	83
154	Joining of Si3N4 Using Al and Ni Interlayers. , 1998, , 135-142.		1
155	Finite Element Simulation of Thermal Residual Stresses in Joining Ceramics with Thin Metal Interlayers. Journal of the American Ceramic Society, 1998, 81, 2342-2348.	1.9	39
156	Stress Distribution in Silicon Nitrice Joints with Metallic Interlayers. Key Engineering Materials, 1997, 132-136, 706-709.	0.4	1
157	platelet composites. Effect of sintering conditions. Journal of the European Ceramic Society, 1997, 17, 1253-1258.	2.8	5
158	Thermal Evolution and Sintering Behavior of a 2:1 Mullite Gel. Journal of the American Ceramic Society, 1997, 80, 1573-1578.	1.9	4
159	Slow crack growth in SiC platelet reinforced Al2O3 composite. Scripta Materialia, 1996, 34, 1621-1626.	2.6	4
160	Role of triboelectrification mechanism in the wear behaviour of Al2O3î—¸SiC platelet composites. Wear, 1996, 199, 54-59.	1.5	9
161	Fracture behavior of Al₂O₃/SiC-platelet composites. Journal of Materials Research, 1996, 11, 2528-2535.	1.2	14
162	Densification of Si₃N₄/Si₃N₄-Fibre Composites. Key Engineering Materials, 1996, 127-131, 247-254.	0.4	0

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163	Bimodal Sintering of Al2O3/Al2O3 Platelet Ceramic Composites. Journal of the American Ceramic Society, 1995, 78, 1661-1667.	1.9	18
164	Obtention of highly dispersed platelet-reinforced Al2O3 composites. Journal of Materials Science, 1994, 29, 179-183.	1.7	11
165	YBaCuO and YBaCuO/Ag superconducting thick films. processing, properties and degradation. Phase Transitions, 1993, 41, 109-121.	0.6	0
166	In situ formation of CA₆ platelets in Al₂O₃ and Al₂O₃/ZrO₂ matrices. European Physical Journal Special Topics, 1993, 03, C7-1443-C7-1447.	0.2	1
167	Effect of Atmosphere on Microstructural Evolution of Pressureless Sintered Al₂O₃/SiC Composites. Journal of the Ceramic Society of Japan, 1992, 100, 459-462.	1.3	12
168	Effect of Sintering Atmosphere on the Densification and Electrical Properties of Alumina. Journal of the American Ceramic Society, 1990, 73, 2119-2121.	1.9	21
169	YBaCuO and thick films on Ce-TZP, Y-TZP and spinel substrates. Journal of the Less Common Metals, 1990, 164-165, 458-463.	0.9	5
170	Influence of additives on the microstructural development of mullite-ZrO2 and alumina-ZrO2. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 109, 139-145.	2.6	7
171	TEM study of reaction-sintered zirconia-mullite composites with CaO and MgO additions. Journal of Materials Science, 1987, 22, 2987-2992.	1.7	20
172	INFLUENCE OF PROCESSING METHOD ON THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF MULLITE/ZrO2 COMPOSITES. Journal De Physique Colloque, 1986, 47, C1-417-C1-421.	0.2	0
173	Multicomponent toughened ceramic materials obtained by reaction sintering. Journal of Materials Science, 1985, 20, 2702-2710.	1.7	38
174	Multicomponent toughened ceramic materials obtained by reaction sintering. Journal of Materials Science, 1985, 20, 2011-2022.	1.7	60
175	Solid-solution effects on the fracture toughness of mullite-ZrO2 composites. Journal of Materials Science Letters, 1985, 4, 1026-1028.	0.5	8
176	Dissipation energy for a charge moving near a metal surface. Surface Science, 1985, 161, 33-38.	0.8	17
177	Elastic/plastic indentation in ceramics: a fracture toughness determination method. Ceramics International, 1984, 10, 147-152.	2.3	89
178	Finite Elements Modeling of Mechanical and Acoustic Properties of a Ceramic Metamaterial Assembled by Robocasting. Applied Mechanics and Materials, 0, 821, 364-371.	0.2	4