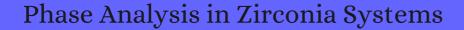
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1178	ChemInform Abstract: PHASENANALYSE IN SYST. MIT ZIRKONIUMDIOXID. 1972 , 3, no-no		
1177	Grain Boundary Precipitation in Zirconia. 1974 , 369-382		
1176	Ceramic steel?. 1975 , 258, 703-704		1915
1175	Applications of X-ray Diffraction Methods to Quantitative Chemical Analysis. 1975 , 9, 167-221		11
1174	Affect of grinding and polishing on near-surface phase transformations in zirconia. 1977 , 12, 949-954		46
1173	Stress-Induced Transformation of Tetragonal ZrO2 Particles in Ceramic Matrices. <i>Journal of the American Ceramic Society</i> , 1978 , 61, 85-86	3.8	107
1172	Nitride-Stabilized Cubic Zirconia. <i>Journal of the American Ceramic Society</i> , 1978 , 61, 369-370	3.8	57
1171	Microstructural Development in MgO-Partially Stabilized Zirconia (Mg-PSZ). <i>Journal of the American Ceramic Society</i> , 1979 , 62, 298-305	3.8	304
1170	Low-temperature specific heat of a ZrO2: Y2O3 oxygen conductor. 1980 , 21, 585-588		21
1169	Transient Thermal Stress Behavior in ZrO2-Toughened Al2O3. <i>Journal of the American Ceramic Society</i> , 1981 , 64, 37-39	3.8	106
1168	X-Ray Determination of Transformation Depths in Ceramics Containing Tetragonal ZrO2. <i>Journal of the American Ceramic Society</i> , 1981 , 64, c-72-c-73	3.8	98
1167	Kinetics and mechanism of the solid-state synthesis of fluorite in ZrO2-Y2O3-Ln2O3 (Ln=Ce,Nd,Er) systems. 1982 , 17, 3431-3436		5
1166	Measurement of the Crystallographically Transformed Zone Produced by Fracture in Ceramics Containing Tetragonal Zirconia. <i>Journal of the American Ceramic Society</i> , 1982 , 65, 284-288	3.8	240
1165	Crystallization and Transformation of Zirconia Under Hydrothermal Conditions. <i>Journal of the American Ceramic Society</i> , 1982 , 65, 343-346	3.8	125
1164	Densification of Calcia-Stabilized Zirconia with Borates. <i>Journal of the American Ceramic Society</i> , 1983 , 66, C-20-C-21	3.8	9
1163	Microstructure of Sintered Mullite-Zirconia Composites. <i>Journal of the American Ceramic Society</i> , 1983 , 66, C-125-C-127	3.8	10
1162	Study on solid electrolyte for oxygen activity measurement in steelmaking process. 1983 , 9-10, 1257-12	262	8

1161	Influence of Yttria content on phase composition and mechanical properties of Y-PSZ. <i>Ceramics International</i> , 1983 , 9, 8-12	5.1	29
1160	Electrical conductivity of Sc2O3-ZrO2 compositions by 4-probe d.c. and 2-probe complex impedance techniques. 1983 , 18, 3117-3127		26
1159	Effect of ZrO2 (ss) in mullite on the sintering and mechanical properties of mullite/ZrO2 composites. <i>Journal of Materials Science Letters</i> , 1983 , 2, 599-601		47
1158	Effect of alumina and monoclinic zirconia on the electrical conductivity of Sc2O3-ZrO2 compositions. 1983 , 18, 3230-3242		22
1157	Sintering of Zirconia with Various Stabilizers. 1983 , 42, 35-38		5
1156	Influence of Calcia Addition and Calcination Temperatures on Sintering and Stabilization of Zirconia. 1983 , 42, 5-9		5
1155	Quantitative Analysis of Monoclinic-Stabilized Cubic ZrO2 Systems by X-Ray Diffraction. <i>Journal of the American Ceramic Society</i> , 1984 , 67, C-183-C-184	3.8	44
1154	Crystalline Phase Change in Yttria-Partially-Stabilized Zirconia by Low-Temperature Annealing. Journal of the American Ceramic Society, 1984 , 67, C-212-C-213	3.8	68
1153	Calibration Curve for Quantitative Analysis of the Monoclinic-Tetragonal ZrO2 System by X-Ray Diffraction. <i>Journal of the American Ceramic Society</i> , 1984 , 67, C-119-C-121	3.8	295
1152	Obtaining strong zirconia ceramic by hardening and tempering. 1984 , 25, 617-619		
1151	Electrochemical behaviour of the surface treated composite-electrolyte/electrode interface. 1984 , 14, 379-387		1
1150	Change of tetragonal ZrO2 content in ZrO2-toughened Al2O3 by hot isostatic pressing. <i>Journal of Materials Science Letters</i> , 1984 , 3, 242-244		10
1149	Microstructure and mechanical properties of mullite/ZrO2 composites. 1984, 19, 2909-2914		66
1148	Crystallization process of cubic ZrO2 in calcium acetate solution. 1984 , 19, 2921-2926		11
1147	Electrical conductivity/microstructural relationships in aged CaO and CaO + MgO partially-stabilized zirconia. 1984 , 19, 785-793		31
1146	Measurements of the Parameter, Pominus, for the Determinations of Mixed Ionic and N-Type Electronic Conduction in Commercial Zirconia Electrolytes. 1984 , 25, 43-52		85
1145	Transformation Behavior of ZrO2-2.5 mol%Y2O3 Compact during Cyclic Annealing. 1985 , 26, 280-287		4
1144	Control of the tetragonal-to-monoclinic phase transformation of yttria partially stabilized zirconia in hot water. 1985 , 20, 3988-3992		97

1143	Mechanical properties of ZrO2-toughened Al2O3 ceramics from CVD powders. <i>Journal of Materials Science Letters</i> , 1985 , 4, 413-416	44
1142	Transformation of yttria partially stabilized zirconia by low temperature annealing in air. 1985 , 20, 1466-1470	133
1141	Multicomponent toughened ceramic materials obtained by reaction sintering. 1985 , 20, 2011-2022	55
1140	Thermal shock resistance of Mg-PSZ. 1985 , 20, 3421-3427	22
1139	Stability of Mg-PSZ in high temperature steam environment. <i>Journal of Materials Science Letters</i> , 1985 , 4, 848-850	12
1138	Thermal stability of Y2O3-partially stabilized zirconia (Y-PSZ) and Y-PSZ/Al2O3 composites. <i>Journal of Materials Science Letters</i> , 1985 , 4, 857-861	63
1137	Synthesis of SiC-ZrO2 composite containing t-ZrO2. <i>Journal of Materials Science Letters</i> , 1985 , 4, 770-772	4
1136	Transformation of Yttria-Doped Tetragonal ZrO2 Poly crystals by Annealing under Controlled Humidity Conditions. <i>Journal of the American Ceramic Society</i> , 1985 , 68, C-320-C-322	33
1135	Transformation of Yttria-Doped Tetragonal ZrO2 Polycrystals by Annealing in Water. <i>Journal of the American Ceramic Society</i> , 1985 , 68, 356-356	438
1134	The role of tetragonal and monoclinic ZrO2 particles in the fracture toughness of Al2O3?ZrO2 composites. 1985 , 71, 57-64	39
1133	Strength and Thermal Fatigue Properties of CaO-Partially Stabilized Zirconia (Ca-PSZ). 1985 , 44, 137-140	
1132	Mechanical properties of Y-PSZ after aging at low temperature. 1986 , 2, 85-98	49
1131	Preferred orientation of the transformed monoclinic phase in fracture surfaces of Y-TZP ceramics. 1986 , 2, 135-142	10
1130	Mechanical Properties and Thermal Stability of Yttria-Doped Tetragonal Zirconia Polycrystals with Diffused Ceria in the Surface. 1986 , 78, 147	6
1129	A Study of Rhombohedral Phase in Y2 O3 -Partially Stabilized Zirconia. 1986 , 78, 17	7
1128	Influence of long-term ageing upon the mechanical properties of partially stabilized zirconia (Mg-PSZ) for heat-engine applications. 1986 , 21, 2277-2282	11
1127	Shape memory behaviour in partially stabilized zirconia ceramics. 1986 , 322, 234-236	90
1126	Effect of SrO Additions on the Grain-Boundary Microstructure and Mechanical Properties of Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1986 , 69, 541-546	34

1125	Precipitation During Controlled Cooling of Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1986 , 69, 556-563	3.8	46
1124	Strength-Toughness Relations in Sintered and Isostatically Hot-Pressed ZrO2-Toughened Al2O3. Journal of the American Ceramic Society, 1986 , 69, 169-172	3.8	69
1123	Characterization of different (Me,Zr)O2 single crystals grown by the âlkull-meltingâltechnique. 1986 , 79, 331-335		14
1122	Improvement of thermal stability of yttria-doped tetragonal zirconia polycrystals by doping CeO2 on the surface. <i>Journal of Materials Science Letters</i> , 1986 , 5, 1140-1142		13
1121	Fractographic study of the alumina and zirconia particles embedded in mullite prepared by reaction sintering. 1986 , 21, 4024-4028		10
1120	Phase analysis of sintered yttriaâ⁄Zirconia ceramics by x-ray diffraction. 1986, 1, 295-299		31
1119	Preparation of Pure and Stabilizer (MgO, CeO2)-added ZrO2 Powders and their Crystallization Behaviour. 1986 , 45, 147-151		
1118	Partial and Full Stabilization of Zirconia by Calcium Chloride and Bromide Additives. 1987 , 46, 111-115		
1117	Ground Surface of Y-TZP. 1987 , 95, 1223-1225		
1116	On the chemical vapour deposition of zirconia from ZrCl4?H2?CO2?Ar gas mixture: II. An experimental approach. 1987 , 132, 273-287		29
1115	Autocatalytic effect and microstructural development during ageing of 3 mol% Y2O3-TZP. <i>Ceramics International</i> , 1987 , 13, 207-214	5.1	10
1114	Relation of transformation temperature to the fracture toughness of transformation-toughened ceramics. 1987 , 22, 76-84		64
1113	Quantitative XRD analysis of zirconia-toughened alumina ceramics. 1987 , 22, 3566-3570		41
1112	Thermal stability and mechanical properties of yttria-doped tetragonal zirconia polycrystals with dispersed alumina and silicon carbide particles. 1987 , 22, 882-886		17
1111	Phase transformations of gel-derived magnesia partially stabilized zirconias. 1987 , 22, 965-972		26
1110	Effect of dopant concentration on electrical conductivity in the Sc2O3-ZrO2 system. 1987 , 22, 4125-41	32	42
1109	Quantitative Analysis of Polymorphic Mixes of Zirconia by X-ray Diffraction. <i>Journal of the American Ceramic Society</i> , 1987 , 70, 367-376	3.8	112
1108	Sintering and Mechanical Properties of Yttria-Doped Tetragonal ZrO2 Polycrystal/Mullite	3.8	10

