RamÃ³n Torrecillas

List of Publications by Year
in descending order

179 papers	5,385 citations	94433 37 h-index	114465 63 g-index
184 all docs	184 docs citations	184 times ranked	4915 citing authors

#	Article	IF	Citations
1	Crack growth resistance of alumina, zirconia and zirconia toughened alumina ceramics for joint prostheses. Biomaterials, 2002, 23, 937-945.	11.4	513
2	Graphene for tough and electroconductive alumina ceramics. Journal of the European Ceramic Society, 2013, 33, 3201-3210.	5.7	183
3	Fracture toughness, strength and slow crack growth in a ceria stabilized zirconiaâ€"alumina nanocomposite for medical applications. Biomaterials, 2008, 29, 3636-3641.	11.4	178
4	Low-temperature ageing of zirconia-toughened alumina ceramics and its implication in biomedical implants. Journal of the European Ceramic Society, 2003, 23, 2975-2982.	5.7	157
5	Epigenetics in cancer therapy and nanomedicine. Clinical Epigenetics, 2019, 11, 81.	4.1	147
6	Challenges and Opportunities for Spark Plasma Sintering: A Key Technology for a New Generation of Materials. , 0, , .		126
7	Microstructure development in calcium hexaluminate. Journal of the European Ceramic Society, 2001, 21, 381-387.	5.7	119
8	Physical, Mechanical, and Structural Properties of Highly Efficient Nanostructured n- and p-Silicides for Practical Thermoelectric Applications. Journal of Electronic Materials, 2014, 43, 1703-1711.	2.2	119
9	Wear behavior of graphene/alumina composite. Ceramics International, 2015, 41, 7434-7438.	4.8	118
10	Alumina nanocomposites from powderâ€"alkoxide mixtures. Acta Materialia, 2002, 50, 1125-1139.	7.9	117
11	Slowâ€Crackâ€Growth Behavior of Zirconiaâ€Toughened Alumina Ceramics Processed by Different Methods. Journal of the American Ceramic Society, 2003, 86, 115-120.	3.8	96
12	Thermomechanical Behavior of Highâ€Alumina Refractory Castables with Synthetic Spinel Additions. Journal of the American Ceramic Society, 2000, 83, 2481-2490.	3.8	92
13	Percolative Mechanism of Aging in Zirconia-Containing Ceramics for Medical Applications. Advanced Materials, 2003, 15, 507-511.	21.0	83
14	Effect of spinel content on slag attack resistance of high alumina refractory castables. Journal of the European Ceramic Society, 2007, 27, 4623-4631.	5.7	82
15	Synthesis and Antimicrobial Activity of a Silver-Hydroxyapatite Nanocomposite. Journal of Nanomaterials, 2009, 2009, 1-6.	2.7	82
16	Nanostructured Ceramic Oxides with a Slow Crack Growth Resistance Close to Covalent Materials. Nano Letters, 2005, 5, 1297-1301.	9.1	79
17	The effect of exposure to nanoparticles and nanomaterials on the mammalian epigenome. International Journal of Nanomedicine, 2016, Volume 11, 6297-6306.	6.7	78
18	Thermomechanical properties and fracture mechanisms of calcium hexaluminate. Journal of the European Ceramic Society, 2001, 21, 907-917.	5.7	77

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19	Effect of graphene addition on the mechanical and electrical properties of Al 2 O 3 -SiCw ceramics. Journal of the European Ceramic Society, 2017, 37, 2473-2479.	5.7	75
20	Suitability of mullite for high temperature applications. Journal of the European Ceramic Society, 1999, 19, 2519-2527.	5.7	67
21	Reliability assessment in advanced nanocomposite materials for orthopaedic applications. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 303-314.	3.1	63
22	On the transparency of nanostructured alumina: Rayleigh-Gans model for anisotropic spheres. Optics Express, 2009, 17, 6899.	3.4	62
23	Microstructural Investigation of the Aging Behavior of (3Y-TZP)-Al2O3 Composites. Journal of the American Ceramic Society, 2005, 88, 1273-1280.	3.8	57
24	Extending the Lifetime of Ceramic Orthopaedic Implants. Advanced Materials, 2000, 12, 1619-1621.	21.0	52
