Maria Isabel Osendi

List of Publications by Year
in descending order

157 papers	4,742 citations	94433 37 h-index	123424 61 g-index
161 all docs	161 docs citations	161 times ranked	3952 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.	8.0	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, .	5.8	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.	1.9	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.	5.7	10
5	Heat dissipation in 3D printed cellular aluminum nitride structures. Journal of the European Ceramic Society, 2021, 41, 2407-2414.	5.7	13
6	Iron-based metal-organic frameworks integrated into 3D printed ceramic architectures. Open Ceramics, 2021, 5, 100047.	2.0	14
7	The influence of the catalyst on the CO formation during catalytic wet peroxide oxidation process. Catalysis Today, 2021, 361, 30-36.	4.4	6
8	Reinforced 3D Composite Structures of Î³-, Î±-Al2O3 with Carbon Nanotubes and Reduced GO Ribbons Printed from Boehmite Gels. Materials, 2021, 14, 2111.	2.9	11
9	Applications of Ceramic/Graphene Composites and Hybrids. Materials, 2021, 14, 2071.	2.9	26
10	In Situ Graded Ceramic/Reduced Graphene Oxide Composites Manufactured by Spark Plasma Sintering. Ceramics, 2021, 4, 12-19.	2.6	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.	4.4	11
12	Improved crack resistance and thermal conductivity of cubic zirconia containing graphene nanoplatelets. Journal of the European Ceramic Society, 2020, 40, 1557-1565.	5.7	18
13	Thermal conduction in three-dimensional printed porous samples by high resolution infrared thermography. Open Ceramics, 2020, 4, 100028.	2.0	8
14	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.	8.0	7
15	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.	7.3	32
16	Multifunctional 3Dâ€Printed Cellular MAXâ€Phase Architectures. Advanced Materials Technologies, 2019, 4, 1900375.	5.8	10
17	Face dependent footprints of carpet-like graphene films grown on polycrystalline silicon carbide. Carbon, 2019, 153, 417-427.	10.3	3
18	Strong and light cellular silicon carbonitride â€" Reduced graphene oxide material with enhanced electrical conductivity and capacitive response. Additive Manufacturing, 2019, 30, 100849.	3.0	13

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19	Filament printing of graphene-based inks into self-supported 3D architectures. Carbon, 2019, 151, 94-102.	10.3	26
20	Highly-porous hierarchical SiC structures obtained by filament printing and partial sintering. Journal of the European Ceramic Society, 2019, 39, 688-695.	5.7	41
21	Direct in situ observation of toughening mechanisms in nanocomposites of silicon nitride and reduced graphene-oxide. Scripta Materialia, 2018, 149, 40-43.	5.2	33
22	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.	5.7	31
23	3D-Printed Fe-doped silicon carbide monolithic catalysts for wet peroxide oxidation processes. Applied Catalysis B: Environmental, 2018, 235, 246-255.	20.2	64
24	Contact damage resistant SiC/graphene nanofiller composites. Journal of the European Ceramic Society, 2018, 38, 41-45.	5.7	14
25	Low percolation threshold in highly conducting graphene nanoplatelets/glass composite coatings. Carbon, 2018, 139, 556-563.	10.3	29
26	From bulk to cellular structures: A review on ceramic/graphene filler composites. Journal of the European Ceramic Society, 2017, 37, 3649-3672.	5.7	128
27	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.	5.7	29
28	Thermal conductivity of silicon carbide composites with highly oriented graphene nanoplatelets. Journal of the European Ceramic Society, 2016, 36, 3987-3993.	5.7	64