1107	Low-Temperature Aging of t-ZrO2 Polycrystals with 3 mol% Y2O3. <i>Journal of the American Ceramic Society</i> , 1987 , 70, 537-541	3.8	56
1106	Role of titania on the sintering, microstructure and fracture toughness of Al2O3/ZrO2 composites. Journal of Materials Science Letters, 1988, 7, 15-18		14
1105	Grain growth inhibition and mechanical property enhancement by adding ZrO2 to Al2O3 matrix. <i>Ceramics International</i> , 1988 , 14, 251-258	5.1	21
1104	Microstructure and mechanical properties of Al2O3-Cr2O3-ZrO2 composites. 1988 , 23, 1605-1609		8
1103	Mechanical properties and microstructures of co-precipitation derived tetragonal Y2O3-ZrO2-Al2O3 composites. 1988 , 23, 1805-1812		36
1102	Influence of the method of synthesis on the properties of powders of partially stabilized zirconium dioxide. I. Particle size and perfection of the crystalline structure of the powders. 1988 , 27, 641-645		2
1101	The mechanical and electrical properties of ZrO2-Nal-Al2O3 composites. 1988, 23, 958-967		24
1100	Sintering of 3 mol % Y2O3-TZP and its fracture after ageing treatment. 1988 , 23, 1195-1200		23
1099	Stability of tetragonal ZrO2 phase in Al2O3 prepared from Zr-Al organometallic compounds. 1988 , 23, 332-336		13
1098	Influence of thermal cycle on conductivity of YSZ. 1988 , 28-30, 475-479		1
1097	Measurement of electronic conductivity and phase ratio for MgO partially stabilized zirconia. 1988 , 28-30, 546-549		3
1096	Characteristics of ZrO2-Dispersed Si3N4 without Additives Fabricated by Hot Isostatic Pressing.		
	Journal of the American Ceramic Society, 1988 , 71, C-167-C-169	3.8	19
1095	Journal of the American Ceramic Society, 1988, 71, C-167-C-169 Annealing of Test Specimens of High-Toughness Magnesia-Partially-Stabilized Zirconia. Journal of the American Ceramic Society, 1988, 71, C-2-C-6	3.8	9
1095	Annealing of Test Specimens of High-Toughness Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-2-C-6 Rhombohedral Phase in Y2O3-Partially-Stabilized ZrO2. <i>Journal of the American Ceramic Society</i> .		<u> </u>
	Annealing of Test Specimens of High-Toughness Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-2-C-6 Rhombohedral Phase in Y2O3-Partially-Stabilized ZrO2. <i>Journal of the American Ceramic Society</i> ,	3.8	9
1094	Annealing of Test Specimens of High-Toughness Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-2-C-6 Rhombohedral Phase in Y2O3-Partially-Stabilized ZrO2. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-34-C-36 Phase Equilibrium and Martensitic Transformation in Lanthana-Doped Zirconia. <i>Journal of the</i>	3.8	9
1094	Annealing of Test Specimens of High-Toughness Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1988, 71, C-2-C-6 Rhombohedral Phase in Y2O3-Partially-Stabilized ZrO2. <i>Journal of the American Ceramic Society</i> , 1988, 71, C-34-C-36 Phase Equilibrium and Martensitic Transformation in Lanthana-Doped Zirconia. <i>Journal of the American Ceramic Society</i> , 1988, 71, 449-453 X-ray Determination of Transformation Zone Size in Toughened Zirconia Ceramics. <i>Journal of the</i>	3.8 3.8 3.8	9 25 52

1089	The effect of SiO2 and Al2O3 additives on the sintering of MgO-containing zirconia. 1988 , 23, 1773-178	0	4
1088	Properties of ZrO2?Al2O3 composite powders prepared from Zr?Al metallo-organic compounds. 1988, 100, 413-417		6
1087	Crystallizatioe and Transformation of Zirconia Under Hydrothermal Conditions. 1989, 210-213		
1086	Fracture toughness of (Ce) stabilized ZrO2/Al2O3 composites. <i>Ceramics International</i> , 1989 , 15, 363-368	5.1	6
1085	The effect of surface transformation on the wear behaviour of zirconia TZP ceramics. <i>Journal of the European Ceramic Society</i> , 1989 , 5, 37-45	6	29
1084	Yttria- and ceria-stabilized tetragonal zirconia polycrystals (Y-TZP, Ce-TZP) reinforced with Al2O3 platelets. <i>Journal of the European Ceramic Society</i> , 1989 , 5, 193-200	6	54
1083	Formation of monoclinic zirconia at the anodic face of tetragonal zirconia polycrystalline solid electrolytes. 1989 , 49, 13-24		25
1082	Electrical conductivity of polycrystalline tetragonal zirconia ZrO2-M2O3 (M=Sc, Y, Yb). <i>Journal of Materials Science Letters</i> , 1989 , 8, 198-200		29
1081	Study of pH influence on phase composition and mean crystallite size of pure ZrO2. <i>Journal of Materials Science Letters</i> , 1989 , 8, 243-246		10
1080	Effects of stabilization of ZrO2 by REM oxides in Al2O3-ZrO2 compositions. 1989 , 28, 874-877		
1079	Low-Temperature Sintering of Seeded Solâldel-Derived, ZrO2-Toughened Al2O3 Composites. Journal of the American Ceramic Society, 1989 , 72, 40-44	3.8	46
1078	Microstructure and Fracture Toughness of Yttria-Daped Tetragonal Zirconia Polycrystal/Mullite Composites Prepared by an in Situ Method. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 2369-237	2 ^{3.8}	27
1077	Effect of MgO Addition on the Microstructure Development of 3 mol% Y2O3â\(\mathbb{Z}\)rO2. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 228-231	3.8	8
1076	Structural Changes by Compressive Stresses of 2.0-mol%-Yttria-Stabilized Tetragonal Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 854-855	3.8	15
1075	Structural and Microstructural Changes in Zirconia in Dilute Chlorine Atmosphere. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1664-1667	3.8	14
1074	Stabilization of Cubic Zirconia by Aluminum Nitride. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1567-1568	3.8	9
1073	Phases and Microstructures in Zirconia-Calcia-Titania Multiphase Ceramics. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 912-915	3.8	8
1072	Rapid Omnidirectional Compaction of Y2O3 Stabilized Tetragonal Zirconia. 1989 , 155, 283		1

1071	Effect of Ta2O5, Nb2O5, and HfO2 Alloying on the Transformability of Y2O3-Stabilized Tetragonal ZrO2. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 115-120	1	140
1070	Mechanical Properties, Thermal Shock Resistance, and Thermal Stability of Zirconia-Toughened Alumina-10 vol% Silicon Carbide Whisker Ceramic Matrix Composite. <i>Journal of the American</i> 3.8 Ceramic Society, 1990 , 73, 740-743	2	27
1069	Measurement of Phase Abundance in Magnesia-Partially-Stabilized Zirconia by Rietveld Analysis of X-ray Diffraction Data. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 2822-2827	2	24
1068	âPolymorph MethodâlDetermination of Monoclinic Zirconia in Partially Stabilized Zirconia Ceramics. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3096-3099	2	20
1067	Surface Microstructure Changes on Laser Iteatment of MgO-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1519-1523	9)
1066	Zirconia toughened cordierite. 1990 , 25, 3982-3989	2	20
1065	Structural changes and mechanical properties of CeO2-doped tetragonal zirconia polycrystals. Journal of Materials Science Letters, 1990 , 9, 1075-1076	2	<u>2</u>
1064	Yttria tetragonal zirconia polycrystalline electrolytes for solid state electrochemical cells. 1990 , 50, 449-462	<u> </u>	55
1063	Microstructure-property relations of alumina-zirconia eutectic ceramics. 1990 , 127, 123-133	1	15
1062	Thermally induced chemical and structural changes in alumina-zirconia-silica gels during the formation of ceramic composites. 1990 , 88, 419-428	1	13
1061	Studies on Zirconia Dispersed Alumina Ceramics. 1990 , 49, 21-25	ϵ	ó
1060	Mapping materials properties with Raman spectroscopy utilizing a 2-D detector. 1990 , 29, 4969-80	4	43
1059	Preparation and Properties of Mg-PSZ by Different Processing Routes. 1991 , 50, 41-44	4	1
1058	Raman study of the phase separation in ZrO2-12 mol% CeO2 ceramic. 1991 , 80, 991-994	4	1
1057	Photoluminescent characterization of zirconia-toughened alumina (ZTA) ceramics. 1991 , 52, 903-907	1	14
1056	Strength and Phase Stability of Yttria-Ceria-Doped Tetragonal Zirconia/Alumina Composites Sintered and Hot Isostatically Pressed in Argonâ®xygen Gas Atmosphere. <i>Journal of the American 3.8 Ceramic Society</i> , 1991 , 74, 606-611	Ş	9
1055	Rapid Hot-Pressing of Ultrafine PSZ Powders. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 1547-1558	1	10
1054	Low-Temperature Aging of t?-Zirconia: The Role of Microstructure on Phase Stability. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 1811-1820	6	55

1053	Preparation, sintering, microstructure, and thermal stability of Y2O3- and CeO2-doped tetragonal zirconia ceramics. <i>Ceramics International</i> , 1991 , 17, 359-365	13
1052	Effect of CeO2 on reaction-sintered mullite-ZrO2 ceramics. 1991 , 26, 4631-4636	19
1051	Preparation and characterization of precursors of Y2O3 stabilized ZrO2 by metal-organic compounds. 1991 , 26, 5184-5188	10
1050	Hydrothermal stability of yttria- and ceria-doped tetragonal zirconia-alumina composites. 1991 , 26, 5047-505	2 ₂₅
1049	Slip casting of partially stabilized zirconia. 1991 , 26, 3649-3656	15
1048	The polymorphs of zirconia: phase abundance and crystal structure by Rietveld analysis of neutron and X-ray diffraction data. 1991 , 26, 127-134	57
1047	Mechanical Properties of Zirconia-Alumina Whisker Composite Ceramics. 1992 , 100, 613-616	12
1046	Characteristics of Cordierite-ZrO2 Composites Fabricated by the Multiphasic Sol-Gel Route. 1992 , 286, 281	
1045	The closure of indentation cracks and strength recovery by low temperature ageing in Y-TZP. 1992 , 27, 815-820	1
1044	The corrosion behaviour of ceramic materials in caustic alkaline solutions at high temperature. 1992 , 33, 591-595	10
1043	Sintering aids for ceria zirconia alloys. 1992 , 27, 2734-2738	7
1042	Fracture toughness, strength and Vickers hardness of yttria-ceria-doped tetragonal zirconia/alumina composites fabricated by hot isostatic pressing. 1992 , 27, 3511-3518	14
1041	Effect of calcination on characteristics and sintering behaviour of Al2O3-ZrO2 composite powders. 1992 , 27, 6791-6796	4
1040	Sintering and compensation effect of donor- and acceptor-codoped 3mol% Y2O3-ZrO2. 1992 , 27, 4791-4796	7
1039	Methodology for analysing the degradation of Mg-PSZ. 1992 , 27, 2218-2222	1
1038	Alumina effect on the phase transformation in vibration ball-milling zirconia(yttria) powders. <i>Journal of Materials Science Letters</i> , 1992 , 11, 669-670	2
1037	Solâtel Processed Y-PSZ Ceramics with 5 wt% Al2O3. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1032-1034	4
1036	Homogeneous Fabrication of Al2O3âØrO2âØiC Whisker Composite by Surface-Induced Coating. Journal of the American Ceramic Society, 1992 , 75, 3369-3376	38

1035	Microstructural Studies in Alkoxide-Derived Mullite/Zirconia/Silicon Carbide-Whisker Composites. Journal of the American Ceramic Society, 1992 , 75, 1254-1263	3.8	15
1034	Shape Memory-Like Effect Phenomena in a Ce-TZP/Al2O3 Composite. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2003-2005	3.8	7
1033	Grain-Size-Dependent Transformation Behavior in Polycrystalline Tetragonal Zirconia. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 493-502	3.8	200
1032	Pro- and Subeutectoid Behavior of the Tetragonal Phase in Magnesia-Partially-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 463-468	3.8	6
1031	Sintering of nanocrystalline ZrO2 and zirconia toughened alumina (ZTA). <i>Journal of the European Ceramic Society</i> , 1992 , 10, 245-253	6	44
1030	Residual stress and the stress-strain relation for Mg-PSZ. <i>Journal of the European Ceramic Society</i> , 1992 , 9, 265-270	6	2
1029	Rare earths in ceramic materials technology. <i>Materials Chemistry and Physics</i> , 1992 , 31, 37-43	4.4	1
1028	Isothermal phase transformation by aging at 250°C in 2Y-TZP powders. <i>Ceramics International</i> , 1993 , 19, 339-345	5.1	1
1027	Study of abrasive wear resistance of transformation toughened ceramics. 1993 , 165, 159-167		18
1026	Wear mechanism of ceramic tools. 1993 , 160, 227-235		26
1025	A transmission electron microscopy study of wear of magnesia partially stabilised zirconia. 1993 , 162-164, 322-331		11
1024	Thermal expansion measurements on creep tested Mg-PSZ. 1993 , 218, 113-122		
1023	Internal stress induced debonding in a zirconia-reinforced 6061 aluminium alloy composite. 1993 , 171, 1-11		13
1022	Microstructure and thermal stability of fine-grained (Y, Mg)-PSZ ceramics with alumina additions. <i>Journal of the European Ceramic Society</i> , 1993 , 11, 481-486	6	16
1021	The structure and decomposition of Al2O3-ZrO2 gels. <i>Journal of the European Ceramic Society</i> , 1993 , 11, 149-155	6	5
1020	Monoclinic-to-tetragonal transformation and crack healing by annealing in aged 2Y-TZP ceramics. Journal of Materials Science Letters, 1993, 12, 1765-1767		3
1019	Properties of magnesia-stabilized zirconia powders prepared by a combustion route. <i>Journal of Materials Science Letters</i> , 1993 , 12, 1844-1847		19
1018	Destabilization behaviour of ceria-stabilized tetragonal zirconia polycrystals by sodium sulphate and vanadium oxide melts. <i>Journal of Materials Science Letters</i> , 1993 , 12, 831-833		5