25	Advanced nanocomposite materials for orthopaedic applications. I. A long-termin vitro wear study of zirconia-toughened alumina. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 78B, 76-82.	3.4	50
26	Alumina/Zirconia Micro/Nanocomposites: A New Material for Biomedical Applications With Superior Sliding Wear Resistance. Journal of the American Ceramic Society, 2007, 90, 3177-3184.	3.8	49
27	A New Biocompatible and Antibacterial Phosphate Free Glass-Ceramic for Medical Applications. Scientific Reports, 2014, 4, 5440.	3.3	49
28	Thermal degradation of bismaleimide and bisnadimide networksâ€"products of thermal degradation and type of crosslinking points. Polymer Degradation and Stability, 1996, 51, 307-318.	5.8	47
29	Thermal degradation of high performance polymersâ€"influence of structure on polyimide thermostability. Polymer Degradation and Stability, 1996, 54, 267-274.	5.8	45
30	Zirconiaâ€"multiwall carbon nanotubes dense nano-composites with an unusual balance between crack and ageing resistance. Journal of the European Ceramic Society, 2011, 31, 1009-1014.	5.7	45
31	Antibacterial and Antifungal Activity of ZnO Containing Glasses. PLoS ONE, 2015, 10, e0132709.	2.5	45
32	Sliding wear behaviour of alumina/nickel nanocomposites processed by a conventional sintering route. Journal of the European Ceramic Society, 2011, 31, 1389-1395.	5.7	44
33	Effect of TiC addition on the mechanical behaviour of Al 2 O 3 â€"SiC whiskers composites obtained by SPS. Journal of the European Ceramic Society, 2016, 36, 2149-2152.	5.7	44
34	Negative thermal expansion of lithium aluminosilicate ceramics at cryogenic temperatures. Scripta Materialia, 2010, 63, 170-173.	5.2	43
35	Hot isostatic pressing of optically active Nd:YAG powders doped by a colloidal processing route. Journal of the European Ceramic Society, 2010, 30, 1489-1494.	5.7	43
36	Alumina reinforced eucryptite ceramics: Very low thermal expansion material with improved mechanical properties. Journal of the European Ceramic Society, 2011, 31, 1641-1648.	5.7	42

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37	Alumina-rich refractory concretes with added spinel, periclase and dolomite: A comparative study of their microstructural evolution with temperature. Journal of the European Ceramic Society, 2005, 25, 1499-1506.	5.7	39
38	Mechanical properties of aluminaâ€"zirconiaâ€"Nb microâ€"nano-hybrid composites. Composites Science and Technology, 2008, 68, 1392-1398.	7.8	39
39	Thermomechanical behaviour of mullite. Acta Materialia, 1997, 45, 897-906.	7.9	38
40	New spinel-containing refractory cements. Journal of the European Ceramic Society, 2003, 23, 737-744.	5.7	38
41	Influence of different parameters on calcium hexaluminate reaction sintering by Spark Plasma. Ceramics International, 2012, 38, 5325-5332.	4.8	37
42	DNA methylation changes in human lung epithelia cells exposed to multi-walled carbon nanotubes. Nanotoxicology, 2017, 11, 857-870.	3.0	36
43	Mechanical and biological evaluation of 3D printed 10CeTZP-Al 2 O 3 structures. Journal of the European Ceramic Society, 2017, 37, 3151-3158.	5.7	34
44	Silver nanoparticles supported on Î±-, Î·- and Î´-alumina. Journal of the European Ceramic Society, 2006, 26, 1-7.	5.7	33
45	Effect of CNFs content on the tribological behaviour of spark plasma sintering ceramicâ€"CNFs composites. Wear, 2012, 274-275, 94-99.	3.1	33
46	Mullite-refractory metal (Mo, Nb) composites. Journal of the European Ceramic Society, 2008, 28, 479-491.	5.7	32
47	Alumina/tungsten nanocomposites obtained by Spark Plasma Sintering. Composites Science and Technology, 2009, 69, 2467-2473.	7.8	32
48	Inhibitory Effect on In Vitro Streptococcus oralis Biofilm of a Soda-Lime Glass Containing Silver Nanoparticles Coating on Titanium Alloy. PLoS ONE, 2012, 7, e42393.	2.5	32
49	Transparent Alumina/Ceria Nanocomposites By Spark Plasma Sintering. Advanced Engineering Materials, 2010, 12, 1154-1160.	3.5	31
