RamÃ³n Torrecillas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9027237/publications.pdf

Version: 2024-02-01

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	Broad virus inactivation using inorganic micro/nano-particulate materials. Materials Today Bio, 2022, 13, 100191.	5.5	9
2	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
3	Adding Two Antimicrobial Glasses to an Endodontic Sealer to Prevent Bacterial Root Canal Reinfection: An In Vivo Pilot Study in Dogs. Antibiotics, 2021, 10, 1183.	3.7	0
4	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
5	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
6	Water microbial disinfection via supported nAg/Kaolin in a fixed-bed reactor configuration. Applied Clay Science, 2020, 184, 105387.	5.2	10
7	Novel antimicrobial phosphate-free glassâ€“ceramic scaffolds for bone tissue regeneration. Scientific Reports, 2020, 10, 13171.	3.3	12
8	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
9	Manufacturing optimisation of an original nanostructured (beta + gamma)-TiNbTa material. Journal of Materials Research and Technology, 2019, 8, 2573-2585.	5.8	8
10	Epigenetics in cancer therapy and nanomedicine. Clinical Epigenetics, 2019, 11, 81.	4.1	147
11	Bactericidal ZnO glass-filled thermoplastic polyurethane and polydimethyl siloxane composites to inhibit biofilm-associated infections. Scientific Reports, 2019, 9, 2762.	3.3	8
12	In vitro biofilm formation on different ceramic biomaterial surfaces: Coating with two bactericidal glasses. Dental Materials, 2019, 35, 883-892.	3.5	9
13	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
14	Near-Net Shapes Al2O3â€“SiCw Ceramic Nanocomposites Produced by Hybrid Spark Plasma Sintering. , 2018, , 397-404.		1
15	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
16	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
17	Development of a novel 3D glass-ceramic scaffold for endometrial cell in vitro culture. Ceramics International, 2018, 44, 14920-14924.	4.8	2
18	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

#	Article	IF	Citations
19	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
20	Electrically conductor black zirconia ceramic by SPS using graphene oxide. Journal of Electroceramics, 2017, 38, 119-124.	2.0	27
21	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
22	DNA methylation changes in human lung epithelia cells exposed to multi-walled carbon nanotubes. Nanotoxicology, 2017, 11, 857-870.	3.0	36
23	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
24	Performance of a New Al2O3/Ceâ€“TZP Ceramic Nanocomposite Dental Implant: A Pilot Study in Dogs.. Materials, 2017, 10, 614.	2.9	18
25	The effect of exposure to nanoparticles and nanomaterials on the mammalian epigenome. International Journal of Nanomedicine, 2016, Volume 11, 6297-6306.	6.7	78
26	Spark Plasma Sintered Si₃N₄/TiN Nanocomposites Obtained by a Colloidal Processing Route. Journal of Nanomaterials, 2016, 2016, 1-9.	2.7	10
27	Black zirconia-graphene nanocomposite produced by spark plasma sintering. AIP Conference Proceedings, 2016, , .	0.4	7
28	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
29	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
30	Antimicrobial activity of submicron glass fibres incorporated as a filler to a dental sealer. Biomedical Materials (Bristol), 2016, 11, 045014.	3.3	12
31	Microstructural design of Al2O3â€“SiC nanocomposites by Spark Plasma Sintering. Ceramics International, 2016, 42, 17248-17253.	4.8	20
32	Histological response of soda-lime glass-ceramic bactericidal rods implanted in the jaws of beagle dogs. Scientific Reports, 2016, 6, 31478.	3.3	8
33	Multifunctional ceramic-metal biocomposites with Zinc containing antimicrobial glass coatings. Ceramics International, 2016, 42, 7023-7029.	4.8	13
34	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
35	Bone tissue scaffolds based on antimicrobial SiO2â€“Na2Oâ€“Al2O3â€“CaOâ€“B2O3 glass. Journal of Non-Crystalline Solids, 2016, 432, 73-80.	3.1	19
36	Antiresonance in (Ni,Zn) ferrite-carbon nanofibres nanocomposites. Materials Research Express, 2015, 2, 055003.	1.6	2