1017	Patterns of stress-induced phase transformation in MgO-stabilized zirconia ceramic revealed using micro-Raman imaging. 1993 , 28, 1031-1036		12
1016	Spontaneous martensitic transformation at room temperature in 2Y-TZP powders. <i>Journal of Materials Science Letters</i> , 1993 , 12, 976-978		
1015	Synthesis of polycrystalline alumina-zirconia fibre using chelated aluminium-zirconium precursor. 1993 , 28, 105-110		5
1014	Mechanical properties of Al2O3 particle-Y-TZP matrix composite and its toughening mechanism. 1993 , 28, 4019-4022		31
1013	Processing and properties of Y-TZP/Al2O3 composites. 1993 , 28, 6103-6106		15
1012	Structural evolution in ZrO2-Al2O3 gels during sintering. 1993 , 28, 6222-6232		6
1011	Microstructure and Some Physical Characteristics of Mg?PSZ as a Function of Stabilizer Concentration. 1993 , 136, 67-71		
1010	Influence of ZrO2 Grain Size and Content on the Transformation Response in the Al2O3-ZrO2 (12 mol% CeO2) System. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 657-663	3.8	86
1009	Homogeneous Fabrication and Densification of Cordieriteâldirconia Composites by a Mixed Colloidal Processing Route. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1482-1490	3.8	31
1008	Mechanical Properties of Hot Isostatically Pressed Zirconia-Toughened Alumina Ceramics Prepared from Coprecipitated Powders. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 2677-2680	3.8	17
1007	Transformation Driving Force for Indentation Cracking in Zirconia Ceramics. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 3144-3146	3.8	7
1006	Fibrous Monolithic Ceramics: I, Fabrication, Microstructure, and Indentation Behavior. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 2209-2216	3.8	72
1005	Behaviour of the tetragonal to monoclinic transition in hot pressed zirconia doped with 2 mol% yttria. <i>Materials Chemistry and Physics</i> , 1993 , 34, 317-320	4.4	6
1004	Phase Transformation Introduced by Mechanical and Chemical Surface Preparations of Tetragonal Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 533-535	3.8	18
1003	Reinforcement phase stability during ageing of an aluminium alloy/yttria-stabilised zirconia composite. 1993 , 29, 1189-1194		
1002	Mechanical Properties and Microstructural Character of Isopressed Reaction Sintered Mulliteâ Z irconia Composites. 1993 , 52, 47-55		1
1001	Dielectric properties of alumina/zirconia composites at millimeter wavelengths. <i>Journal of Applied Physics</i> , 1993 , 73, 7667-7671	2.5	10
1000	Tetragonal zirconia growth by nanolaminate formation. 1994 , 64, 3548-3550		49

999	The effect of sintering temperature on the kinetics of isothermal tetragonal-to-monoclinic transformation in ZrO2(2 mol% Y2O3). <i>Ceramics International</i> , 1994 , 20, 105-109	5.1	5
998	Low temperature degradation of yttria-stabilized tetragonal zirconia polycrystals under aqueous solutions. 1994 , 209, 326-331		26
997	Formation and hot isostatic pressing of ZrO2 solid solution in the system ZrO2-Al2O3. 1994 , 29, 4913-49	17	25
996	Microstructural development of the isothermal phase transformation during ageing at 250 °C in 2Y-TZP ceramics. 1994 , 29, 136-140		7
995	Acoustic emission study of phase relations in low-Y2O3 portion of ZrO2-Y2O3 system. 1994 , 29, 3363-33	71	10
994	Hot isostatic pressing of tetragonal ZrO2 solid-solution powders prepared from acetylacetonates in the system ZrO2-Y2O3-Al2O3. 1994 , 29, 3719-3723		5
993	Obtaining and sintering yttria stabilized zirconia (YSZ) powders from alkoxides. 1994 , 2, 347-352		4
992	Driving force for cracking by indentation in ceramics containing transformable particles. <i>Journal of Materials Science Letters</i> , 1994 , 13, 1153-1156		
991	Effect of SiC on the mechanical properties of 3Y-TZP/SiC composites. <i>Journal of Materials Science Letters</i> , 1994 , 13, 974-976		9
990	Microstructure of zirconia-(MnZn ferrite) composites. 1994 , 188, 327-334		10
989	Raman spectroscopic studies of phase transformations induced by a notch cut on a 3Y-TZP sample. 1994 , 174, L37-L40		1
988	Aging effects on the characteristics and sintering behavior of coprecipitated Al2O3?ZrO2 powders. Ceramics International, 1994 , 20, 379-384	5 .1	11
987	Surface crack initiation in 2Y-TZP ceramics by low temperature aging. <i>Ceramics International</i> , 1994 , 20, 413-418	5.1	14
986	Microstructure and fracture behavior of an Al2O3?ZrO2?SiCw ceramic composite. <i>Ceramics International</i> , 1994 , 20, 91-97	5.1	5
985	Metastable zirconia phases prepared from zirconium alkoxide and yttrium acetylacetonate Part 2: Hot isostatic pressing of tetragonal zirconia solid solution powders. 1994 , 29, 277-285		1
984	Fracture StrengthâĦracture Resistance Response and Damage Resistance of Sintered Al2O3âĦrO2 (12 mol% CeO2) Composites. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2689-2692	3.8	6
983	Creep of Mg-PSZ at Room Temperature. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 617-624	3.8	15
982	Relationship between Fracture. Toughness and Phase Assemblage in Mg-PSZ. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 571-579	3.8	55

981	Tape Casting of Fine Alumina/Zirconia Powders for Composite Fabrication. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2137-2144	46
980	A new type of nanocomposite in tetragonal zirconia polycrystal-molybdenum system. 1994 , 20, 299-304	18
979	Modelling the growth kinetics of sputter-deposited nanocrystalline zirconia films. 1994, 4, 257-263	15
978	Multiple low angles of incidence x-ray-diffraction method for nondestructively determining the depth-dependent fraction of a phase in the surface layer. <i>Journal of Applied Physics</i> , 1994 , 76, 3511-3515 ^{2.5}	4
977	The Effect of Layer Thickness on Polycrystalline Zirconia Growth in Zirconia-Alumina Multilayer Nanolaminates. 1994 , 343, 481	8
976	Zirconia powders and Zircaloy oxide films: tetragonal phase evolution during 400°C autoclave tests. 1995 , 226, 34-43	71
975	Influence of calcination temperature on the properties of spray dried alumina-zirconia composite powders. 1995 , 30, 3515-3520	1
974	Sintering and compensation effect of donor and acceptor codoped 3 mol% Y2O3-ZrO2. 1995 , 30, 1321-1326	1
973	Preparation and properties of niobia- and tantala-doped orthorhombic zirconia. <i>Journal of Materials Science Letters</i> , 1995 , 14, 1580-1582	15
972	Suppression of the phase transformation of ZrO2 and PSZ in colloidally processed zirconia-alumina composites. <i>Journal of Materials Science Letters</i> , 1995 , 14, 1135-1137	
971	Surface Precipitation Route for the Development of Cordierite-Zirconia Composites. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 723-727	9
970	Transformation Toughening and Fracture Behavior of Molybdenum Disilicide Composites Reinforced with Partially Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1481-1488	22
969	Crack Propagation Behavior of Y-TZP Ceramics. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1889-18894	24
968	Compaction and sintering behaviour of sol-gel powders. <i>Journal of the European Ceramic Society</i> , 1995 , 15, 469-477	13
967	Influences of surface roughness and phase transformations induced by grinding on the strength of ZrO2?Y2O3. 1995 , 17, 117-123	8
966	Influence of some variables of the precipitation process on the structural characteristics of fine zirconia powders. 1995 , 256, 391-398	19
965	Grinding of sol-gel derived alumina-zirconia composites. 1995 , 13, 359-363	4
964	Toughening in lanthanum chromite due to metastable phase. 1996 , 34, 913-917	2

963	Effect of Sintering Atmosphere on Microstructure and Mechanical Properties of TiO2-Added Zirconia-Toughened Alumina (Part 2). 1996 , 104, 1-5		3
962	Microstructural Dependence of Aging-Induced Phase Transformation in Y2O3-Partially-Stabilized ZrO2 Polycrystals. 1996 , 37, 1171-1176		10
961	Electrical and mechanical properties of composites and their laminated materials. 1996 , 31, 405-411		1
960	Electrical and mechanical properties of composites and their laminated materials. 1996 , 31, 397-404		1
959	Hot isostatic pressing of TiB2-ZrO2(2 mol% Y2O3) composite powders. 1996 , 31, 787-792		29
958	Kinetics of isothermal transition from tetragonal to monoclinic phase in ZrO2(2 mol%Y2O3) ceramic. <i>Materials Chemistry and Physics</i> , 1996 , 44, 67-73	·4	5
957	Residual stress evolution during the thermal cycling of plasma-sprayed zirconia coatings. <i>Surface and Coatings Technology</i> , 1996 , 80, 295-302	·4	17
956	A new destabilization phenomenon in fully-stabilized zirconia. <i>Journal of Materials Science Letters</i> , 1996 , 15, 38-39		8
955	Effects of surface-finishing condition and annealing on transformation sensitivity of a 3 mol.% Y2O3 stabilized tetragonal zirconia surface under interaction of lubricant. 1996 , 194, 204-211		11
954	Residual stresses and transformation toughening in MoSi2 composites reinforced with partially stabilized zirconia. 1996 , 210, 25-41		12
953	The measurement of surface contact fatigue and its application to engineering ceramics. 1996 , 209, 116-1	127	9
952	Ageing of zirconia-toughened alumina ceramics under different hydrothermal conditions. <i>Journal of the European Ceramic Society</i> , 1996 , 16, 613-617		8
951	Mechanical properties of alumina-metal-zirconia nano-micro hybrid composites. <i>Journal of the European Ceramic Society</i> , 1996 , 16, 937-943		7
950	Growth and characterization of oxide layers on zirconium alloys. 1996 , 229, 79-92		49
949	Combustion synthesis and properties of mullite-zirconia composites. 1996 , 31, 5773-5779		5
948	Effects of alloying elements on the tensile properties and oxidation behavior of modified Zircaloy-4 in 360°C water. 1996 , 238, 211-217		21
947	A simple method for the preparation of plasma-sprayable powders based on ZrO2. 1996 , 31, 6325-6332		8
946	Formation and sintering of 75 mol% alumina/25 mol% zirconia (2âB.5 mol% yttria) composite powder prepared by the hydrazine method. 1996 , 31, 204-208		5

945	Toughening mechanisms and properties of mullite matrix composites reinforced by the addition of SiC particles and Y-TZP. 1996 , 31, 4847-4852	9
944	Microstructural and chemical stability of Y-ZrO2 reinforced 🛭 alumina in molten sodium sulfide and sulfur. 1996 , 31, 4939-4944	
943	Mechanical properties of sinter-forged Al2O3-ZrO2 ceramics. 1996 , 31, 4991-4995	16
942	Alumina-mullite-zirconia composites. 1996 , 31, 5083-5092	6
941	Synthesis and characterization of CaO-stabilized ZrO2 fine powders for oxygen ionic conductors. 1996 , 31, 2833-2838	12
940	Microstructure and mechanical behaviour of 3Y-TZP/Mo nanocomposites possessing a novel interpenetrated intragranular microstructure. 1996 , 31, 2849-2858	32
939	An in-situ investigation on the critical phase transformation stress of tetragonal zirconia polycrystalline ceramics. 1996 , 31, 6523-6527	21
938	Effects of SiC whiskers on the t-m ZrO2 phase transformation in ceramic matrix composites. <i>Journal of Materials Science Letters</i> , 1996 , 15, 1267-1270	5
937	Reaction-Bonded Mullite/Zirconia Composites. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 248-2568	45
936	X-ray Photoelectron Spectroscopy Investigation on the Low-Temperature Degradation of 2 mol% Y2O3-ZrO2 Ceramics. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 3109-3112	36
935	Phase Transformation of ZrO2 in MnZn-Ferrite under Magnetic Field. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 559-561	8
934	Influence of Calcination Temperature on the Microstructure and Mechanical Properties of a Gel-Derived and Sintered 3 mol% Y-TZP Material. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1034-104	o ⁹
933	Monoclinic Phase Measurement in Mg-PSZ Using X-ray Diffraction. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2477-2480	
932	Development of novel microstructures in zirconia-toughened alumina using rapid solidification and shock compaction. 1996 , 11, 110-119	8
931	Thermodynamics of tetragonal zirconia formation in a nanolaminate film. <i>Journal of Applied Physics</i> , 1996 , 79, 1176	70
930	Transformation Characteristics of Ce-TZP during Shape Memory Cycles. 1997 , 38, 906-909	2
929	Ultrafine zirconia powders via microemulsion processing route. 1997 , 8, 499-505	32
928	A method for the quantitative phase analysis of ZrO2 films grown on Zr-2.5% Nb pressure tubes. 1997 , 245, 147-151	16