50	Ceramic/metal biocidal nanocomposites for bone-related applications. Journal of Materials Science: Materials in Medicine, 2012, 23, 1655-1662.	3.6	30
51	Diamondâ€like Hardening of Alumina/Ni Nanocomposites. Advanced Engineering Materials, 2007, 9, 898-901.	3.5	29
52	Conventional sintering of LASâ€"SiC nanocomposites with very low thermal expansion coefficient. Journal of the European Ceramic Society, 2010, 30, 3219-3225.	5.7	29
53	Processing and Spark Plasma Sintering of zirconia/titanium cermets. Ceramics International, 2013, 39, 6931-6936.	4.8	29
54	Grain growth control and transparency in spark plasma sintered self-doped alumina materials. Scripta Materialia, 2009, 61, 931-934.	5.2	28

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55	Electroconductive Aluminaâ€“TiCâ€“Ni nanocomposites obtained by Spark Plasma Sintering. Ceramics International, 2011, 37, 1631-1636.	4.8	28
56	Processing, spark plasma sintering, and mechanical behavior of alumina/titanium composites. Journal of Materials Science, 2014, 49, 3823-3830.	3.7	28
57	Creep behaviour of alumina/YAG nanocomposites obtained by a colloidal processing route. Journal of the European Ceramic Society, 2007, 27, 143-150.	5.7	27
58	Silver-hydroxyapatite nanocomposites as bactericidal and fungicidal materials. International Journal of Materials Research, 2010, 101, 122-127.	0.3	27
59	Electrically conductor black zirconia ceramic by SPS using graphene oxide. Journal of Electroceramics, 2017, 38, 119-124.	2.0	27
60	Room temperature mechanical properties of high alumina refractory castables with spinel, periclase and dolomite additions. Journal of the European Ceramic Society, 2008, 28, 2853-2858.	5.7	26
61	Electrical discharge machining of ceramic/semiconductor/metal nanocomposites. Scripta Materialia, 2010, 63, 219-222.	5.2	26
62	Alumina/molybdenum nanocomposites obtained in organic media. Journal of the European Ceramic Society, 2003, 23, 2829-2834.	5.7	25
63	Nanotechnology in joint replacement. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 540-552.	6.1	25
64	Influence of Fe3+ on sintering and microstructural evolution of reaction sintered calcium hexaluminate. Journal of the European Ceramic Society, 1998, 18, 1373-1379.	5.7	24
65	Thermomechanical behavior of a zirconâ€“mullite composite. Ceramics International, 2007, 33, 655-662.	4.8	23
66	Hot bending strength and creep behaviour at 1000â€“1400Â°C of high alumina refractory castables with spinel, periclase and dolomite additions. Journal of the European Ceramic Society, 2009, 29, 53-58.	5.7	23
67	Porcelain stoneware obtained from the residual muds of serpentinite raw materials. Journal of the European Ceramic Society, 2007, 27, 2341-2345.	5.7	22
68	Bone Loss at Implant with Titanium Abutments Coated by Soda Lime Glass Containing Silver Nanoparticles: A Histological Study in the Dog. PLoS ONE, 2014, 9, e86926.	2.5	22
69	Mechanical performance of a biocompatible biocide sodaâ€“lime glass-ceramic. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 34, 302-312.	3.1	22
70	Surface coating on carbon nanofibers with alumina precursor by different synthesis routes. Composites Science and Technology, 2011, 71, 18-22.	7.8	21
71	Microstructural design for mechanical and electrical properties of spark plasma sintered Al2O3â€“SiC nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 693-698.	5.6	21
72	Current stateâ€ofâ€theâ€art and future perspectives of the three main modern implantâ€dentistry concerns: Aesthetic requirements, mechanical properties, and periâ€implantitis prevention. Journal of Biomedical Materials Research - Part A, 2019, 107, 1466-1475.	4.0	21