#	Article	IF	Citations
37	Modeling of hybrid method as combined spark plasma sintering and hot pressing physical processes. Mechanics and Industry, 2015, 16, 712.	1.3	2
38	Spark plasma sintering of zirconia/nano-nickel composites. Mechanics and Industry, 2015, 16, 703.	1.3	7
39	Cutting tools: finite element modeling of spark plasma sintering to improve their quality. Mechanics and Industry, 2015, 16, 713.	1.3	1
40	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
41	Functionalization of Carbon Nanofibres Obtained by Floating Catalyst Method. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	5
42	Wear behavior of graphene/alumina composite. Ceramics International, 2015, 41, 7434-7438.	4.8	118
43	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
44	Antibacterial and Antifungal Activity of ZnO Containing Glasses. PLoS ONE, 2015, 10, e0132709.	2.5	45
45	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
46	Calcium and Zinc Containing Bactericidal Glass Coatings for Biomedical Metallic Substrates. International Journal of Molecular Sciences, 2014, 15, 13030-13044.	4.1	17
47	SEM-based system for 100nm x-ray tomography for the analysis of porous silicon. , 2014, , .		0
48	Laser-beam modulation to improve efficiency of selecting laser melting for metal powders. , 2014, , .		6
49	The non-isothermal kinetics of mullite formation in boehmiteâ€“zircon mixtures. Journal of Thermal Analysis and Calorimetry, 2014, 116, 795-803.	3.6	9
50	Zirconiaâ€“aluminaâ€“nanodiamond composites with gemological properties. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	18
51	Processing, spark plasma sintering, and mechanical behavior of alumina/titanium composites. Journal of Materials Science, 2014, 49, 3823-3830.	3.7	28
52	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
53	Analysis of the upconversion processes of Nd3+ ions in transparent YAG ceramics. Ceramics International, 2014, 40, 15951-15956.	4.8	13
54	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

#	Article	IF	Citations
55	Ceramic/metal nanocomposites by lyophilization: Spark plasma sintering and hardness. Ceramics International, 2014, 40, 4135-4140.	4.8	7
56	Synthesis and processing of spinel powders for transparent ceramics. Ceramics International, 2014, 40, 4065-4069.	4.8	19
57	A New Biocompatible and Antibacterial Phosphate Free Glass-Ceramic for Medical Applications. Scientific Reports, 2014, 4, 5440.	3.3	49
58	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
59	Microstructure and mechanical effects of spark plasma sintering in alumina monolithic ceramics. Scripta Materialia, 2013, 68, 603-606.	5.2	18
60	Processing and Spark Plasma Sintering of zirconia/titanium cermets. Ceramics International, 2013, 39, 6931-6936.	4.8	29
61	Graphene for tough and electroconductive alumina ceramics. Journal of the European Ceramic Society, 2013, 33, 3201-3210.	5.7	183
62	Effect of freeze-drying treatment on the optical properties of SPS-sintered alumina. Ceramics International, 2013, 39, 6669-6672.	4.8	9
63	Biocide glassâ€“ceramic coating on titanium alloy and zirconium oxide for dental applications. Materials Letters, 2013, 111, 59-62.	2.6	18
64	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
65	Nanocomposites of silver nanoparticles embedded in glass nanofibres obtained by laser spinning. Nanoscale, 2013, 5, 3948.	5.6	9
66	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
67	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
68	Effect of carbon nanofibers content on thermal properties of ceramic nanocomposites. Journal of Composite Materials, 2012, 46, 1229-1234.	2.4	9
69	Sintering of mulliteâ€“Î²-eucryptite ceramics with very low thermal expansion. International Journal of Materials Research, 2012, 103, 416-421.	0.3	4
70	Metakaolinâ€“nanosilver as biocide mullite precursor. International Journal of Materials Research, 2012, 103, 412-415.	0.3	1
71	Influence of different parameters on calcium hexaluminate reaction sintering by Spark Plasma. Ceramics International, 2012, 38, 5325-5332.	4.8	37
72	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