Effect of the loading rate on the mechanical properties of polycrystalline samples of a ZrO2-3 mol. 927 % Y2O3 solid solution. 1997, 39, 783-786 Low-temperature phase stability and mechanical properties of Y2O3-and Nb2O5-co-doped 926 23 tetragonal zirconia polycrystal ceramics. Journal of Materials Science Letters, 1997, 17, 185-187 Electrical and mechanical properties of ZrO2(2Y)/TiN composites and laminates made from these 925 7 materials. 1997, 32, 583-587 Subsolidus phase relationships in the ZrO2-rich part of the ZrO2adr3N4 system. 1997, 32, 1357-1363 924 33 Fine dissociated zircon powders produced by a plasma-spray atomization process. Journal of 6 923 Materials Science Letters, 1997, 16, 1141-1144 Properties of zirconia-toughened mullite ceramics improved by B2O3 additive. 1997, 32, 2151-2154 922 Influence of a small amount of Al2O3 addition on the transformation of Y2O3-partially stabilized 36 921 ZrO2 during annealing. 1997, 32, 1149-1153 Intermediate rhombohedral (r-ZrO2) phase formation at the surface of sintered Y-TZP's. Journal of 920 19 Materials Science Letters, 1997, 16, 883-885 Phase transformation of yttria-stabilized zirconia plasma-sprayed coatings in a humid atmosphere. 5 919 **1997**, 32, 6291-6297 918 Phase analysis by variable-incidence X-ray diffraction: Application to zirconium oxidation. 1997, 48, 329-345 17 Effect of grain size on the kinetics of isothermal tetragonal to monoclinic transformation in ZrO2(2 6 917 16 mol%Y2O3) ceramics. Journal of the European Ceramic Society, 1997, 17, 1729-1739 Dense zirconia-SiC platelet composites made by pressureless sintering and hot pressing. Journal of 916 9 the European Ceramic Society, 1997, 17, 913-920 Sintering and mechanical properties of sol-gel derived alumina-zirconia composites. 1997, 67, 67-70 915 10 Electroforming of nickel and partially stabilized zirconia (Ni + PSZ) gradient coating. Surface and 914 4.4 17 Coatings Technology, 1997, 91, 131-135 Synthesis and Characterization of Oxynitrides in the ZrO2-Rich Part of the Systems CaâZrâDâN and 913 25 MgâØrâØaN. **1997**, 128, 282-288 Processing character of MgO-partially stabilized zirconia (PSZ) in size grading prepared by injection 6 912 molding. Journal of the European Ceramic Society, 1998, 18, 2107-2116 Effect of yttria on mechanical and microstructural properties of reaction sintered mullite-zirconia 6 911 24 composites. Journal of the European Ceramic Society, 1998, 18, 1771-1777 Corrosion of zirconia ceramics in acidic solutions at high pressures and temperatures. Journal of the 6 910 24 European Ceramic Society, **1998**, 18, 2373-2376

909	Vickers hardness study of zirconia partially stabilized with lanthanide group oxides. <i>Materials Chemistry and Physics</i> , 1998 , 53, 48-54	4.4	19
908	Fabrication and Mechanical Properties of Continuously Graded WSi2âldrO2(2Y) Materials Using Wet-Molding. 1998 , 33, 627-633		1
907	Influence of pH on the stability of low temperature t-ZrO2. 1998 , 59, 879-885		26
906	Transmission electron microscopy study of zirconiaâllumina nanolaminates grown by reactive sputter deposition. Part I: zirconia nanocrystallite growth morphology. 1998 , 326, 106-116		35
905	The effect of TiO2 addition on strengthening and toughening in intragranular type of 12Ce-TZP/Al2O3 nanocomposites. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 209-219	6	66
904	Thermal stability and microstructural development of fine-grained (Y,Mg)?PSZ/MgAl2O4 ceramics. Journal of the European Ceramic Society, 1998 , 18, 647-651	6	3
903	Phase relationships in the ZrO2-rich part of the systems Y-Zr-N-O, Ca-Zr-N-O, and Mg-Zr-N-O up to temperatures of 1150 °C. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 1787-1793	6	17
902	Microstructure effects in the X-ray powder diffraction profile of 9 mol% Mg-PSZ. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 2247-2252	6	5
901	Effect of cubic phase on the kinetics of the isothermal tetragonal to monoclinic transformation in ZrO2(3mol% Y2O3) ceramics. <i>Ceramics International</i> , 1998 , 24, 35-43	5.1	19
900	Microstructural design and mechanical properties of a ternary partially stabilised zirconia alloy. <i>Ceramics International</i> , 1998 , 24, 45-51	5.1	2
899	The role of Y2O3 in fine-grained (Y,Mg)-PSZ/MgAl2O4 during long term heat treatment. <i>Ceramics International</i> , 1998 , 24, 175-179	5.1	
898	Effect of Nb2O5 and Y2O3 alloying on the mechanical properties of TZP ceramics. <i>Ceramics International</i> , 1998 , 24, 461-465	5.1	8
897	Tough and strong Ce-TZP/Alumina nanocomposites doped with titania. <i>Ceramics International</i> , 1998 , 24, 497-506	5.1	148
896	Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol. 1998 , 13, 363-368		7
895	Toughening of hot-pressed ZrSiO4 ceramics by addition of Y-TZP. 1998 , 35, 161-165		9
894	Reactive spulter deposition of ceramic oxide nanolaminates: ZrO2âAl2O3 and ZrO2âI⁄2O3 model systems. 1998 , 14, 421-426		6
893	The Energetics of Cubic Zirconia from Solution Calorimetry of Yttria- and Calcia-Stabilized Zirconia. 1998 , 207, 59-65		23
892	Mechanical Properties of Hot-Pressed TZP Ceramics Doped with Y2O3 and Nb2O5. 1998 , 39, 262-267		1

891	Correlation between surface nanotopography and sintering behaviour of zirconia powders. 1999 , 10, 90-96	2
890	Crystallization and degradation of zirconium oxide in various pH solutions. 1999 , 270, 165-173	11
889	Long-term oxidation characteristics of oxygen-added modified Zircaloy-4 in 360°C water. 1999 , 273, 177-181	13
888	Microwave processing and properties of ceramics with different dielectric loss. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 381-387	98
887	Thermal characteristics of a Zr(B,C,N) coated layer manufactured by the PACVD process. <i>Surface and Coatings Technology</i> , 1999 , 112, 230-235	4
886	The effect of surface GeO2-doping and CeO2-doping on the degradation of 2Y-TZP ceramic on annealing in water at 200°C. 1999 , 20, 297-301	3
885	Synthesis and characterization of submicron zirconiaâl 2 mol% ceria ceramics. <i>Ceramics International</i> , 1999 , 25, 345-351	24
884	XPS characterisation of ceria-stabilised zirconia doped with iron oxide. 1999 , 144-145, 228-232	7
883	Nanocrystallization and Phase Transformation in Monodispersed Ultrafine Zirconia Particles from Various Homogeneous Precipitation Methods. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 2313-2320	94
882	The effect of surface grinding and sandblasting on flexural strength and reliability of Y-TZP zirconia ceramic. <i>Dental Materials</i> , 1999 , 15, 426-33	561
881	Microwave processing and properties of Ceâ¶â¶rO2 ceramics with 2.45 GHz irradiation. 1999 , 38, 190-196	27
880	Phase stability of (Y,NB)-TZP/Al2O3 composites under low temperature hydrothermal conditions. 1999 , 39, 221-226	15
879	Differences in the Tetragonal to Monoclinic Phase Transformation Rate in Hot Water of 3mol% Y2O3-ZrO2 Ceramics under Different Surface Conditions 1999 , 107, 92-95	9
878	Impedance Spectroscopy Investigation on the Low-Temperature Degradation of Tetragonal Zirconia: Influence of Measurement Conditions. 1999 , 591, 97	
877	Plasma Spraying of Al2O3 and ZrSiO4 to Form ZrO2- Mullite Composites. 1999 , 14, 661-677	4
876	Nanostructured ceramic coatings: engineering on an atomic scale. 1999 , 15, 195-204	3
875	Preparation of Y2O3 stabilised ZrO2 ceramic nanopowders by surface doping. 1999 , 15, 755-760	2

(2001-2000)

873	Synthesis, Sintering and Transformability of Chemically Derived Eu2O3-ZrO2 Tetragonal Solid Solutions 2000 , 108, 593-597		2
872	Strength and reliability of surface treated Y-TZP dental ceramics. 2000 , 53, 304-13		276
871	Thermal iodine release of surface-implanted iodine in zirconia and its affect on hull disposal. 2000 , 279, 153-161		3
870	In situ XRD analysis of the oxide layers formed by oxidation at 743 K on Zircaloy 4 and ZrâllNbO. 2000 , 280, 318-330		126
869	The luminescence of ZrâEuâDâN materials. 2000 , 61, 1301-1309		16
868	Mechanical and thermal shock properties of size graded MgOâ B SZ refractory. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 1159-1167	6	25
867	Effect of BaTiO3 addition on structures and mechanical properties of 3Y-TZP ceramics. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 1153-1158	6	30
866	Chromaticity, hydrothermal stability, and mechanical properties of t-ZrO2/Al2O3 composites doped with yttrium, niobium, and ferric oxides. 2000 , 289, 1-7		12
865	Zirconia-spinel composites. Part I: synthesis of powders and dense materials. 2000, 35, 1967-1977		7
864	Pressureless sintered 3Y-TZP/20%Al2O3 composite ceramic. 2000 , 7, 12-14		
864	Pressureless sintered 3Y-TZP/20%Al2O3 composite ceramic. 2000, 7, 12-14 Energetics of oxidation of oxynitrides: ZrâNâD, YâZrâNâD, CaâZrâNâD, and MgâZrâNâD. 2000, 15, 2558	3-2570	18
, i		3-2570	18
863	Energetics of oxidation of oxynitrides: ZrâNâD, YâZrâNâD, CaâZrâNâD, and MgâZrâNâD. 2000, 15, 2558 Thermomechanical fatigue characterization of zirconia (8%Y2O3-ZrO2) and mullite thermal barrier		
863	Energetics of oxidation of oxynitrides: ZrâNâD, YâZrâNâD, CaâZrâNâD, and MgâZrâNâD. 2000, 15, 2558 Thermomechanical fatigue characterization of zirconia (8%Y2O3-ZrO2) and mullite thermal barrier coatings on diesel engine components: Effect of coatings on engine performance. 2000, 214, 729-742		17
863 862 861	Energetics of oxidation of oxynitrides: ZrâNâD, YâZrâNâD, CaâZrâNâD, and MgâZrâNâD. 2000, 15, 2558. Thermomechanical fatigue characterization of zirconia (8%Y2O3-ZrO2) and mullite thermal barrier coatings on diesel engine components: Effect of coatings on engine performance. 2000, 214, 729-742. The phases and the toughening mechanisms in (Y)ZrO2âAl2O3â(Ti, W)C ceramics system. 2000, 43, 197-8.		7
863 862 861	Energetics of oxidation of oxynitrides: ZrâNâD, YâZrâNâD, CaâZrâNâD, and MgâZrâNâD. 2000, 15, 2558 Thermomechanical fatigue characterization of zirconia (8%Y2O3-ZrO2) and mullite thermal barrier coatings on diesel engine components: Effect of coatings on engine performance. 2000, 214, 729-742 The phases and the toughening mechanisms in (Y)ZrO2âAl2O3â(Ti, W)C ceramics system. 2000, 43, 197- Crystallization behaviors in the plasma-spheroidized alumina/zircon mixtures. 2001, 48, 57-63 Impedance spectroscopy study of ionic diffusion in polycrystalline ZrO2:Y2O3 solid solution. 2001,		7
863 862 861 860 859	Energetics of oxidation of oxynitrides: ZrâNâD, YâZrâNâD, CaâZrâNâD, and MgâZrâNâD. 2000, 15, 2558. Thermomechanical fatigue characterization of zirconia (8%Y2O3-ZrO2) and mullite thermal barrier coatings on diesel engine components: Effect of coatings on engine performance. 2000, 214, 729-742. The phases and the toughening mechanisms in (Y)ZrO2âAl2O3â(Tri, W)C ceramics system. 2000, 43, 197-Crystallization behaviors in the plasma-spheroidized alumina/zircon mixtures. 2001, 48, 57-63. Impedance spectroscopy study of ionic diffusion in polycrystalline ZrO2:Y2O3 solid solution. 2001, 699, 881		17 7 21