29	Tribological Performance of Aligned Silicon Nitride Ceramics under Isooctaneâ€Lubricated Oscillating Sliding Conditions. Journal of the American Ceramic Society, 2016, 99, 241-248.	3.8	8
30	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.	7.0	13
31	Printing of Graphene Nanoplatelets into Highly Electrically Conductive Three-Dimensional Porous Macrostructures. Chemistry of Materials, 2016, 28, 6321-6328.	6.7	53
32	Superior Performance of Ablative Glass Coatings Containing Graphene Nanosheets. Journal of the American Ceramic Society, 2016, 99, 4066-4072.	3.8	3
33	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.	5.7	10
34	Thermopower and hall effect in silicon nitride composites containing thermally reduced graphene and pure graphene nanosheets. Ceramics International, 2016, 42, 11341-11347.	4.8	6
35	Electrically functional 3D-architectured graphene/SiC composites. Carbon, 2016, 100, 318-328.	10.3	89
36	Toughened and strengthened silicon carbide ceramics by adding graphene-based fillers. Scripta Materialia, 2016, 113, 127-130.	5.2	84

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37	Thermally Sprayed Y2O3-Al2O3-SiO2 Coatings for High-Temperature Protection of SiC Ceramics. Journal of Thermal Spray Technology, 2015, 24, 185.	3.1	3
38	Directional Electrical Transport in Tough Multifunctional Layered Ceramic/Graphene Composites. Advanced Electronic Materials, 2015, 1, 1500132.	5.1	10
39	Effects of Current Confinement on the Spark Plasma Sintering of Silicon Carbide Ceramics. Journal of the American Ceramic Society, 2015, 98, 2745-2753.	3.8	13
40	Highly Electrically Conducting Glass-Graphene Nanoplatelets Hybrid Coatings. ACS Applied Materials & Interfaces, 2015, 7, 17656-17662.	8.0	15
41	Graphene nanoribbon ceramic composites. Carbon, 2015, 90, 207-214.	10.3	28
42	Flame spraying of adherent silicon coatings on SiC substrates. Surface and Coatings Technology, 2015, 270, 8-15.	4.8	17
43	Elastic properties of silicon nitride ceramics reinforced with graphene nanofillers. Materials and Design, 2015, 87, 675-680.	7.0	37
44	Enhanced microstructural and mechanical gradients on silicon nitride ceramics. Ceramics International, 2015, 41, 2594-2598.	4.8	15
45	Modelling thermal conductivity of biphasic ceramic materials by the finite element method. Journal of Composite Materials, 2015, 49, 2159-2166.	2.4	1
46	The Effective Role Played by Graphene Fillers for Improving the Tribological Properties of Ceramics. , 2015, , .		0
47	Joining Methods for Hard Ceramics. , 2014, , 231-261.		0
48	Toughening in ceramics containing graphene fillers. Ceramics International, 2014, 40, 11187-11192.	4.8	62
49	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.	5.7	25
50	Effect of aging on the onset of cracks due to redistribution of residual stresses in functionally graded environmental barrier coatings of mullite/ZrO2. Composites Part B: Engineering, 2014, 61, 199-205.	12.0	14
51	Extraordinary toughening enhancement and flexural strength in Si3N4 composites using graphene sheets. Journal of the European Ceramic Society, 2014, 34, 161-169.	5.7	122
52	Nitrogen-doped-CNTs/Si3N4 nanocomposites with high electrical conductivity. Journal of the European Ceramic Society, 2014, 34, 1097-1104.	5.7	15
53	Carbon nanotubes/silicon nitride nanocomposites for gasoline lubricated high pressure pumps. Composites Part B: Engineering, 2014, 64, 168-174.	12.0	8
54	Microstructural designs of spark-plasma sintered silicon carbide ceramic scaffolds. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2014, 53, 93-100.	1.9	16