#	Article	IF	Citations
73	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
74	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
75	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
76	Ceramic/metal biocidal nanocomposites for bone-related applications. Journal of Materials Science: Materials in Medicine, 2012, 23, 1655-1662.	3.6	30
77	Ceramic/metal nanocomposites by lyophilization: Processing and HRTEM study. Materials Research Bulletin, 2012, 47, 285-289.	5.2	8
78	Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. Materials Letters, 2012, 70, 113-115.	2.6	15
79	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
80	Ceria doped alumina by Spark Plasma Sintering for optical applications. Journal of the European Ceramic Society, 2012, 32, 2917-2924.	5.7	20
81	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
82	Effect of CNFs content on the tribological behaviour of spark plasma sintering ceramicâ€“CNFs composites. Wear, 2012, 274-275, 94-99.	3.1	33
83	Glass-(nAg, nCu) Biocide Coatings on Ceramic Oxide Substrates. PLoS ONE, 2012, 7, e33135.	2.5	9
84	SinterizaciÃ³n reactiva de Hexaluminato de Calcio mediante â€œSpark Plasma Sinteringâ€• Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2012, 51, 217-221.	1.9	0
85	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
86	Blocking of grain reorientation in self-doped alumina materials. Scripta Materialia, 2011, 64, 517-520.	5.2	4
87	Solid state sintering of very low and negative thermal expansion ceramics by Spark Plasma Sintering. Ceramics International, 2011, 37, 1079-1083.	4.8	18
88	Electroconductive Aluminaâ€“TiCâ€“Ni nanocomposites obtained by Spark Plasma Sintering. Ceramics International, 2011, 37, 1631-1636.	4.8	28
89	The Development of Bioactive Glassâ€Ceramic Substrates with Biocide Activity. Advanced Engineering Materials, 2011, 13, B462.	3.5	19
90	Surface coating on carbon nanofibers with alumina precursor by different synthesis routes. Composites Science and Technology, 2011, 71, 18-22.	7.8	21

#	Article	IF	Citations
91	Reliability assessment in advanced nanocomposite materials for orthopaedic applications. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 303-314.	3.1	63
92	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
93	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
94	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
95	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
96	Spark plasma sintering of self-doped alumina powders. International Journal of Materials Research, 2010, 101, 106-111.	0.3	0
97	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
98	Biocide activity of diatom-silver nanocomposite. Materials Letters, 2010, 64, 2122-2125.	2.6	14
99	Negative thermal expansion of lithium aluminosilicate ceramics at cryogenic temperatures. Scripta Materialia, 2010, 63, 170-173.	5.2	43
100	Electrical discharge machining of ceramic/semiconductor/metal nanocomposites. Scripta Materialia, 2010, 63, 219-222.	5.2	26
101	Transparent Alumina/Ceria Nanocomposites By Spark Plasma Sintering. Advanced Engineering Materials, 2010, 12, 1154-1160.	3.5	31
102	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
103	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
104	Spark Plasma Sintering of Ultrafine TiC_xN_{1â^'x} Powders Synthesized by a Mechanically Induced Selfâ€Sustaining Reaction. Journal of the American Ceramic Society, 2010, 93, 2252-2256.	3.8	13
105	Heterogeneous precipitation of silver nanoparticles on kaolinite plates. Nanotechnology, 2010, 21, 475705.	2.6	15
106	Silver-hydroxyapatite nanocomposites as bactericidal and fungicidal materials. International Journal of Materials Research, 2010, 101, 122-127.	0.3	27
107	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
108	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