855	The oxidation kinetics and the structure of the oxide film on Zircaloy before and after the kinetic transition. 2001 , 294, 148-153		14
854	Phase transformation of stabilised zirconia in water and 1.0 M LiOH. 2001 , 295, 126-130		7
853	Phase transformation of polycrystalline zirconia induced by swift heavy ion irradiation. 2001 , 295, 121-12	25	48
852	Investigation on the oxidation characteristics of copper-added modified Zircaloy-4 alloys in pressurized water at 360°C. 2001 , 297, 113-119		32
851	Degradation of yttria stabilized zirconia at 370 K under a low applied stress. 2001 , 297, 26-30		25
850	Preparation and optical properties of Zrâlleâldâld materials. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 595-601	6	6
849	Tetragonal-to-monoclinic phase transformation in CeO2-stabilised zirconia under uniaxial loading. Journal of the European Ceramic Society, 2001 , 21, 2229-2241	6	25
848	Low-temperature ageing of zirconia-toughened mullite composites. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2911-2915	6	3
847	Sintering and Microstructure Modification of Mullite/Zirconia Composites Derived from Silica-Coated Alumina Powders. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 850-858	3.8	13
846	Influence of Tetragonality on Tetragonal-to-Monoclinic Phase Transformation during Hydrothermal Aging in Plasma-Sprayed Yttria-Stabilized Zirconia Coatings. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 1037-1042	3.8	13
845	Growth of Tetragonal Zirconia Coatings by Reactive Sputter Deposition. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 2841-2844	3.8	24
844	Phase transformation induced in pure zirconia by high energy heavy ion irradiation. 2001 , 175-177, 417-4	21	57
843	Dramatic change of the kinetics of the phase transition induced in pure zirconia by swift heavy-ion irradiation. 2002 , 60, 580-586		10
842	Green Density-based Sintering Predictions. 2002 , 17, 89-97		5
841	Low temperature ageing in water vapor and mechanical properties of ZTA ceramics. 2002 , 56, 1014-1018	3	13
840	Effect of liquid-forming additives on the sintering and mechanical properties of Al2O3/3Y-TZP (30 vol.%) composite. 2002 , 37, 1709-1719		10
839	Alumina nanocomposites from powderâllkoxide mixtures. 2002 , 50, 1125-1139		105
838	Nanocrystalline tetragonal zirconium oxide stabilization at low temperatures by using rare earth ions: Sm3+ and Tb3+. 2002 , 20, 263-271		33

(2003-2002)

837	Quantitative characterization of various tetragonal zirconia polycrystals (TZPs). <i>Journal of the European Ceramic Society</i> , 2002 , 22, 199-207	6	9
836	Influence of alumina particle size on fracture toughness of (Y,Nb)-TZP/Al2O3 composites. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 2173-2179	6	14
835	Experimental study of the SnO2âdrO2 phase diagram. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 2297-2303	6	13
834	Effects of Sr2Nb2O7 additive on microstructure and mechanical properties of 3YâIIZP/Al2O3 ceramics. <i>Ceramics International</i> , 2002 , 28, 209-215	5.1	18
833	Preparation and properties of Y2O3 containing zirconiaathullite composites derived from sillimanite beach sand. <i>Ceramics International</i> , 2002 , 28, 311-318	5.1	6
832	Effect of TiO2 addition on the stability of t-ZrO2 in mulliteâ¤rO2 composites prepared from various starting materials. <i>Ceramics International</i> , 2002 , 28, 447-450	5.1	31
831	In situ formation of LaAl11O18 rodlike particles in ZTA ceramics and effect on the mechanical properties. <i>Ceramics International</i> , 2002 , 28, 699-704	5.1	35
830	Influence of dilute silicon addition on the oxidation resistance and tensile properties of modified Zircaloy-4. 2002 , 304, 8-14		13
829	Fabrication and Characterization of Cordierite/Zircon Composites by Reaction Sintering: Formation Mechanism of Zircon. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 1430-1434	3.8	14
828	Relationship between Transformation Temperature and Time-Temperature-Transformation Curves of Tetragonal-to-Monoclinic Martensitic Transformation in Zirconia-Yttria System. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2102-2106	3.8	16
827	Low-frequency internal friction of polycrystalline ZrO2-4 mol % Y2O3 in the temperature range 273âB73 K. 2002 , 44, 1323-1326		
826	Degration of partially stabilized zirconia ceramics under an applied stress. 2003, 18, 17-19		2
825	Synthesis, characterisation and properties of Ni/PSZ and Ni/YSZ nanocomposites. 2003, 48, 507-512		35
824	Kinetics of the crystalline to crystalline phase transformation induced in pure zirconia by swift heavy ion irradiation. 2003 , 206, 132-138		34
823	Influence of Nb concentration in the ⊞matrix on the corrosion behavior of Zrâ⊠Nb binary alloys. 2003 , 323, 72-80		63
822	Effect of Mo addition on the corrosion resistance of Zr-based alloy in water containing LiOH. 2003 , 321, 238-248		13
821	Effect of magnesia additions on the properties of zirconiaâfhullite composites derived from sillimanite beach sand. <i>Ceramics International</i> , 2003 , 29, 573-581	5.1	14
820	Microstructures and mechanical properties of Sr2Nb2O7-toughened 3Y-TZP ceramics. <i>Ceramics International</i> , 2003 , 29, 635-640	5.1	5

819	Microstructure and mechanical properties of ZTA fabricated by liquid phase sintering. <i>Ceramics International</i> , 2003 , 29, 765-769	5.1	38
818	Analysis of non-elastic strain produced in zirconia ceramics. 2003 , 346, 75-82		11
817	Study of factors influencing the microstructure and phase content of ultrafine Y-TZP. 2003 , 99, 321-324		18
816	Structure and phase component of ZrO2 thin films studied by Raman spectroscopy and X-ray diffraction. 2003 , 104, 163-168		27
815	Optical properties of europium containing zirconium oxynitrides. 2003 , 24, 547-554		17
814	Viscous flow sintering of bioactive glass-ceramic composites toughened by zirconia particles. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 675-683	6	36
813	Low-temperature ageing of zirconia-toughened alumina ceramics and its implication in biomedical implants. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2975-2982	6	136
812	Effects of Oxygen Partial Pressure on the Nucleation Behavior and Morphology of Chemically-Vapor-Deposited Zirconia on Hi-Nicalon Fiber and Si. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 2031-2036	3.8	9
811	Measurements of hydrogen permeation and absorption in zirconium oxide scales. 2003 , 312, 134-140		26
810	Thermodynamics of the tetragonal-to-monoclinic phase transformation in fine and nanocrystalline yttria-stabilized zirconia powders. 2003 , 18, 2912-2921		52
809	Phase stability of Y + Gd Co-Doped Zirconia. 2003 , 94, 163-170		42
808	Low Temperature Stability of Zirconia/Alumina Hip Joint Heads. 2003, 240-242, 831-834		7
807	Strengthening Mechanism of Ceria-Doped Tetragonal Zirconia Polycrystals by Heat Treatment in Reducing Atmosphere. 2003 , 111, 252-256		3
806	Cost-Effective Grinding of Zirconia Using the Dense Vitreous Bond Silicon Carbide Wheel. 2003 , 125, 297-303		13
805	Influence of Preparation Routes on the Surface Degradation of ATZ Ceramics. 2004 , 264-268, 1001-1004	ļ	
804	Surface Relief Associated with Isothermal Martensite in ZirconiaâB-mol%-Yttria Ceramics Observed by Atomic Force Microscopy. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 2921-2923	3.8	26
803	Processing and Mechanical Behavior of CrN/ZrO2(2Y) Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 448-450	3.8	6
802	ZrO2 Nanopowders Prepared by Low-Temperature Vapor-Phase Hydrolysis. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1077-1080	3.8	29

801	Improving the Durability of a Biomedical-Grade Zirconia Ceramic by the Addition of Silica. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 401-407	3.8	47
800	A ZrO2 (3Y) Matrix Composite Toughened with Fe3Al Intermetallic. <i>Journal of the American Ceramic Society</i> , 2004 , 88, 235-238	3.8	13
799	ZrO2/ZrO2 Layered Composites for Crack Bifurcation. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1512-1518	3.8	58
798	Dissolution of Yttrium Ions and Phase Transformation of 3Y-TZP Powder in Aqueous Solution. Journal of the American Ceramic Society, 2004 , 82, 1614-1616	3.8	3
797	Low-Temperature Aging of Y-TZP Ceramics. Journal of the American Ceramic Society, 2004, 82, 2150-21	54 j.8	458
796	Subcritical Crack Propagation in 3Y-TZP Ceramics: Static and Cyclic Fatigue. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3129-3138	3.8	121
795	Texture formation on the friction surface in transformation-toughened ceramics. 2004 , 30, 12-14		5
794	Evolution of the phase composition and physicomechanical properties of ZrO2 + 4 mol % Y2O3 ceramics. 2004 , 46, 254-257		5
793	Determination of the hardness of materials featuring phase transitions. 2004 , 30, 804-805		
792	Swift heavy ion induced crystalline-to-crystalline phase transition in zirconia and hafnia: a comparative study. 2004 , 218, 451-456		33
=0<	Minture - € 6 6		
791	Mixture of fuels approach for the solution combustion synthesis of Al2O3âdrO2 nanocomposite. 2004 , 39, 157-167		95
79 ¹		5.7	95 573
	2004, 39, 157-167 Strength, fracture toughness and microstructure of a selection of all-ceramic materials. Part II.		573
790	2004, 39, 157-167 Strength, fracture toughness and microstructure of a selection of all-ceramic materials. Part II. Zirconia-based dental ceramics. <i>Dental Materials</i> , 2004, 20, 449-56		573
790 789	2004, 39, 157-167 Strength, fracture toughness and microstructure of a selection of all-ceramic materials. Part II. Zirconia-based dental ceramics. <i>Dental Materials</i> , 2004, 20, 449-56 Modeling the aging kinetics of zirconia ceramics. <i>Journal of the European Ceramic Society</i> , 2004, 24, 348 The structure and phase composition of stabilized zirconia-based nanosystems exposed to		573
79° 789 788	Strength, fracture toughness and microstructure of a selection of all-ceramic materials. Part II. Zirconia-based dental ceramics. <i>Dental Materials</i> , 2004 , 20, 449-56 Modeling the aging kinetics of zirconia ceramics. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 348 The structure and phase composition of stabilized zirconia-based nanosystems exposed to shock-wave treatment. 2004 , 47, 954-963 Synthesis and sintering of chemically derived BaOâZrO 2 solid solutions. <i>Journal of the European</i>	836348	573 9 95
79° 789 788 787	2004, 39, 157-167 Strength, fracture toughness and microstructure of a selection of all-ceramic materials. Part II. Zirconia-based dental ceramics. <i>Dental Materials</i> , 2004, 20, 449-56 Modeling the aging kinetics of zirconia ceramics. <i>Journal of the European Ceramic Society</i> , 2004, 24, 348 The structure and phase composition of stabilized zirconia-based nanosystems exposed to shock-wave treatment. 2004, 47, 954-963 Synthesis and sintering of chemically derived BaOâ¤rO 2 solid solutions. <i>Journal of the European Ceramic Society</i> , 2004, 24, 2241-2246 Analysis of zirconium oxide formed during oxidation at 623 K on Zrâ¤.5Nb and Zircaloy-4. 2004,	836348	573 9 95 9

