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	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
2	Low-Thermal-Conductivity Rare-Earth Zirconates for Potential Thermal-Barrier-Coating Applications.. ChemInform, 2003, 34, no.	0.1	334
3	Towards durable thermal barrier coatings with novelmicrostructures deposited by solution-precursor plasma spray. Acta Materialia, 2001, 49, 2251-2257.	3.8	230
4	Low-thermal-conductivity plasma-sprayed thermal barrier coatings with engineered microstructures. Acta Materialia, 2006, 54, 3343-3349.	3.8	155
5	Graphene nanoplatelet/silicon nitride composites with high electrical conductivity. Carbon, 2012, 50, 3607-3615.	5.4	151
6	The beneficial effect of graphene nanofillers on the tribological performance of ceramics. Carbon, 2013, 61, 431-435.	5.4	146
7	Thermal conductivity of highly porous mullite material. Acta Materialia, 2005, 53, 3313-3318.	3.8	145
8	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
9	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
10	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
11	In situ processing of electrically conducting graphene/SiC nanocomposites. Journal of the European Ceramic Society, 2013, 33, 1665-1674.	2.8	105
12	Geometrically Complex Silicon Carbide Structures Fabricated by Robocasting. Journal of the American Ceramic Society, 2012, 95, 2660-2666.	1.9	103
13	Tribological performance under dry sliding conditions of graphene/silicon carbide composites. Journal of the European Ceramic Society, 2016, 36, 429-435.	2.8	102
14	Thermal conductivity of ceramics in the ZrO₂-GdO_{1.5}system. Journal of Materials Research, 2002, 17, 3193-3200.	1.2	100
15	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
16	Elastic/plastic indentation in ceramics: a fracture toughness determination method. Ceramics International, 1984, 10, 147-152.	2.3	89
17	Electrically functional 3D-architectured graphene/SiC composites. Carbon, 2016, 100, 318-328.	5.4	89
18	Toughened and strengthened silicon carbide ceramics by adding graphene-based fillers. Scripta Materialia, 2016, 113, 127-130.	2.6	84

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19	Revisiting the mechanical behavior of alumina/silicon carbide nanocomposites. Acta Materialia, 1998, 46, 5399-5411.	3.8	83
20	Fabrication of Highly Porous Mullite Materials. Journal of the American Ceramic Society, 2005, 88, 777-779.	1.9	83
21	Synthesis of conducting graphene/Si3N4 composites by spark plasma sintering. Carbon, 2013, 57, 425-432.	5.4	80
22	Electrical conductivity maps in graphene nanoplatelet/silicon nitride composites using conducting scanning force microscopy. Carbon, 2011, 49, 3873-3880.	5.4	79
23	Anisotropic thermal conductivity of silicon nitride ceramics containing carbon nanostructures. Journal of the European Ceramic Society, 2012, 32, 1847-1854.	2.8	76
24	Thermal conductivity of silicon carbide composites with highly oriented graphene nanoplatelets. Journal of the European Ceramic Society, 2016, 36, 3987-3993.	2.8	64
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	Multicomponent toughened ceramic materials obtained by reaction sintering. Journal of Materials Science, 1985, 20, 2011-2022.	1.7	60
27	Printing of Graphene Nanoplatelets into Highly Electrically Conductive Three-Dimensional Porous Macrostructures. Chemistry of Materials, 2016, 28, 6321-6328.	3.2	53
28	Continuous in situ functionally graded silicon nitride materials. Acta Materialia, 2009, 57, 2607-2612.	3.8	50
29	Thermal conductivity of Al2O3/SiC platelet composites. Journal of the European Ceramic Society, 2003, 23, 1773-1778.	2.8	49
30	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
31	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
32	Enhanced particle rearrangement during liquid phase spark plasma sintering of silicon nitride-based ceramics. Ceramics International, 2011, 37, 159-166.	2.3	41
33	Electrical Discharge Machining of Ceramic/Carbon Nanostructure Composites. Procedia CIRP, 2013, 6, 95-100.	1.0	41
34	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
35	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
36	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