#	Article	IF	Citations
109	Transparent Yttrium Aluminium Garnet Obtained by Spark Plasma Sintering of Lyophilized Gels. Journal of Nanomaterials, 2009, 2009, 1-5.	2.7	18
110	Grain growth control and transparency in spark plasma sintered self-doped alumina materials. Scripta Materialia, 2009, 61, 931-934.	5.2	28
111	Nanotechnology in joint replacement. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 540-552.	6.1	25
112	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
113	Alumina/tungsten nanocomposites obtained by Spark Plasma Sintering. Composites Science and Technology, 2009, 69, 2467-2473.	7.8	32
114	On the transparency of nanostructured alumina: Rayleigh-Gans model for anisotropic spheres. Optics Express, 2009, 17, 6899.	3.4	62
115	Synthesis and Antimicrobial Activity of a Silver-Hydroxyapatite Nanocomposite. Journal of Nanomaterials, 2009, 2009, 1-6.	2.7	82
116	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
117	Mechanical properties of aluminaâ€“zirconiaâ€“Nb microâ€“nano-hybrid composites. Composites Science and Technology, 2008, 68, 1392-1398.	7.8	39
118	Mullite-refractory metal (Mo, Nb) composites. Journal of the European Ceramic Society, 2008, 28, 479-491.	5.7	32
119	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
120	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
121	Epitaxial growth of tungsten nanoparticles on alumina and spinel surfaces. Nanotechnology, 2008, 19, 215605.	2.6	12
122	Micro/nano composites: a simple and safe way to fabricate nanomaterials. International Journal of Nanotechnology, 2007, 4, 282.	0.2	7
123	Diamondâ€like Hardening of Alumina/Ni Nanocomposites. Advanced Engineering Materials, 2007, 9, 898-901.	3.5	29
124	Thermomechanical behavior of a zirconâ€“mullite composite. Ceramics International, 2007, 33, 655-662.	4.8	23
125	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
126	Porcelain stoneware obtained from the residual muds of serpentinite raw materials. Journal of the European Ceramic Society, 2007, 27, 2341-2345.	5.7	22

#	Article	IF	Citations
127	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
128	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
129	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
130	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
131	Wear behaviour, fluorescence and SEM investigations on nanocomposite zirconia-toughened alumina. Journal of Materials Science, 2006, 41, 5310-5316.	3.7	12
132	Silver nanoparticles supported on Î±-, Î·- and Î´-alumina. Journal of the European Ceramic Society, 2006, 26, 1-7.	5.7	33
133	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
134	Al2O3-ZrO2-SiO2 Ternary Glasses for Molybdenum Oxidation Barriers. Journal of the American Ceramic Society, 2005, 88, 1000-1003.	3.8	11
135	Microstructural Investigation of the Aging Behavior of (3Y-TZP)-Al2O3 Composites. Journal of the American Ceramic Society, 2005, 88, 1273-1280.	3.8	57
136	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
137	Nanostructured Ceramic Oxides with a Slow Crack Growth Resistance Close to Covalent Materials. Nano Letters, 2005, 5, 1297-1301.	9.1	79
138	Development of Advanced Zirconia-Toughened Alumina Nanocomposites for Orthopaedic Applications. Key Engineering Materials, 2004, 264-268, 2013-2016.	0.4	7
139	Percolative Mechanism of Aging in Zirconia-Containing Ceramics for Medical Applications. Advanced Materials, 2003, 15, 507-511.	21.0	83
140	New spinel-containing refractory cements. Journal of the European Ceramic Society, 2003, 23, 737-744.	5.7	38
141	Alumina/molybdenum nanocomposites obtained in organic media. Journal of the European Ceramic Society, 2003, 23, 2829-2834.	5.7	25
142	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
143	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
144	Crack Growth Resistance of Zirconia Toughened Alumina Ceramics for Joint Prostheses. Key Engineering Materials, 2002, 206-213, 1535-1538.	0.4	6