783	Crystal structure and grain size of Zr oxide characterized by synchrotron radiation microdiffraction. 2004 , 335, 433-442		28
782	Reaction-sintered mulliteâ⁄dirconia composites by colloidal processing of aluminaâ⁄dirconấdeO2 mixtures. 2004 , 369, 250-257		28
781	Investigations by X-ray diffraction of swift heavy ion induced effects in inorganic materials. 2004 , 225, 88-96		14
78o	The effect of reduction on the mechanical properties of CeO2 doped tetragonal zirconia ceramics. 2004 , 52, 1675-1682		17
779	Critical effect of cubic phase on aging in 3mol% yttria-stabilized zirconia ceramics for hip replacement prosthesis. 2004 , 25, 5539-45		242
778	Isothermal Tetragonal-to-Monoclinic Phase Transformation in a Zirconia–Yttria System. 2005 , 46, 1443-1451		9
777	Corrosion behavior of Zr alloys with a high Nb content. 2005 , 340, 237-246		36
776	Low-temperature ageing degradation of 2.5Y-TZP heat-treated at 1650°C. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 3117-3124	6	28
775	Porous mulliteâ¤rO2 composites from reaction sintering of zircon and aluminum. <i>Ceramics International</i> , 2005 , 31, 1091-1095	5.1	24
774	Determining thermal conductivity of plasma sprayed TBC by electrochemical impedance spectroscopy. <i>Surface and Coatings Technology</i> , 2005 , 190, 90-97	4.4	16
773	Nitridation of Zirconia. Journal of the American Ceramic Society, 2005, 79, 2641-2644	3.8	67
772	ZrO2âteO2 Alloys as Candidate Structural Materials for Cryogenic Application. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1005-1008	3.8	18
771	Fabrication and Mechanical Properties of Continuously Graded MoSi2â\(\mathbb{Z}\)rO2(2Y) Materials Using Wet-Molding. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 2168-2170	3.8	1
770	Viscous Sintering and Mechanical Properties of 3Y-TZP-Reinforced LAS Glass-Ceramic Composites. Journal of the American Ceramic Society, 2005 , 80, 2982-2986	3.8	13
769	Low-Temperature Sintering of Mullite/Yttria-Doped Zirconia Composites in the Mullite-Rich Region. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1050-1052	3.8	10
768	Modeling and Fabrication of Fine-Grain Alumina-Zirconia Composites Produced from Nanocrystalline Precursors. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1773-1780	3.8	18
767	Fabrication, Microstructure, and Mechanical Properties of Cr2O3/ZrO2(2.5Y) Composite Ceramics in the Cr2O3-Rich Region. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2497-2500	3.8	12
766	Phase Transformation in Y2O3-Partially-Stabilized ZrO2 Polycrystals of Various Grain Sizes during Low-Temperature Aging in Water. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2687-2691	3.8	50

(2006-2005)

765	Microstructural Investigation of the Aging Behavior of (3Y-TZP)âAl2O3 Composites. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1273-1280	3.8	47
764	Influence of surface and heat treatments on the flexural strength of a glass-infiltrated alumina/zirconia-reinforced dental ceramic. <i>Dental Materials</i> , 2005 , 21, 454-63	5.7	115
763	Carbonitriding of ZrO2: relation between the weight loss and crystalline phase evolution during reaction. <i>Materials Chemistry and Physics</i> , 2005 , 89, 164-169	4.4	4
762	Structural aspects of the Co/ZrO2 catalytic system: Effect of the chemical synthesis. <i>Materials Chemistry and Physics</i> , 2005 , 92, 327-332	4.4	10
761	Templated grain growth of textured mullite/zirconia composites. 2005, 59, 245-249		10
760	A critical comparison of methods for the determination of the aging sensitivity in biomedical grade yttria-stabilized zirconia. 2005 , 72, 239-45		133
759	Atomic force microscopy study of the tetragonal to monoclinic transformation behavior of silica doped yttria-stabilized zirconia. 2005 , 40, 3821-3823		4
75 ⁸	Mechanism of the monoclinic-to-tetragonal phase transition induced in zirconia and hafnia by swift heavy ions. 2005 , 72,		107
757	Corrosion characteristics of zirconium alloy with a high temperature pre-formed oxide film. 2005 , 388, 279-283		7
756	Influence of surface and heat treatments on the flexural strength of Y-TZP dental ceramic. 2005 , 33, 9-18		337
755	Oxidation properties of ZrâNb alloys at 500âB00°C under low oxygen potentials. 2005 , 47, 435-446		22
754	Fracture behaviour of an Al2O3âIrO2 multi-layered ceramic with residual stresses due to phase transformations*. 2006 , 29, 71-78		24
753	Influence of surface finish and residual stresses on the ageing sensitivity of biomedical grade zirconia. 2006 , 27, 2186-92		194
75 ²	Stress driven phase transformation in ZrO2 film. 2006 , 253, 1222-1226		24
751	X-ray, Raman and FTIRS studies of the microstructural evolution of zirconia particles caused by the thermal treatment. 2006 , 179, 2965-2971		37
750	Fabrication, structure, mechanical and thermal properties of zirconia-based ceramic nanocomposites. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 1497-1505	6	55
749	Phase composition and low-frequency internal friction of ZrO2 + 4 mol % Y2O3 ceramics. 2006 , 48, 168	81-1683	3
748	Phase formation and texture development in mullite/zirconia composites fabricated by templated grain growth. 2006 , 41, 3303-3313		5

747	Low temperature degradation of zirconia under a high strength electric field. 2006 , 41, 6497-6500	
746	R-curve behaviour of 2Y-TZP with submicron grain size. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 3575-3582	23
745	Effect of the volume ratio of zirconia and alumina on the mechanical properties of fibrous zirconia/alumina bi-phase composites prepared by co-extrusion. <i>Journal of the European Ceramic</i> 6 <i>Society</i> , 2006 , 26, 3539-3546	10
744	Corrosion behavior of ZrâNb alloys in 360°C water and 500°C supercritical water. 2006 , 12, 497-503	
743	Microstructures and Mechanical Properties of Fine-Scale Fibrous Alumina / Zirconia Bi-Phase Composite Fabricated by Co-Extrusion Process. 2006 , 317-318, 619-622	
742	Phase Stability of Zirconia Toughened Alumina Composite for Artificial Joints. 2006 , 309-311, 1243-1246	3
741	Effect of Dopant on Phase Stability of Zirconia in Hot Water. 2006, 309-311, 1231-1234	10
740	Effect of Cation Dopant on Phase Stability of Zirconia Bioceramics in Hot Water. 2006 , 49, 97-102	5
739	Preparation of Ce-ZrO2 Based Composites and Effect of Addition of 3Y-ZrO2 on Their Microstructures. 2006 , 317-318, 41-44	1
738	Thermal annealing study of swift heavy-ion irradiated zirconia. <i>Journal of Applied Physics</i> , 2006 , 99, 1235@.5	23
738 737	Thermal annealing study of swift heavy-ion irradiated zirconia. <i>Journal of Applied Physics</i> , 2006 , 99, 1235@.5 Oxide Ceramics. 2006 ,	23
		23
737	Oxide Ceramics. 2006,	
737 736	Oxide Ceramics. 2006, Effect of Second Phase Particles on Phase Stability of Zirconia in Hot Water. 2007, 26-28, 781-784	
737 736 735	Oxide Ceramics. 2006, Effect of Second Phase Particles on Phase Stability of Zirconia in Hot Water. 2007, 26-28, 781-784 XRD and HRTEM Study of Zirconia Nanoparticles Synthesized by Laser Ablation. 2007, 561-565, 591-594 Phase Stability and Fracture Toughness of Zirconia Toughened Alumina for Joint Replacement.	
737 736 735 734	Oxide Ceramics. 2006, Effect of Second Phase Particles on Phase Stability of Zirconia in Hot Water. 2007, 26-28, 781-784 XRD and HRTEM Study of Zirconia Nanoparticles Synthesized by Laser Ablation. 2007, 561-565, 591-594 Phase Stability and Fracture Toughness of Zirconia Toughened Alumina for Joint Replacement. 2007, 361-363, 767-770	1
737 736 735 734 733	Oxide Ceramics. 2006, Effect of Second Phase Particles on Phase Stability of Zirconia in Hot Water. 2007, 26-28, 781-784 XRD and HRTEM Study of Zirconia Nanoparticles Synthesized by Laser Ablation. 2007, 561-565, 591-594 Phase Stability and Fracture Toughness of Zirconia Toughened Alumina for Joint Replacement. 2007, 361-363, 767-770 Kinetics of the Phase Transformation of Non-HIPed Zirconia Femoral Heads. 2007, 330-332, 1203-1206 The Study on Degradation of Y2O3-CeO2-Partially Stabilized ZrO2 Adding Al2O3 Particles at Low	1

729	Mechanical and Phase Stability of Zirconia Toughened Alumina. 2007, 330-332, 1267-1270	6
728	Effect of Titania Doping on Phase Stability of Zirconia Bioceramics in Hot Water. 2007 , 48, 332-336	10
727	Microstructure and Crystal Phase Development of Y2O3-Stabilized ZrO2 Polycrystal Fabricated by the Solid Phase Mixing and Sintering Method. 2007 , 115, 210-215	6
726	Mechanical Properties and Cyclic Fatigue of the Newly Developed Ceramic Material for Artificial Joints. 2007 , 115, 466-470	3
725	Phase stability of thermal barrier oxides: A comparative study of Y and Yb additions. 2007 , 98, 1177-1187	30
724	Low-Temperature Degradation of Zirconia and Implications for Biomedical Implants. 2007 , 37, 1-32	449
723	Preparation and characterization of an Al2O3â\(\mathbb{Z}\)rO2 nanocomposite, Part I: Powder synthesis and transformation behavior during fracture. 2007 , 38, 124-131	80
722	Thermal stability of nanostructurally stabilized zirconium oxide. 2007 , 18, 415702	55
721	Influence of mechanical surface treatments on the indentation fracture toughness of glass infiltrated zirconia toughened alumina "GI-ZTA" disks. 2007 , 12, 420-427	3
720	Not all zirconia femoral heads degrade in vivo. 2007 , 465, 220-6	27
720 719	Not all zirconia femoral heads degrade in vivo. 2007, 465, 220-6 Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. 2007, 13, 5798-803	33
Í	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals.	
719	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. 2007 , 13, 5798-803 Phase transformation, roughness, and microhardness of artificially aged yttria- and	33
719 718	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. 2007, 13, 5798-803 Phase transformation, roughness, and microhardness of artificially aged yttria- and magnesia-stabilized zirconia femoral heads. 2007, 83, 1096-1102 Accelerating aging of zirconia femoral head implants: change of surface structure and mechanical	33 58
719 718 717	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. 2007, 13, 5798-803 Phase transformation, roughness, and microhardness of artificially aged yttria- and magnesia-stabilized zirconia femoral heads. 2007, 83, 1096-1102 Accelerating aging of zirconia femoral head implants: change of surface structure and mechanical properties. 2007, 81, 486-92 Synthesis, structure, microstructure and mechanical characteristics of MOCVD deposited zirconia	33 58 25
719 718 717 716	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. 2007, 13, 5798-803 Phase transformation, roughness, and microhardness of artificially aged yttria- and magnesia-stabilized zirconia femoral heads. 2007, 83, 1096-1102 Accelerating aging of zirconia femoral head implants: change of surface structure and mechanical properties. 2007, 81, 486-92 Synthesis, structure, microstructure and mechanical characteristics of MOCVD deposited zirconia films. 2007, 253, 4626-4640 Influences of oxygen partial pressure on structure and related properties of ZrO2 thin films	33582543
719 718 717 716 715	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. 2007, 13, 5798-803 Phase transformation, roughness, and microhardness of artificially aged yttria- and magnesia-stabilized zirconia femoral heads. 2007, 83, 1096-1102 Accelerating aging of zirconia femoral head implants: change of surface structure and mechanical properties. 2007, 81, 486-92 Synthesis, structure, microstructure and mechanical characteristics of MOCVD deposited zirconia films. 2007, 253, 4626-4640 Influences of oxygen partial pressure on structure and related properties of ZrO2 thin films prepared by electron beam evaporation deposition. 2007, 254, 552-556 Influence of ZrO2 on the thermo-mechanical response of nano-ZTA. Ceramics International, 2007,	 33 58 25 43 42