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37	Multicomponent toughened ceramic materials obtained by reaction sintering. Journal of Materials Science, 1985, 20, 2702-2710.	1.7	38
38	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
39	Elastic properties of silicon nitride ceramics reinforced with graphene nanofillers. Materials and Design, 2015, 87, 675-680.	3.3	37
40	Thermal diffusivity of porous cordierite ceramic burners. Journal of Applied Physics, 2002, 92, 2346-2349.	1.1	36
41	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
42	Metalâ€“ceramic interfaces: joining silicon nitrideâ€“stainless steel. Applied Surface Science, 2004, 238, 506-512.	3.1	34
43	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
44	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
45	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
46	Joining mechanism in Si3N4 bonded with a Niâ€“Crâ€“B interlayer. Journal of the European Ceramic Society, 2003, 23, 547-553.	2.8	32
47	Multi-scale electrical response of silicon nitride/multi-walled carbon nanotubes composites. Composites Science and Technology, 2011, 71, 60-66.	3.8	32
48	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
49	Thermally sprayed wollastonite and wollastonite-diopside compositions as new modulated bioactive coatings for metal implants. Ceramics International, 2018, 44, 12896-12904.	2.3	31
50	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
51	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
52	Microstructure and Thermal Behavior of Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2008, 17, 478-485.	1.6	29
53	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
54	Low percolation threshold in highly conducting graphene nanoplatelets/glass composite coatings. Carbon, 2018, 139, 556-563.	5.4	29

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55	Mullite/ZrO2 coatings produced by flame spraying. Journal of the European Ceramic Society, 2008, 28, 2191-2197.	2.8	28
56	Graphene nanoribbon ceramic composites. Carbon, 2015, 90, 207-214.	5.4	28
57	Ultrasonic bandgaps in 3D-printed periodic ceramic microlattices. Ultrasonics, 2018, 82, 91-100.	2.1	27
58	Filament printing of graphene-based inks into self-supported 3D architectures. Carbon, 2019, 151, 94-102.	5.4	26
59	Applications of Ceramic/Graphene Composites and Hybrids. Materials, 2021, 14, 2071.	1.3	26
60	Thermal conductivity enhancement in cutting tools by chemical vapor deposition diamond coating. Diamond and Related Materials, 2002, 11, 703-707.	1.8	25
61	Wear of aligned silicon nitride under dry sliding conditions. Wear, 2009, 266, 6-12.	1.5	25
62	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
63	Exceptional micromachining performance of silicon carbide ceramics by adding graphene nanoplatelets. Journal of the European Ceramic Society, 2017, 37, 3813-3821.	2.8	25
64	Sintering behaviour and properties of YAlSiO and YAlSiON glass-ceramics. Ceramics International, 2011, 37, 1485-1492.	2.3	23
65	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
66	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
67	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
68	Aligned carbon nanotube/silicon carbide hybrid materials with high electrical conductivity, superhydrophobicity and superoleophilicity. Carbon, 2014, 80, 120-126.	5.4	22
69	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
70	Characterization of Si3N4 thin films prepared by r.f. magnetron sputtering. Surface and Coatings Technology, 2002, 151-152, 67-71.	2.2	21
71	Correlation between microstructure and toughness of hot pressed Si3N4 ceramics seeded with Î²-Si3N4 particles. Ceramics International, 2003, 29, 757-764.	2.3	21
72	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

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73	Dense and Homogenous Silicon Nitride Composites Containing Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 6188-6194.	0.9	21
74	Thermal conductivity studies on ceramic floor tiles. Ceramics International, 2011, 37, 369-375.	2.3	21
75	TEM study of reaction-sintered zirconia-mullite composites with CaO and MgO additions. Journal of Materials Science, 1987, 22, 2987-2992.	1.7	20
76	Silicon Nitride Joining Using Silica and Yttria Ceramic Interlayers. Journal of the American Ceramic Society, 2002, 85, 941-946.	1.9	20
77	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
78	Porous mullite and mulliteâ€“ZrO2 granules for thermal spraying applications. Surface and Coatings Technology, 2011, 205, 4304-4311.	2.2	19
79	Bimodal Sintering of Al2O3/Al2O3 Platelet Ceramic Composites. Journal of the American Ceramic Society, 1995, 78, 1661-1667.	1.9	18
80	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
81	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
82	Dissipation energy for a charge moving near a metal surface. Surface Science, 1985, 161, 33-38.	0.8	17
83	Flame spraying of adherent silicon coatings on SiC substrates. Surface and Coatings Technology, 2015, 270, 8-15.	2.2	17
84	AlN ceramics processed by aqueous slip casting. Journal of Materials Research, 2006, 21, 2460-2469.	1.2	16
85	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
86	Modeling the effect of pulsing on the spark plasma sintering of silicon nitride materials. Scripta Materialia, 2011, 65, 273-276.	2.6	16
87	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
88	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
89	Nitrogen-doped-CNTs/Si3N4 nanocomposites with high electrical conductivity. Journal of the European Ceramic Society, 2014, 34, 1097-1104.	2.8	15
90	Highly Electrically Conducting Glass-Graphene Nanoplatelets Hybrid Coatings. ACS Applied Materials & Interfaces, 2015, 7, 17656-17662.	4.0	15