#	Article	IF	Citations
145	Alumina nanocomposites from powderâ€“alkoxide mixtures. Acta Materialia, 2002, 50, 1125-1139.	7.9	117
146	Crack growth resistance of alumina, zirconia and zirconia toughened alumina ceramics for joint prostheses. Biomaterials, 2002, 23, 937-945.	11.4	513
147	Mechanically Stable Monoclinic Zirconiaâ€“Nickel Composite. Journal of the American Ceramic Society, 2002, 85, 2119-2121.	3.8	13
148	Microstructure development in calcium hexaluminate. Journal of the European Ceramic Society, 2001, 21, 381-387.	5.7	119
149	Fatigue behaviour of mullite studied by the indentation flexure method. Journal of the European Ceramic Society, 2001, 21, 53-61.	5.7	2
150	Thermomechanical properties and fracture mechanisms of calcium hexaluminate. Journal of the European Ceramic Society, 2001, 21, 907-917.	5.7	77
151	Zirconia Reinforced Alumina Composites Prepared from Powder Alcoxide Mixtures: Stable Grain Size after Superplastic Stationary Creep. Key Engineering Materials, 2001, 206-213, 1001-1004.	0.4	0
152	Extending the Lifetime of Ceramic Orthopaedic Implants. Advanced Materials, 2000, 12, 1619-1621.	21.0	52
153	Microstructural study of CdS/opal composites. Acta Materialia, 2000, 48, 4653-4657.	7.9	4
154	Functionally Graded Zirconâ€“Molybdenum Materials without Residual Stresses. Journal of the American Ceramic Society, 2000, 83, 454-456.	3.8	15
155	Thermomechanical Behavior of Highâ€Alumina Refractory Castables with Synthetic Spinel Additions. Journal of the American Ceramic Society, 2000, 83, 2481-2490.	3.8	92
156	Suitability of mullite for high temperature applications. Journal of the European Ceramic Society, 1999, 19, 2519-2527.	5.7	67
157	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
158	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
159	Interfacial reactions in zircon-high alumina cement composites. Acta Materialia, 1998, 46, 2415-2422.	7.9	0
160	Reactive Coatings on Ceramic Substrates. , 1998, , 447-461.		0
161	High Temperature Behaviour of a Zircon Ceramic. Key Engineering Materials, 1997, 132-136, 571-574.	0.4	14
162	High Temperature Creep of Polycrystalline Mullite. Key Engineering Materials, 1997, 132-136, 587-590.	0.4	8

#	Article	IF	Citations
163	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
164	Thermomechanical behaviour of mullite. Acta Materialia, 1997, 45, 897-906.	7.9	38
165	Experimental characterisation of high temperature creep resistance of mullite. Ceramics International, 1997, 23, 497-507.	4.8	17
166	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
167	Thermal degradation of high performance polymersâ€"influence of structure on polyimide thermostability. Polymer Degradation and Stability, 1996, 54, 267-274.	5.8	45
168	Alumina-alumina and mullite-mullite joining by reaction sintering process. Scripta Metallurgica Et Materialia, 1994, 31, 1031-1036.	1.0	4
169	Novel Technique for Zirconia-Coated Mullite. Journal of the American Ceramic Society, 1993, 76, 1869-1872.	3.8	9
170	Microstructure and mechanical properties of mullite-zirconia reaction-sintered composites. Acta Metallurgica Et Materialia, 1993, 41, 1647-1652.	1.8	20
171	High Temperature Anelastic Relaxation of Dense Zircon Bodies. Materials Science Forum, 1993, 119-121, 347-352.	0.3	1
172	Interfacial reaction in zircon-alumina multilayer composites. Journal of the European Ceramic Society, 1991, 7, 27-30.	5.7	12
173	Determination of KISCC by indentation in ceramics. Journal of Materials Science, 1990, 25, 5077-5080.	3.7	5
174	Improved high-temperature mechanical properties of zirconia-doped mullite. Journal of Materials Science Letters, 1990, 9, 1400-1402.	0.5	18
175	Microstructure and mechanical behaviour of eutectoid corundum-rutile composites. Ceramics International, 1990, 16, 375-380.	4.8	8
176	Investigation of barrier layers on ceramics for silicon thin film solar cells. , 0, , .		1
177	Challenges and Opportunities for Spark Plasma Sintering: A Key Technology for a New Generation of Materials. , 0, , .		126
178	Atomic Force Microscopy Study of the Surface Degradation Mechanisms of Zirconia Based Ceramics. Ceramic Engineering and Science Proceedings, 0, , 289-294.	0.1	4
179	High-Temperature Anelastic Relaxation of Dense Zircon Bodies. , 0, , 421-421-10.		0