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73	Microstructure and mechanical properties of mullite-zirconia reaction-sintered composites. Acta Metallurgica Et Materialia, 1993, 41, 1647-1652.	1.8	20
74	Ceria doped alumina by Spark Plasma Sintering for optical applications. Journal of the European Ceramic Society, 2012, 32, 2917-2924.	5.7	20
75	Microstructural design of Al2O3â€“SiC nanocomposites by Spark Plasma Sintering. Ceramics International, 2016, 42, 17248-17253.	4.8	20
76	The Development of Bioactive Glassâ€Ceramic Substrates with Biocide Activity. Advanced Engineering Materials, 2011, 13, B462.	3.5	19
77	Synthesis and processing of spinel powders for transparent ceramics. Ceramics International, 2014, 40, 4065-4069.	4.8	19
78	Bone tissue scaffolds based on antimicrobial SiO2â€“Na2Oâ€“Al2O3â€“CaOâ€“B2O3 glass. Journal of Non-Crystalline Solids, 2016, 432, 73-80.	3.1	19
79	Improved high-temperature mechanical properties of zirconia-doped mullite. Journal of Materials Science Letters, 1990, 9, 1400-1402.	0.5	18
80	Transparent Yttrium Aluminium Garnet Obtained by Spark Plasma Sintering of Lyophilized Gels. Journal of Nanomaterials, 2009, 2009, 1-5.	2.7	18
81	Solid state sintering of very low and negative thermal expansion ceramics by Spark Plasma Sintering. Ceramics International, 2011, 37, 1079-1083.	4.8	18
82	Microstructure and mechanical effects of spark plasma sintering in alumina monolithic ceramics. Scripta Materialia, 2013, 68, 603-606.	5.2	18
83	Biocide glassâ€“ceramic coating on titanium alloy and zirconium oxide for dental applications. Materials Letters, 2013, 111, 59-62.	2.6	18
84	Zirconiaâ€“aluminaâ€“nanodiamond composites with gemological properties. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	18
85	Performance of a New Al2O3/Ceâ€“TZP Ceramic Nanocomposite Dental Implant: A Pilot Study in Dogs.. Materials, 2017, 10, 614.	2.9	18
86	Experimental characterisation of high temperature creep resistance of mullite. Ceramics International, 1997, 23, 497-507.	4.8	17
87	Production of dispersed nanometer sized YAG powders from alkoxide, nitrate and chloride precursors and spark plasma sintering to transparency. Journal of Alloys and Compounds, 2010, 493, 391-395.	5.5	17
88	Calcium and Zinc Containing Bactericidal Glass Coatings for Biomedical Metallic Substrates. International Journal of Molecular Sciences, 2014, 15, 13030-13044.	4.1	17
89	Radiologic Evaluation of Bone Loss at Implants with Biocide Coated Titanium Abutments: A Study in the Dog. PLoS ONE, 2012, 7, e52861.	2.5	16
90	Evaluation in a Dog Model of Three Antimicrobial Glassy Coatings: Prevention of Bone Loss around Implants and Microbial Assessments. PLoS ONE, 2015, 10, e0140374.	2.5	16

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91	Functionally Graded Zirconâ€“Molybdenum Materials without Residual Stresses. Journal of the American Ceramic Society, 2000, 83, 454-456.	3.8	15
92	Heterogeneous precipitation of silver nanoparticles on kaolinite plates. Nanotechnology, 2010, 21, 475705.	2.6	15
93	Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. Materials Letters, 2012, 70, 113-115.	2.6	15
94	Nanostructured Alâ€“ZrAl3 materials consolidated via spark plasma sintering: Evaluation of their mechanical properties. Journal of Alloys and Compounds, 2013, 550, 402-405.	5.5	15
95	Microstructural development and mechanical performance of mullite-alumina and hibonite-alumina ceramics with controlled addition of a glass phase. Ceramics International, 2018, 44, 2292-2299.	4.8	15
96	High Temperature Behaviour of a Zircon Ceramic. Key Engineering Materials, 1997, 132-136, 571-574.	0.4	14
97	Biocide activity of diatom-silver nanocomposite. Materials Letters, 2010, 64, 2122-2125.	2.6	14
98	High density carbon materials obtained at relatively low temperature by spark plasma sintering of carbon nanofibers. International Journal of Materials Research, 2010, 101, 112-116.	0.3	14