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55	The Prospect of Y2SiO5-Based Materials as Protective Layer in Environmental Barrier Coatings. Journal of Thermal Spray Technology, 2013, 22, 680-689.	3.1	22
56	Synthesis of conducting graphene/Si3N4 composites by spark plasma sintering. Carbon, 2013, 57, 425-432.	10.3	80
57	Anisotropic elastic moduli and internal friction of graphene nanoplatelets/silicon nitride composites. Composites Science and Technology, 2013, 75, 93-97.	7.8	40
58	Characterization of graphene nanoplatelets-Si3N4 composites by Raman spectroscopy. Journal of the European Ceramic Society, 2013, 33, 471-477.	5.7	43
59	Electrical Discharge Machining of Ceramic/Carbon Nanostructure Composites. Procedia CIRP, 2013, 6, 95-100.	1.9	41
60	The beneficial effect of graphene nanofillers on the tribological performance of ceramics. Carbon, 2013, 61, 431-435.	10.3	146
61	In situ processing of electrically conducting graphene/SiC nanocomposites. Journal of the European Ceramic Society, 2013, 33, 1665-1674.	5.7	105
62	Mulliteâ€“YSZ multilayered environmental barrier coatings tested in cycling conditions under water vapor atmosphere. Surface and Coatings Technology, 2012, 209, 103-109.	4.8	30
63	Graphene nanoplatelet/silicon nitride composites with high electrical conductivity. Carbon, 2012, 50, 3607-3615.	10.3	151
64	Geometrically Complex Silicon Carbide Structures Fabricated by Robocasting. Journal of the American Ceramic Society, 2012, 95, 2660-2666.	3.8	103
65	Anisotropic thermal conductivity of silicon nitride ceramics containing carbon nanostructures. Journal of the European Ceramic Society, 2012, 32, 1847-1854.	5.7	76
66	Carbon nanotubes functionalization process for developing ceramic matrix nanocomposites. Journal of Materials Chemistry, 2011, 21, 6063.	6.7	13
67	Enhanced Tribological Performance of Silicon Nitride-Based Materials by Adding Carbon Nanotubes. Journal of the American Ceramic Society, 2011, 94, 2542-2548.	3.8	40
68	Modeling the effect of pulsing on the spark plasma sintering of silicon nitride materials. Scripta Materialia, 2011, 65, 273-276.	5.2	16
69	Sintering behaviour and properties of YAlSiO and YAlSiON glass-ceramics. Ceramics International, 2011, 37, 1485-1492.	4.8	23
70	Multi-scale electrical response of silicon nitride/multi-walled carbon nanotubes composites. Composites Science and Technology, 2011, 71, 60-66.	7.8	32
71	Mechanical Behavior of Air Plasma-Sprayed YSZ Functionally Graded Mullite Coatings Investigated via Instrumented Indentation. Journal of Thermal Spray Technology, 2011, 20, 100-107.	3.1	13
72	Phase Composition and Microstructural Responses of Graded Mullite/YSZ Coatings Under Water Vapor Environments. Journal of Thermal Spray Technology, 2011, 20, 83-91.	3.1	11

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73	Enhanced particle rearrangement during liquid phase spark plasma sintering of silicon nitride-based ceramics. Ceramics International, 2011, 37, 159-166.	4.8	41
74	Thermal conductivity studies on ceramic floor tiles. Ceramics International, 2011, 37, 369-375.	4.8	21
75	Electrical conductivity maps in graphene nanoplatelet/silicon nitride composites using conducting scanning force microscopy. Carbon, 2011, 49, 3873-3880.	10.3	79
76	Porous mullite templated from hard mullite beads. Journal of the European Ceramic Society, 2011, 31, 1397-1403.	5.7	12
77	Porous mullite and mulliteâ€"ZrO2 granules for thermal spraying applications. Surface and Coatings Technology, 2011, 205, 4304-4311.	4.8	19