711	Key role of processing to avoid low temperature ageing in alumina zirconia composites for orthopaedic application. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 1547-1552	6	69
710	Effect of NiO on the Phase Stability and Microstructure of Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 918-924	3.8	22
709	Effect of Grain Size on Mechanical Properties of Submicrometer 3Y-TZP: Fracture Strength and Hydrothermal Degradation. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2830-2836	3.8	80
708	Surface Phase Transformation During Grinding of Y-TZP. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2618-2621	3.8	28
707	The Strength and Hydrothermal Stability of Y-TZP Ceramics for Dental Applications. <i>International Journal of Applied Ceramic Technology</i> , 2007 , 4, 164-174	2	37
706	Current ceramic materials and systems with clinical recommendations: a systematic review. <i>Journal of Prosthetic Dentistry</i> , 2007 , 98, 389-404	4	535
705	High temperature oxidation resistance of 1.25crâ D .5mo wt.% steels by zirconia coating. <i>Surface and Coatings Technology</i> , 2008 , 202, 2616-2622	4.4	13
704	Mechanical properties of Y-TPZ ceramics obtained by liquid phase sintering using bioglass as additive. 2008 , 478, 257-263		22
703	Toughened RE-TZP ceramics obtained by HPHT process. 2008 , 196, 373-378		3
702	The effects of dental grinding and sandblasting on ageing and fatigue behavior of dental zirconia (Y-TZP) ceramics. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 1085-1090	6	129
702 701		6	129
	(Y-TZP) ceramics. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 1085-1090 Pressureless sintering and mechanical properties of mica glassâderamic/Y-PSZ composite. <i>Journal</i>		
701	(Y-TZP) ceramics. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 1085-1090 Pressureless sintering and mechanical properties of mica glassâderamic/Y-PSZ composite. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2687-2692 Microstructure and mechanical properties of yttria-stabilized ZrO2/Al2O3 nanocomposite ceramics.	6	33
701	(Y-TZP) ceramics. Journal of the European Ceramic Society, 2008, 28, 1085-1090 Pressureless sintering and mechanical properties of mica glassâderamic/Y-PSZ composite. Journal of the European Ceramic Society, 2008, 28, 2687-2692 Microstructure and mechanical properties of yttria-stabilized ZrO2/Al2O3 nanocomposite ceramics. Ceramics International, 2008, 34, 1797-1803 Thermal shock behavior of dense mulliteâdirconia composites obtained by two processing routes.	5.1	33
701 700 699	(Y-TZP) ceramics. Journal of the European Ceramic Society, 2008, 28, 1085-1090 Pressureless sintering and mechanical properties of mica glassateramic/Y-PSZ composite. Journal of the European Ceramic Society, 2008, 28, 2687-2692 Microstructure and mechanical properties of yttria-stabilized ZrO2/Al2O3 nanocomposite ceramics. Ceramics International, 2008, 34, 1797-1803 Thermal shock behavior of dense mulliteatirconia composites obtained by two processing routes. Ceramics International, 2008, 34, 2017-2024 Phase composition and in-vitro bioactivity of plasma sprayed calcia stabilized zirconia coatings.	5.1 5.1	33 40 34
701 700 699	(Y-TZP) ceramics. Journal of the European Ceramic Society, 2008, 28, 1085-1090 Pressureless sintering and mechanical properties of mica glassaderamic/Y-PSZ composite. Journal of the European Ceramic Society, 2008, 28, 2687-2692 Microstructure and mechanical properties of yttria-stabilized ZrO2/Al2O3 nanocomposite ceramics. Ceramics International, 2008, 34, 1797-1803 Thermal shock behavior of dense mulliteadirconia composites obtained by two processing routes. Ceramics International, 2008, 34, 2017-2024 Phase composition and in-vitro bioactivity of plasma sprayed calcia stabilized zirconia coatings. Surface and Coatings Technology, 2008, 202, 5824-5831 Internal stresses and stability of the tetragonal phase in zirconia thin layers deposited by OMCVD.	5.1 5.1 4.4	33 40 34 32
701 700 699 698	(Y-TZP) ceramics. Journal of the European Ceramic Society, 2008, 28, 1085-1090 Pressureless sintering and mechanical properties of mica glassâderamic/Y-PSZ composite. Journal of the European Ceramic Society, 2008, 28, 2687-2692 Microstructure and mechanical properties of yttria-stabilized ZrO2/Al2O3 nanocomposite ceramics. Ceramics International, 2008, 34, 1797-1803 Thermal shock behavior of dense mulliteâdirconia composites obtained by two processing routes. Ceramics International, 2008, 34, 2017-2024 Phase composition and in-vitro bioactivity of plasma sprayed calcia stabilized zirconia coatings. Surface and Coatings Technology, 2008, 202, 5824-5831 Internal stresses and stability of the tetragonal phase in zirconia thin layers deposited by OMCVD. 2008, 254, 5807-5813	5.1 5.1 4.4	33 40 34 32 14

693	Mechanical properties of hot-pressed ZrO2âNbC ceramic composites. 2008 , 26, 14-18	23
692	State of the art of zirconia for dental applications. <i>Dental Materials</i> , 2008 , 24, 299-307 5.7	1261
691	Tetragonal-(Zr,Co)O2 solid solution: Combustion synthesis, thermal stability in air and reduction in H2, H2âlîH4 and H2âlî2H4 atmospheres. 2008 , 43, 3088-3099	8
690	Effect of shading the zirconia framework on biaxial strength and surface microhardness. 2008, 66, 262-7	72
689	High-throughput synthesis and characterization of bulk ceramics from dry powders. 2008, 10, 274-9	21
688	Hydrothermal Degradation of Zirconia Bioceramics: Effect of Ternary Oxide Additions. 2008 , 396-398, 145-148	1
687	Phase Composition, Mechanical and Thermal Properties of (MgO)0.1-x(YO1.5)x(ZrO2)0.9 and (MgO)0.1-x(CaO)x(ZrO2)0.9 Ceramics. 2008 , 368-372, 751-753	
686	Mechanical properties of Y2O3-stabilized ZrO2 polycrystals fabricated by the solid phase mixing and sintering method. 2008 , 116, 491-496	4
685	Mechanical properties of dental zirconia ceramics changed with sandblasting and heat treatment. 2008 , 27, 408-14	173
684	Performance of 3Y-TZP bioceramics under cyclic fatigue loading. 2008 , 11, 89-92	12
683	Estimation of thickness of hydrothermal degraded layer in 3Y-TZP by X-ray diffraction. 2009, 5, 012023	1
682	Improvement of 3Y-TZP hydrothermal degradation resistance by surface modification with ceria without impairing mechanical properties. 2009 , 5, 012015	O
681	The effect of low temperature aging on the mechanical property & phase stability of Y-TZP ceramics. 2009 , 1, 113-7	91
680	Increasing permittivity in HfZrO thin films by surface manipulation. 2009 , 95, 052904	48
679	Mechanical Fatigue and Hydrothermal Stability of Y-TZP Dental Ceramics. 2009, 409, 161-167	5
678	Study of near surface changes in yttria-doped tetragonal zirconia after low temperature degradation. 2009 , 100, 92-96	18
677	XRD Study of the Effect of the Processing Variables on the Synthesis of Nanozirconia in the Presence of MWCNT. 2009 , 43, 247-256	4
676	Iron-stabilized nanocrystalline ZrO2 solid solutions: Synthesis by combustion and thermal stability. 2009 , 44, 1301-1311	12

675	Effect of sintering time on biaxial strength of zirconium dioxide. <i>Dental Materials</i> , 2009 , 25, 166-71	7 60
674	Evaluation of phase stability in zirconia femoral heads from different manufacturers after in vitro testing or in vivo retrieval. 2009 , 24, 1225-30	12
673	Influence of surface treatments on surface roughness, phase transformation, and biaxial flexural strength of Y-TZP ceramics. 2009 , 91, 930-7	143
672	Synthesis of ZrO2 Nanoparticles by Freeze Drying. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 324-334	14
671	Alumina-based nanocomposites obtained by doping with inorganic salt solutions: Application to immiscible and reactive systems. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 59-66	37
670	Investigation of reactions between vanadium oxide and plasma-sprayed yttria-stabilized zirconia coatings. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 1403-1411	59
669	Effect of bioglass additions on the sintering of Y-TZP bioceramics. 2009 , 29, 1959-1964	22
668	Oxidation properties of ZrâNb alloys at 973â1273K in air. 2009 , 51, 307-312	20
667	Synthesis and characterization of MgAl2O4âØrO2 composites. <i>Ceramics International</i> , 2009 , 35, 259-264 _{5.2}	2 0
666	On the kinetics and impact of tetragonal to monoclinic transformation in an alumina/zirconia composite for arthroplasty applications. 2009 , 30, 5279-82	107
666		107
	composite for arthroplasty applications. 2009 , 30, 5279-82	
665	composite for arthroplasty applications. 2009 , 30, 5279-82 Strength and grinding residual stresses of Y-TZP with duplex microstructures. 2009 , 16, 2586-2597 Effect of the nature of anions of aluminum salts used to synthesize a precursor of the Al2O3-ZrO2	11
665 664	composite for arthroplasty applications. 2009 , 30, 5279-82 Strength and grinding residual stresses of Y-TZP with duplex microstructures. 2009 , 16, 2586-2597 Effect of the nature of anions of aluminum salts used to synthesize a precursor of the Al2O3-ZrO2 ceramics on the stabilization of the tetragonal modification of zirconium dioxide. 2009 , 82, 1364-1369	11
665 664 663	Strength and grinding residual stresses of Y-TZP with duplex microstructures. 2009, 16, 2586-2597 Effect of the nature of anions of aluminum salts used to synthesize a precursor of the Al2O3-ZrO2 ceramics on the stabilization of the tetragonal modification of zirconium dioxide. 2009, 82, 1364-1369 Catalytic Hydrogenation of Aqueous Nitrate over Pdâtu/ZrO2 Catalysts. 2009, 48, 8356-8363 Synthesis of Fe-ZrO2 nanocomposite powders by reduction in H2 of a nanocrystalline (Zr, Fe)O2	11 1 35
665 664 663	Strength and grinding residual stresses of Y-TZP with duplex microstructures. 2009, 16, 2586-2597 Effect of the nature of anions of aluminum salts used to synthesize a precursor of the Al2O3-ZrO2 ceramics on the stabilization of the tetragonal modification of zirconium dioxide. 2009, 82, 1364-1369 Catalytic Hydrogenation of Aqueous Nitrate over PdâlCu/ZrO2 Catalysts. 2009, 48, 8356-8363 Synthesis of Fe-ZrO2 nanocomposite powders by reduction in H2 of a nanocrystalline (Zr, Fe)O2 solid solution. 2009, 471, 204-210 Effect of Small Amount of Insoluble Dopant on Tetragonal to Monoclinic Phase Transformation in	11 1 35
665 664 663 662	Strength and grinding residual stresses of Y-TZP with duplex microstructures. 2009, 16, 2586-2597 Effect of the nature of anions of aluminum salts used to synthesize a precursor of the Al2O3-ZrO2 ceramics on the stabilization of the tetragonal modification of zirconium dioxide. 2009, 82, 1364-1369 Catalytic Hydrogenation of Aqueous Nitrate over Pdâttu/ZrO2 Catalysts. 2009, 48, 8356-8363 Synthesis of Fe-ZrO2 nanocomposite powders by reduction in H2 of a nanocrystalline (Zr, Fe)O2 solid solution. 2009, 471, 204-210 Effect of Small Amount of Insoluble Dopant on Tetragonal to Monoclinic Phase Transformation in Tetragonal Zirconia Polycrystal. 2009, 50, 1091-1095	11 1 35 14

6	557	Crystal structure, corrosion kinetics of new zirconium alloys and residual stress analysis of oxide films. 2010 , 396, 65-70		32	
ϵ	656	Complete phase transformation in zirconia induced by very high electronic excitations. 2010 , 268, 2968	-2971	10	
ϵ	555	The Effect of Heat Treatment and Feldspathic Glazing on Some Mechanical Properties of Zirconia. 2010 , 2, 171-178		7	
ϵ	554	XRD2 micro-diffraction analysis of the interface between Y-TZP and veneering porcelain: role of application methods. <i>Dental Materials</i> , 2010 , 26, 545-52	5.7	45	
ϵ	553	Low temperature degradation -aging- of zirconia: A critical review of the relevant aspects in dentistry. <i>Dental Materials</i> , 2010 , 26, 807-20	5.7	427	
ϵ	552	Use of zirconia collar to prevent interproximal porcelain fracture: a clinical report. <i>Journal of Prosthetic Dentistry</i> , 2010 , 104, 77-9	4	14	
ϵ	ó51	Effect of heat treatment after accelerated aging on phase transformation in 3Y-TZP. 2010 , 93, 236-43		12	
ϵ	650	Nano-scale topography of bearing surface in advanced alumina/zirconia hip joint before and after severe exposure in water vapor environment. 2010 , 28, 762-6		19	
ϵ	649	Interest of Raman spectroscopy for the study of dental material: The zirconia material example. 2010 , 31, 257-262		31	
ϵ	548	Fracture mechanics-based analysis for hybrid laser/waterjet (LWJ) machining of yttria-partially stabilized zirconia (Y-PSZ). 2010 , 50, 97-105		22	
ϵ	647	Bond strength of Y-TZPâ�irconia ceramics subjected to various surface roughening methods and layering porcelain. 2010 , 42, 576-580		17	
ϵ	546	Quantitative Analysis of Monoclinic Phase in 3Y-TZP by Raman Spectroscopy. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1790	3.8	67	
ϵ	645	Effect of ammonia on luminescent properties of YAG:Ce3+,Pr3+nanophosphors. 2010,		O	
ϵ	544	Properties of Mullite-Zirconia Composites Prepared through Reaction Sintering Kaolin, 🖽 203, and ZrO2. 2010 , 160-162, 1772-1778		2	
ϵ	543	Concerns of hydrothermal degradation in CAD/CAM zirconia. 2010 , 89, 91-5		170	
ϵ	642	Mechanical Behaviour of ZrO2-Bioglass Dental Ceramics under Cyclic Fatigue Loading. 2010 , 636-637, 47-53		2	
ϵ	ó41	Apparent Activation Energy in Low Temperature Aging of Y-TZP Ceramics. 2010 , 105-106, 100-103			
ϵ	640	Damage and reliability of Y-TZP after cementation surface treatment. 2010 , 89, 592-6		85	