99	Improvement of Carbon Nanofibers/ZrO₂ Composites Properties with a Zirconia Nanocoating on Carbon Nanofibers by Solâ€“Gel Method. Journal of the American Ceramic Society, 2011, 94, 2048-2052.	3.8	14
100	High-velocity suspension flame sprayed (HVSFS) soda-lime glass coating on titanium substrate: Its bactericidal behaviour. Journal of the European Ceramic Society, 2016, 36, 2653-2658.	5.7	14
101	Mechanically Stable Monoclinic Zirconiaâ€“Nickel Composite. Journal of the American Ceramic Society, 2002, 85, 2119-2121.	3.8	13
102	Spark Plasma Sintering of Ultrafine TiC_{<i>x</i>}N_{1âˆ’<i>x</i>} Powders Synthesized by a Mechanically Induced Selfâ€Sustaining Reaction. Journal of the American Ceramic Society, 2010, 93, 2252-2256.	3.8	13
103	Soda-lime glass-coating containing silver nanoparticles on Tiâ€“6Alâ€“4V alloy. Journal of the European Ceramic Society, 2012, 32, 2723-2729.	5.7	13
104	Analysis of the upconversion processes of Nd3+ ions in transparent YAG ceramics. Ceramics International, 2014, 40, 15951-15956.	4.8	13
105	Multifunctional ceramic-metal biocomposites with Zinc containing antimicrobial glass coatings. Ceramics International, 2016, 42, 7023-7029.	4.8	13
106	Interfacial reaction in zircon-alumina multilayer composites. Journal of the European Ceramic Society, 1991, 7, 27-30.	5.7	12
107	Wear behaviour, fluorescence and SEM investigations on nanocomposite zirconia-toughened alumina. Journal of Materials Science, 2006, 41, 5310-5316.	3.7	12
108	Epitaxial growth of tungsten nanoparticles on alumina and spinel surfaces. Nanotechnology, 2008, 19, 215605.	2.6	12

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109	Lithium aluminosilicate reinforced with carbon nanofiber and alumina for controlled-thermal-expansion materials. Science and Technology of Advanced Materials, 2012, 13, 015007.	6.1	12
110	Effect of yttriaâ€“titanium shellâ€“core structured powder on strength and ageing of zirconia/titanium composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 646, 96-100.	5.6	12
111	Antimicrobial activity of submicron glass fibres incorporated as a filler to a dental sealer. Biomedical Materials (Bristol), 2016, 11, 045014.	3.3	12
112	Novel antimicrobial phosphate-free glassâ€“ceramic scaffolds for bone tissue regeneration. Scientific Reports, 2020, 10, 13171.	3.3	12
113	Al2O3-ZrO2-SiO2 Ternary Glasses for Molybdenum Oxidation Barriers. Journal of the American Ceramic Society, 2005, 88, 1000-1003.	3.8	11
114	Phase development and high temperature deformation in high alumina refractory castables with dolomite additions. Journal of the European Ceramic Society, 2007, 27, 67-72.	5.7	11
115	Alumina Region of the Lithium Aluminosilicate System: A New Window for Temperature Ultrastable Materials Design. Journal of the American Ceramic Society, 2013, 96, 2039-2041.	3.8	11
116	Strong pinning effect of alumina/nanodiamond composites obtained by pulsed electric current sintering. Journal of the European Ceramic Society, 2013, 33, 2043-2048.	5.7	10
117	Spark Plasma Sintered Si₃N₄/TiN Nanocomposites Obtained by a Colloidal Processing Route. Journal of Nanomaterials, 2016, 2016, 1-9.	2.7	10
118	Water microbial disinfection via supported nAg/Kaolin in a fixed-bed reactor configuration. Applied Clay Science, 2020, 184, 105387.	5.2	10
119	Novel Technique for Zirconia-Coated Mullite. Journal of the American Ceramic Society, 1993, 76, 1869-1872.	3.8	9
120	Effect of carbon nanofibers content on thermal properties of ceramic nanocomposites. Journal of Composite Materials, 2012, 46, 1229-1234.	2.4	9
121	Aluminaâ€“Carbon Nanofibers Nanocomposites Obtained by Spark Plasma Sintering for Proton Exchange Membrane Fuel Cell Bipolar Plates. Fuel Cells, 2012, 12, 599-605.	2.4	9