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91	Enhanced microstructural and mechanical gradients on silicon nitride ceramics. Ceramics International, 2015, 41, 2594-2598.	2.3	15
92	Fracture behavior of Al₂O₃/SiC-platelet composites. Journal of Materials Research, 1996, 11, 2528-2535.	1.2	14
93	Acoustic metamaterial behavior of three-dimensional periodic architectures assembled by robocasting. Applied Physics Letters, 2014, 105, 211904.	1.5	14
94	Contact damage resistant SiC/graphene nanofiller composites. Journal of the European Ceramic Society, 2018, 38, 41-45.	2.8	14
95	Iron-based metal-organic frameworks integrated into 3D printed ceramic architectures. Open Ceramics, 2021, 5, 100047.	1.0	14
96	Mechanical Properties and Contact Damage Behavior in Aligned Silicon Nitride Materials. Journal of the American Ceramic Society, 2007, 90, 1157-1163.	1.9	13
97	Carbon nanotubes functionalization process for developing ceramic matrix nanocomposites. Journal of Materials Chemistry, 2011, 21, 6063.	6.7	13
98	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
99	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
100	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
101	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
102	Heat dissipation in 3D printed cellular aluminum nitride structures. Journal of the European Ceramic Society, 2021, 41, 2407-2414.	2.8	13
103	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
104	Thermal conductivity in mullite/ZrO2 composite coatings. Ceramics International, 2010, 36, 1609-1614.	2.3	12
105	Porous mullite templated from hard mullite beads. Journal of the European Ceramic Society, 2011, 31, 1397-1403.	2.8	12
106	Obtention of highly dispersed platelet-reinforced Al2O3 composites. Journal of Materials Science, 1994, 29, 179-183.	1.7	11
107	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
108	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

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109	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
110	Thermal conductivity of a ZrO2â€“Ni functionally graded coatings. Scripta Materialia, 2008, 58, 973-976.	2.6	10
111	Crystallization studies in mullite and mulliteâ€“YSZ beads. Journal of the European Ceramic Society, 2010, 30, 2003-2008.	2.8	10
112	Directional Electrical Transport in Tough Multifunctional Layered Ceramic/Graphene Composites. Advanced Electronic Materials, 2015, 1, 1500132.	2.6	10
113	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
114	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
115	Multifunctional 3Dâ€Printed Cellular MAXâ€Phase Architectures. Advanced Materials Technologies, 2019, 4, 1900375.	3.0	10
116	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
117	Role of triboelectrification mechanism in the wear behaviour of Al2O3î—¸SiC platelet composites. Wear, 1996, 199, 54-59.	1.5	9
118	Compositional characterization of silicon nitride thin films prepared by RF-sputtering. Vacuum, 2002, 67, 513-518.	1.6	9
119	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
120	Thermally Sprayed CaZrO3 Coatings. Journal of Thermal Spray Technology, 2008, 17, 865-871.	1.6	9
121	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
122	Solid-solution effects on the fracture toughness of mullite-ZrO2 composites. Journal of Materials Science Letters, 1985, 4, 1026-1028.	0.5	8
123	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
124	Residual stresses in ceramic-to-metal joints: diffraction measurements and finite element method analysis. Philosophical Magazine, 2007, 87, 5551-5563.	0.7	8
125	Carbon nanotubes/silicon nitride nanocomposites for gasoline lubricated high pressure pumps. Composites Part B: Engineering, 2014, 64, 168-174.	5.9	8
126	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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127	Thermal conduction in three-dimensional printed porous samples by high resolution infrared thermography. Open Ceramics, 2020, 4, 100028.	1.0	8
128	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
129	Frequency-dependent acoustic energy focusing in hexagonal ceramic micro-scaffolds. Wave Motion, 2020, 92, 102417.	1.0	7
130	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
131	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
132	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
133	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
134	platelet composites. Effect of sintering conditions. Journal of the European Ceramic Society, 1997, 17, 1253-1258.	2.8	5
135	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
136	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
137	Thermal Transport and Thermoelectric Effect in Composites of Alumina and Graphene-Augmented Alumina Nanofibers. Materials, 2021, 14, 2242.	1.3	5
138	Slow crack growth in SiC platelet reinforced Al2O3 composite. Scripta Materialia, 1996, 34, 1621-1626.	2.6	4
139	Thermal Evolution and Sintering Behavior of a 2:1 Mullite Gel. Journal of the American Ceramic Society, 1997, 80, 1573-1578.	1.9	4
140	Transmission electron microscopy study on silicon nitride/stainless steel bonded interfaces. Thin Solid Films, 2008, 517, 779-781.	0.8	4
141	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
142	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
143	Sintering. , 2003, , 865-878.		3
144	Alterations in cordierite based burners subjected to radiant mode ageing conditions. Journal of the European Ceramic Society, 2003, 23, 3097-3103.	2.8	3