78	Mullite and Mullite/ZrO2-7wt.%Y2O3 Powders for Thermal Spraying of Environmental Barrier Coatings. Journal of Thermal Spray Technology, 2010, 19, 286-293.	3.1	22
79	Spark plasma sintering: A powerful tool to develop new silicon nitride-based materials. Journal of the European Ceramic Society, 2010, 30, 2937-2946.	5.7	115
80	Crystallization studies in mullite and mulliteâ€"YSZ beads. Journal of the European Ceramic Society, 2010, 30, 2003-2008.	5.7	10
81	Thermal conductivity in mullite/ZrO2 composite coatings. Ceramics International, 2010, 36, 1609-1614.	4.8	12
82	Processing Route to Disentangle Multi-Walled Carbon Nanotube Towards Ceramic Composite. Journal of Nanoscience and Nanotechnology, 2009, 9, 6164-6170.	0.9	3
83	Wear of aligned silicon nitride under dry sliding conditions. Wear, 2009, 266, 6-12.	3.1	25
84	Continuous in situ functionally graded silicon nitride materials. Acta Materialia, 2009, 57, 2607-2612.	7.9	50
85	Dense and Homogenous Silicon Nitride Composites Containing Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 6188-6194.	0.9	21
86	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.	4.8	21
87	Thermally Sprayed CaZrO3 Coatings. Journal of Thermal Spray Technology, 2008, 17, 865-871.	3.1	9
88	A method for disentangling Î²-Si3N4 seeds obtained by SHS. Powder Technology, 2008, 182, 364-367.	4.2	3
89	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.	5.6	19
90	Mullite/ZrO2 coatings produced by flame spraying. Journal of the European Ceramic Society, 2008, 28, 2191-2197.	5.7	28

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91	Transmission electron microscopy study on silicon nitride/stainless steel bonded interfaces. Thin Solid Films, 2008, 517, 779-781.	1.8	4
92	Thermal conductivity of a ZrO2â€“Ni functionally graded coatings. Scripta Materialia, 2008, 58, 973-976.	5.2	10
93	ZrO₂-Ni Functional Gradient Bonding Interlayer. Key Engineering Materials, 2007, 336-338, 2579-2582.	0.4	0
94	Processing and Properties of Highly Textured Si₃N₄ Materials. Key Engineering Materials, 2007, 336-338, 1175-1178.	0.4	0
95	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
96	Residual stresses in ceramic-to-metal joints: diffraction measurements and finite element method analysis. Philosophical Magazine, 2007, 87, 5551-5563.	1.6	8
97	ZrO₂â€Ni Functionally Graded Joining Interlayers: Microstructure and Properties. Advanced Engineering Materials, 2007, 9, 1005-1008.	3.5	1
98	Mechanical Properties and Contact Damage Behavior in Aligned Silicon Nitride Materials. Journal of the American Ceramic Society, 2007, 90, 1157-1163.	3.8	13
99	Fabrication and microstructure of a ZrO2â€“Ni functionally graded bonding interlayer using the airbrush spraying method. Acta Materialia, 2006, 54, 2215-2222.	7.9	22
100	Effect of the type of flame on the microstructure of CaZrO3 combustion flame sprayed coatings. Surface and Coatings Technology, 2006, 201, 3307-3313.	4.8	43
101	Influence of the SiC grain size on the wear behaviour of Al2O3/SiC composites. Journal of the European Ceramic Society, 2006, 26, 1273-1279.	5.7	45
102	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.	1.4	1
103	Thermal conductivity of highly porous mullite material. Acta Materialia, 2005, 53, 3313-3318.	7.9	145
104	Fabrication of Highly Porous Mullite Materials. Journal of the American Ceramic Society, 2005, 88, 777-779.	3.8	83
105	Measurements and Finite-Element Simulations of Residual Stresses Developed in Si3N4/Ni Diffusion Bonds. Journal of the American Ceramic Society, 2005, 88, 2515-2520.	3.8	9