122	Effect of freeze-drying treatment on the optical properties of SPS-sintered alumina. Ceramics International, 2013, 39, 6669-6672.	4.8	9
123	Nanocomposites of silver nanoparticles embedded in glass nanofibres obtained by laser spinning. Nanoscale, 2013, 5, 3948.	5.6	9
124	The non-isothermal kinetics of mullite formation in boehmiteâ€“zircon mixtures. Journal of Thermal Analysis and Calorimetry, 2014, 116, 795-803.	3.6	9
125	In vitro biofilm formation on different ceramic biomaterial surfaces: Coating with two bactericidal glasses. Dental Materials, 2019, 35, 883-892.	3.5	9
126	Glass-(nAg, nCu) Biocide Coatings on Ceramic Oxide Substrates. PLoS ONE, 2012, 7, e33135.	2.5	9

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127	Broad virus inactivation using inorganic micro/nano-particulate materials. Materials Today Bio, 2022, 13, 100191.	5.5	9
128	Microstructure and mechanical behaviour of eutectoid corundum-rutile composites. Ceramics International, 1990, 16, 375-380.	4.8	8
129	High Temperature Creep of Polycrystalline Mullite. Key Engineering Materials, 1997, 132-136, 587-590.	0.4	8
130	Subcritical crack propagation under cyclic and static loading in mullite and mullite-zirconia. Journal of the European Ceramic Society, 1998, 18, 221-227.	5.7	8
131	Application of new forming and sintering techniques to obtain hydroxyapatite and Î²-TCP nanostructured composites. International Journal of Materials Research, 2010, 101, 117-121.	0.3	8
132	Ceramic/metal nanocomposites by lyophilization: Processing and HRTEM study. Materials Research Bulletin, 2012, 47, 285-289.	5.2	8
133	Histological response of soda-lime glass-ceramic bactericidal rods implanted in the jaws of beagle dogs. Scientific Reports, 2016, 6, 31478.	3.3	8
134	Manufacturing optimisation of an original nanostructured (beta + gamma)-TiNbTa material. Journal of Materials Research and Technology, 2019, 8, 2573-2585.	5.8	8
135	Bactericidal ZnO glass-filled thermoplastic polyurethane and polydimethyl siloxane composites to inhibit biofilm-associated infections. Scientific Reports, 2019, 9, 2762.	3.3	8
136	Development of Advanced Zirconia-Toughened Alumina Nanocomposites for Orthopaedic Applications. Key Engineering Materials, 2004, 264-268, 2013-2016.	0.4	7
137	Micro/nano composites: a simple and safe way to fabricate nanomaterials. International Journal of Nanotechnology, 2007, 4, 282.	0.2	7
138	Ceramic/metal nanocomposites by lyophilization: Spark plasma sintering and hardness. Ceramics International, 2014, 40, 4135-4140.	4.8	7
139	Spark plasma sintering of zirconia/nano-nickel composites. Mechanics and Industry, 2015, 16, 703.	1.3	7
140	Black zirconia-graphene nanocomposite produced by spark plasma sintering. AIP Conference Proceedings, 2016, , .	0.4	7
141	Longerâ€lasting Al₂O₃â€SiC_wâ€TiC cutting tools obtained by spark plasma sintering. International Journal of Applied Ceramic Technology, 2017, 14, 367-373.	2.1	7
142	Effect of green body density on the properties of graphite-molybdenum-titanium composite sintered by spark plasma sintering. Journal of the European Ceramic Society, 2022, 42, 2048-2054.	5.7	7
143	Crack propagation behaviour in mullite at high temperatures by double-torsion technique. Journal of the European Ceramic Society, 1997, 17, 85-89.	5.7	6
144	Crack Growth Resistance of Zirconia Toughened Alumina Ceramics for Joint Prostheses. Key Engineering Materials, 2002, 206-213, 1535-1538.	0.4	6

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145	Creep behaviour of aluminaâ€“mulliteâ€“zirconia nanocomposites obtained by a colloidal processing route. Journal of the European Ceramic Society, 2007, 27, 4613-4621.	5.7	6
146	Laser-beam modulation to improve efficiency of selecting laser melting for metal powders. , 2014, , .		6
147	No genome-wide DNA methylation changes found associated with medium-term reduced graphene oxide exposure in human lung epithelial cells. Epigenetics, 2020, 15, 283-293.	2.7	6