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145	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
146	A method for disentangling Î²-Si3N4 seeds obtained by SHS. Powder Technology, 2008, 182, 364-367.	2.1	3
147	Processing Route to Disentangle Multi-Walled Carbon Nanotube Towards Ceramic Composite. Journal of Nanoscience and Nanotechnology, 2009, 9, 6164-6170.	0.9	3
148	Thermally Sprayed Y2O3-Al2O3-SiO2 Coatings for High-Temperature Protection of SiC Ceramics. Journal of Thermal Spray Technology, 2015, 24, 185.	1.6	3
149	Superior Performance of Ablative Glass Coatings Containing Graphene Nanosheets. Journal of the American Ceramic Society, 2016, 99, 4066-4072.	1.9	3
150	Face dependent footprints of carpet-like graphene films grown on polycrystalline silicon carbide. Carbon, 2019, 153, 417-427.	5.4	3
151	Thermal Diffusivity Measurements of Porous Ceramics. Key Engineering Materials, 2004, 264-268, 2179-2182.	0.4	2
152	Ceramic phononic crystals with MHz-range frequency band gaps. Proceedings of Meetings on Acoustics, 2017, , .	0.3	2
153	Anisotropic Elasticity of Ceramic Micro-Scaffolds Fabricated by Robocasting. Acta Physica Polonica A, 2018, 134, 799-803.	0.2	2
154	In Situ Graded Ceramic/Reduced Graphene Oxide Composites Manufactured by Spark Plasma Sintering. Ceramics, 2021, 4, 12-19.	1.0	2
155	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
156	Stress Distribution in Silicon Nitrice Joints with Metallic Interlayers. Key Engineering Materials, 1997, 132-136, 706-709.	0.4	1
157	Joining of Si3N4 Using Al and Ni Interlayers. , 1998, , 135-142.		1
158	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
159	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
160	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
161	ZrO₂â€Ni Functionally Graded Joining Interlayers: Microstructure and Properties. Advanced Engineering Materials, 2007, 9, 1005-1008.	1.6	1
162	Modelling thermal conductivity of biphasic ceramic materials by the finite element method. Journal of Composite Materials, 2015, 49, 2159-2166.	1.2	1

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163	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
164	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
165	YBaCuO and YBaCuO/Ag superconducting thick films. processing, properties and degradation. Phase Transitions, 1993, 41, 109-121.	0.6	0
166	Densification of Si₃N₄/Si₃N₄-Fibre Composites. Key Engineering Materials, 1996, 127-131, 247-254.	0.4	0
167	The Use of Cordierite Based Materials as Radiant Burners. Key Engineering Materials, 2004, 264-268, 2191-2194.	0.4	0
168	ZrO₂-Ni Functional Gradient Bonding Interlayer. Key Engineering Materials, 2007, 336-338, 2579-2582.	0.4	0
169	Processing and Properties of Highly Textured Si₃N₄ Materials. Key Engineering Materials, 2007, 336-338, 1175-1178.	0.4	0
170	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
171	Joining Methods for Hard Ceramics. , 2014, , 231-261.		0
172	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
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