106	The Use of Cordierite Based Materials as Radiant Burners. Key Engineering Materials, 2004, 264-268, 2191-2194.	0.4	0
107	Thermal Diffusivity Measurements of Porous Ceramics. Key Engineering Materials, 2004, 264-268, 2179-2182.	0.4	2
108	Mechanical properties of the Ni filler metal layer in Si3N4 joints measured by nanoindentation. Surface and Interface Analysis, 2004, 36, 649-653.	1.8	3

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109	Experimental determination of residual stress in silicon nitride diffusion bonds obtained by high-energy X-ray diffraction. Powder Technology, 2004, 148, 60-63.	4.2	5
110	Metalâ€"ceramic interfaces: joining silicon nitrideâ€"stainless steel. Applied Surface Science, 2004, 238, 506-512.	6.1	34
111	Correlation between microstructure and toughness of hot pressed Si3N4 ceramics seeded with Î²-Si3N4 particles. Ceramics International, 2003, 29, 757-764.	4.8	21
112	Joining mechanism in Si3N4 bonded with a Niâ€"Crâ€"B interlayer. Journal of the European Ceramic Society, 2003, 23, 547-553.	5.7	32
113	Thermal conductivity of Al2O3/SiC platelet composites. Journal of the European Ceramic Society, 2003, 23, 1773-1778.	5.7	49
114	Alterations in cordierite based burners subjected to radiant mode ageing conditions. Journal of the European Ceramic Society, 2003, 23, 3097-3103.	5.7	3
115	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.	3.8	1
116	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
117	Thermal conductivity enhancement in cutting tools by chemical vapor deposition diamond coating. Diamond and Related Materials, 2002, 11, 703-707.	3.9	25
118	Thermal conductivity of ceramics in the ZrO₂-GdO_{1.5}system. Journal of Materials Research, 2002, 17, 3193-3200.	2.6	100
119	Thermal diffusivity of porous cordierite ceramic burners. Journal of Applied Physics, 2002, 92, 2346-2349.	2.5	36
120	Characterization of Si3N4 thin films prepared by r.f. magnetron sputtering. Surface and Coatings Technology, 2002, 151-152, 67-71.	4.8	21
121	Compositional characterization of silicon nitride thin films prepared by RF-sputtering. Vacuum, 2002, 67, 513-518.	3.5	9
122	Effect of Microstructure on the Thermal Conductivity of Hotâ€Pressed Silicon Nitride Materials. Journal of the American Ceramic Society, 2002, 85, 200-206.	3.8	36
123	Silicon Nitride Joining Using Silica and Yttria Ceramic Interlayers. Journal of the American Ceramic Society, 2002, 85, 941-946.	3.8	20
124	Towards durable thermal barrier coatings with novelmicrostructures deposited by solution-precursor plasma spray. Acta Materialia, 2001, 49, 2251-2257.	7.9	230
125	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.	5.6	32
126	Microstructure and Mechanical Properties of Silicon Nitride Materials Fabricated from SHS Powders. Journal of the American Ceramic Society, 2001, 84, 1033-1036.	3.8	8

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127	Effect of Î±-/Î² Si3N4-phase ratio and microstructure on the tribological behaviour up to 700Â°C. Wear, 2000, 239, 59-68.	3.1	38
128	Oxygen distribution in AlN and Si3N4 powders as revealed by chemical and spectroscopy techniques. Ceramics International, 2000, 26, 141-146.	4.8	14
129	Tribological characteristics of self-mated couples of Si3N4â€“SiC composites in the range 22â€“700Â°C. Wear, 1999, 233-235, 222-228.	3.1	33
130	Study of AlN and Si3N4 powders synthesized by SHS reactions. Ceramics International, 1999, 25, 607-612.	4.8	14
131	Finite Element Simulation of Thermal Residual Stresses in Joining Ceramics with Thin Metal Interlayers. Journal of the American Ceramic Society, 1998, 81, 2342-2348.	3.8	39