148	Synthesis and sintering at low temperature of a new nanostructured beta-Eucryptite dense compact by spark plasma sintering. Ceramics International, 2020, 46, 18469-18477.	4.8	6
149	Determination of KISCC by indentation in ceramics. Journal of Materials Science, 1990, 25, 5077-5080.	3.7	5
150	Functionalization of Carbon Nanofibres Obtained by Floating Catalyst Method. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	5
151	Alumina-alumina and mullite-mullite joining by reaction sintering process. Scripta Metallurgica Et Materialia, 1994, 31, 1031-1036.	1.0	4
152	Microstructural study of CdS/opal composites. Acta Materialia, 2000, 48, 4653-4657.	7.9	4
153	Blocking of grain reorientation in self-doped alumina materials. Scripta Materialia, 2011, 64, 517-520.	5.2	4
154	Sintering of mulliteâ€“Î²-eucryptite ceramics with very low thermal expansion. International Journal of Materials Research, 2012, 103, 416-421.	0.3	4
155	Formation of Structure in Hard-Alloy Coatings from Powders Under Passage of a Powerful Pulse of Electric Current. Metal Science and Heat Treatment, 2016, 57, 596-602.	0.6	4
156	Effect of the Medium Composition on the Zn2+ Lixiviation and the Antifouling Properties of a Glass with a High ZnO Content. Materials, 2017, 10, 167.	2.9	4
157	Atomic Force Microscopy Study of the Surface Degradation Mechanisms of Zirconia Based Ceramics. Ceramic Engineering and Science Proceedings, 0, , 289-294.	0.1	4
158	SÃntesis coloidal de materiales nanoestructurados de Al-ZrAl₃: Propiedades mecÃ¡nicas mediante el ensayo miniatura de punzonado. Revista De Metalurgia, 2009, 45, 256-266.	0.5	4
159	Improvement of CNFs/SiC nanocomposite properties obtained from different routes and consolidated by pulsed electric-current pressure sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 414-419.	5.6	3
160	Influence of roughness on initial in vitro response of cells to Al2O3/Ce-TZP nanocomposite. Journal of Asian Ceramic Societies, 2021, 9, 131-141.	2.3	3
161	Fatigue behaviour of mullite studied by the indentation flexure method. Journal of the European Ceramic Society, 2001, 21, 53-61.	5.7	2
162	Antiresonance in (Ni,Zn) ferrite-carbon nanofibres nanocomposites. Materials Research Express, 2015, 2, 055003.	1.6	2

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163	Modeling of hybrid method as combined spark plasma sintering and hot pressing physical processes. Mechanics and Industry, 2015, 16, 712.	1.3	2
164	Prevention of Periodontitis by the Addition of a Bactericidal Particulate Glass/Glass-Ceramic to a Dental Resin: A Pilot Study in Dogs. Coatings, 2018, 8, 259.	2.6	2
165	Development of a novel 3D glass-ceramic scaffold for endometrial cell in vitro culture. Ceramics International, 2018, 44, 14920-14924.	4.8	2
166	High Temperature Anelastic Relaxation of Dense Zircon Bodies. Materials Science Forum, 1993, 119-121, 347-352.	0.3	1
167	Investigation of barrier layers on ceramics for silicon thin film solar cells. , 0, , .		1
168	Metakaolinâ€“nanosilver as biocide mullite precursor. International Journal of Materials Research, 2012, 103, 412-415.	0.3	1
169	Cutting tools: finite element modeling of spark plasma sintering to improve their quality. Mechanics and Industry, 2015, 16, 713.	1.3	1
170	Near-Net Shapes Al2O3â€“SiCw Ceramic Nanocomposites Produced by Hybrid Spark Plasma Sintering. , 2018, , 397-404.		1
171	Propiedades mecÃ¡nicas y tribolÃ³gicas de materiales nanoestructurados de carburo de silicio/nanofibras de carbono. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2011, 50, 109-116.	1.9	1
172	Interfacial reactions in zircon-high alumina cement composites. Acta Materialia, 1998, 46, 2415-2422.	7.9	0
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