132	Single crystal Î²-SiAlON fibers obtained by self-propagating high-temperature synthesisâˆ—âˆ—. Scripta Materialia, 1997, 37, 405-410.	5.2	22
133	Fracture Resistance of Mullite Under Static and Cyclic Loads. Scripta Materialia, 1997, 38, 39-44.	5.2	9
134	Cyclic fatigue behaviour of silicon nitride materials. Journal of the European Ceramic Society, 1997, 17, 1855-1860.	5.7	9
135	Thermal Evolution and Sintering Behavior of a 2:1 Mullite Gel. Journal of the American Ceramic Society, 1997, 80, 1573-1578.	3.8	4
136	Mechanical properties of mullite materials. Journal of the European Ceramic Society, 1996, 16, 217-224.	5.7	99
137	Densification of Si₃N₄/Si₃N₄-Fibre Composites. Key Engineering Materials, 1996, 127-131, 247-254.	0.4	0
138	Single crystal ÃŸ-Si3N4 fibers obtained by self-propagating high temperature synthesis. Advanced Materials, 1995, 7, 745-747.	21.0	67
139	Effect of oxygen content on the corrosion of AlN powder in diluted acid solution. Journal of the European Ceramic Society, 1994, 13, 335-338.	5.7	11
140	YBaCuO and YBaCuO/Ag superconducting thick films. processing, properties and degradation. Phase Transitions, 1993, 41, 109-121.	1.3	0
141	Mullite materials from a 3:2 alumina-silica gel part I: Green processing and porosity. Journal of the European Ceramic Society, 1992, 10, 393-398.	5.7	4
142	Mullite materials from a 3:2 alumina-silica gel part II: Microstructural evolution. Journal of the European Ceramic Society, 1992, 10, 399-403.	5.7	5
143	Processing and sintering of a 3 : 2 alumina silica gel. Ceramics International, 1992, 18, 365-372.	4.8	9
144	Oxidation behaviour of mullite-SiC composites. Journal of Materials Science, 1990, 25, 3561-3565.	3.7	21

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145	YBaCuO and thick films on Ce-TZP, Y-TZP and spinel substrates. Journal of the Less Common Metals, 1990, 164-165, 458-463.	0.8	5
146	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.	5.6	7
147	Microstructure and Mechanical Properties of Mullite-Silicon Carbide Composites. Journal of the American Ceramic Society, 1989, 72, 1049-1054.	3.8	26
148	Role of titania on the sintering, microstructure and fracture toughness of Al2O3/ZrO2 composites. Journal of Materials Science Letters, 1988, 7, 15-18.	0.5	14
149	Influence of TiO2on the Mechanical Properties at High Temperature of Zirconia-Toughened Alumina. Advanced Ceramic Materials, 1988, 3, 563-568.	2.2	6
150	Microstructure of Mullite/ZrO2 and Mullite/Al2O3/ZrO2 tough ceramic composites. Acta Metallurgica, 1987, 35, 1175-1179.	2.1	11
151	Solid-solution effects on the fracture toughness of mullite-ZrO2 composites. Journal of Materials Science Letters, 1985, 4, 1026-1028.	0.5	8
152	Metastability of Tetragonal Zirconia Powders. Journal of the American Ceramic Society, 1985, 68, 135-139.	3.8	187
153	Investigation of ZrO2/mullite solid solution by energy dispersive X-ray spectroscopy and electron diffraction. Acta Metallurgica, 1984, 32, 1601-1607.	2.1	13
154	Microstructure and mechanical properties of mullite/ZrO2 composites. Journal of Materials Science, 1984, 19, 2909-2914.	3.7	74
155	Solid solution of TiO2 in mullite. Journal of Materials Science Letters, 1983, 2, 185-187.	0.5	19
156	Effect of ZrO2 (ss) in mullite on the sintering and mechanical properties of mullite/ZrO2 composites. Journal of Materials Science Letters, 1983, 2, 599-601.	0.5	49
157	Fluorescence of Mn2+ in CaCO3. Journal of Luminescence, 1982, 27, 365-375.	3.1	32