639	Structure Evolution in Al2O3 - ZrO2(Y2O3) Ceramic Composites during Sintering. 2010 , 65, 11-15	1
638	Nano-Scale Evaluation of Surface Morphology Before and After Environmental Exposure In Vitro of an Advanced Alumina/Zirconia Composite for Arthroplastic Applications. 2010 , 76, 224-228	
637	A new method to measure monoclinic depth profile in zirconia-based ceramics from X-ray diffraction data. 2010 , 101, 88-94	18
636	Sintering Zirconia for Dental CAD/CAM Technology. 2010 , 291-303	
635	Effect of In Vitro Ageing on a Cold Isostatic-Pressed Zirconia Ceramic for All Ceramic Restorations. 2011 , 493-494, 604-608	
634	Phase transformation and sintering behaviour of mullite and mulliteâDirconia composite materials. 2011 , 110, 175-180	13
633	Zirconium oxide nanoparticles coated on sepiolite by solāgel process âlTheir application as a solvent-free catalyst for condensation reactions. 2011 , 89, 280-288	14
632	The effect of preparation order on the crystal structure of yttria-stabilized tetragonal zirconia polycrystal and the shear bond strength of dental resin cements. <i>Dental Materials</i> , 2011 , 27, 651-63	55
631	Fabrication of ZrO2 Solid Solution Ceramics Containing Al2O3 Having High Bending Strength (Bâll GPa) and High Fracture Toughness (KICâllo MPalm1/2) Simultaneously by Pulsed Electric-current Pressure Sintering (PECPS). Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder	
630	and Powder Metallurgy, 2011, 58, 727-732 The effect of adding silica to zirconia to counteract zirconia's tendency to degrade at low temperatures. 2011, 30, 330-5	19
629	Effect of Yttria Content on the Zirconia Unit Cell Parameters. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4548-4555	68
628	Microstructure of oxide layers formed on zirconium alloy by air oxidation, uniform corrosion and fresh-green surface modification. 2011 , 419, 310-319	8
627	Synthesis and optical properties of sub-micron sized rare earth-doped zirconia particles. 2011 , 33, 1745-1752	41
626	Phase transformation and wear studies of plasma sprayed yttria stabilized zirconia coatings containing various mol% of yttria. 2011 , 62, 697-705	36
625	Efficient way of precipitation to synthesize Ni2+-ion stabilized tetragonal zirconia nanopowders. 2011 , 65, 959-961	1
624	Evaluation of the absolute marginal discrepancy of zirconia-based ceramic copings. <i>Journal of</i> Prosthetic Dentistry, 2011 , 105, 108-14	58
623	Phase composition and structure of nanocrystalline powders based on ZrO2(Y) and Al2O3 obtained by plasma spray pyrolysis. 2011 , 75, 1495-1499	1
622	Calcia-doped yttria-stabilized zirconia for thermal barrier coatings: synthesis and characterization. 2011 , 46, 5709-5714	11

621	Improving bioactivity and durability of yttria-stabilized zirconia. 2011, 46, 7335-7343		9
620	Microstructural evaluation of zirconia dispersed alumina composites. 2011 , 49, 722-729		
619	Femtosecond laser microstructuring of zirconia dental implants. 2011 , 96, 91-100		73
618	Phase transformation kinetics of 3 mol% yttria partially stabilized zirconia (3Y-PSZ) nanopowders prepared by a non-isothermal process. <i>Ceramics International</i> , 2011 , 37, 341-347	5.1	31
617	Low temperature degradation of a Y-TZP dental ceramic. Acta Biomaterialia, 2011, 7, 858-65	10.8	158
616	Low-temperature degradation in zirconia with a porous surface. <i>Acta Biomaterialia</i> , 2011 , 7, 2986-93	10.8	67
615	Monoclinic phase transformations of zirconia-based dental prostheses, induced by clinically practised surface manipulations. <i>Acta Biomaterialia</i> , 2011 , 7, 2994-3002	10.8	45
614	Reliability assessment in advanced nanocomposite materials for orthopaedic applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011 , 4, 303-14	4.1	50
613	Stress measurements during thin film zirconium oxide growth. 2011 , 412, 217-220		14
612	Zirconiaâthultiwall carbon nanotubes dense nano-composites with an unusual balance between crack and ageing resistance. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 1009-1014	6	43
611	Synthesis of zirconium dioxide by ultrasound assisted precipitation: effect of calcination temperature. 2011 , 18, 1128-37		53
610	Characterization of the Near-Eutectic Al2O3âI40 wt% ZrO2 Composite Coating Fabricated by Atmospheric Plasma Spray. Part I: Preparation and Characterization of Nano Al2O3âIrO2 Powder Using SolâIael Method. 2011 , 26, 330-337		3
609	Electrical Polarization Depresses Low Temperature Degradation and Promotes Bioactivity of Chemically Treated Yttria-Stabilized Zirconia. 2011 , 493-494, 11-15		
608	Fatigue strength of Ce-TZP/Al2O3 nanocomposite with different surfaces. 2012 , 91, 800-4		40
607	The properties of sintered calcium phosphate with [Ca]/[P] = 1.50. 2012 , 13, 13569-86		39
606	Synthesis of Scandia, Yttria Stabilized Zirconia (SYSZ) Nanoparticles by New Wet Chemistry Method. 2012 , 8, 767-775		22
605	Influence of air-abrasion and subsequent heat treatment on bonding between zirconia framework material and indirect composites. 2012 , 31, 751-7		16
604	Influence of surface treatment on bond strength of veneering ceramics fused to zirconia. 2012 , 31, 287	'-96	40

603	Evaluation of hardness and fracture toughness, coupled with microstructural analysis, of zirconia ceramics stored in environments with different pH values. 2012 , 31, 891-902		34
602	Differences in Kinetics of Phase Transformation of 3Y-TZP Ceramics between Aging Test under Hydrothermal Environment and Hip Simulator Wear Test. 2012 , 7, 199-210		2
601	The relationship between milling a new silica-doped zirconia and its resistance to low-temperature degradation (LTD): a pilot study. 2012 , 31, 106-12		6
600	Examination of bond strength and mechanical properties of Y-TZP zirconia ceramics with different surface modifications. 2012 , 31, 472-80		39
599	Thermal Barrier Coatings -Applications, Stability and Longevity Aspects. 2012 , 38, 3173-3179		18
598	Green upconversion emission dependence on size and surface residual contaminants in nanocrystalline ZrO2:Er3+. 2012 , 63, 473-480		4
597	Surface characterization of dental Y-TZP ceramic after air abrasion treatment. 2012, 40, 723-35		37
596	Comment on âllhemical-Composition-Dependent Metastability of Tetragonal ZrO2 in Solâllel-Derived Films under Different Calcination Conditionsâll 2012 , 24, 4268-4269		2
595	Phase composition controllable preparation of zirconia nanocrystals via solvothermal method. 2012 , 532, 98-101		9
594	Comparison of the early stage of low-temperature degradation in ZrO2(Y2O3) and ZrO2(MgO) ceramics. 2012 , 38, 755-758		
593	Phase stability of the two isomorphs monoclinic zirconia and hafnia under MeV ion irradiation. 2012 , 60, 5662-5669		8
592	Effect of dopants and sintering temperature on microstructure and low temperature degradation of dental Y-TZP-zirconia. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 4091-4104	6	59
591	Effect of the oxygen partial pressure on the toughness of tetragonal zirconia thin films for optical applications. 2012 , 263, 284-290		18
590	Flexural strength and the probability of failure of cold isostatic pressed zirconia core ceramics. Journal of Prosthetic Dentistry, 2012 , 108, 84-95	4	14
589	Accelerated aging characteristics of three yttria-stabilized tetragonal zirconia polycrystalline dental materials. <i>Journal of Prosthetic Dentistry</i> , 2012 , 108, 223-30	4	80
588	Nanostructured ZrO2 membranes prepared by liquid-injection chemical vapor deposition. 2012 , 163, 229-236		7
587	Surface Properties of Dental Zirconia after Clinical Grinding and Polishing. 2012 , 529-530, 501-506		4
586	Fabrication of High-Strength & -Fracture Toughness ZrO2/25mol%Al2O3 Composite Ceramics Using High-Pressure (1GPa) Sintering. 2012 , 61, 419-425		1

585	Cyclic fatigue resistance of yttria-stabilized tetragonal zirconia polycrystals with hot isostatic press processing. 2012 , 31, 1103-10		8
584	Effects of surface treatments on the susceptibilities of low temperature degradation by autoclaving in zirconia. 2012 , 100, 1334-43		27
583	Low-temperature degradation of different zirconia ceramics for dental applications. <i>Acta Biomaterialia</i> , 2012 , 8, 1213-20	10.8	167
582	Influence of low-temperature environmental exposure on the mechanical properties and structural stability of dental zirconia. 2012 , 21, 363-9		59
581	Effect of high alumina cement on permeability and structure properties of ZrO2 composites. <i>Ceramics International</i> , 2012 , 38, 1755-1763	5.1	5
580	Reaction and phases from monoclinic zirconia and calcium aluminate cement at high temperatures. <i>Ceramics International</i> , 2012 , 38, 4237-4244	5.1	6
579	Raman Spectroscopy Evaluation of Subsurface Hydrothermal Degradation of Zirconia. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2347-2351	3.8	14
578	Preparations and characterizations of new mesoporous ZrO2 and Y2O3-stabilized ZrO2 spherical powders. 2012 , 227, 9-16		16
577	Toughening and strengthening zirconia through the addition of a transient solid solution additive. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 335-341	6	8
576	Effects of Ca-, Mg- and Si-doping on microstructures of aluminaâlirconia composites. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2711-2721	6	25
575	Chemical treatment on aluminaâdirconia composites inducing apatite formation with maintained mechanical properties. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2113-2120	6	40
574	Introduction to a tough, strong and stable Ce-TZP/MgAl2O4 composite for biomedical applications. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2697-2703	6	36
573	Ageing of dental zirconia ceramics. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2613-2622	6	56
572	X-ray diffraction and calorimetric studies of powder nanocrystalline systems based on ZrO2(Y) and Al2O3 with second insoluble component. 2012 , 54, 267-272		13
571	Effect of fatigue on fracture toughness and phase transformation of Y-TZP ceramics by X-ray diffraction and Raman spectroscopy. 2012 , 100, 416-24		18
570	Influence of surface treatments on the surface properties of different zirconia cores and adhesion of zirconia-veneering ceramic systems. <i>Dental Materials</i> , 2013 , 29, e239-51	5.7	30
569	Post-hot isostatic pressing: a healing treatment for process related defects and laboratory grinding damage of dental zirconia?. <i>Dental Materials</i> , 2013 , 29, e180-90	5.7	13
568	Combining ageing and wear to assess the durability of zirconia-based ceramic heads for total hip arthroplasty. <i>Acta Biomaterialia</i> , 2013 , 9, 7545-55	10.8	35

567	Electrochemical preparation of ZrO2 nanopowder: Impact of the pulse current on the crystal structure, composition and morphology. <i>Ceramics International</i> , 2013 , 39, 4427-4435	5.1	35
566	Low temperature degradation and reliability of one-piece ceramic oral implants with a porous surface. <i>Dental Materials</i> , 2013 , 29, 389-97	5.7	51
565	Intensification of synthesis of zirconium dioxide using ultrasound: Effect of amplitude variation. 2013 , 74, 178-186		20
564	Fracture strength and microstructure of Y-TZP zirconia after different surface treatments. <i>Journal of Prosthetic Dentistry</i> , 2013 , 110, 274-80	4	38
563	Low temperature degradation of Al 2 O 3 -doped 3Y-TZP sintered at various temperatures. <i>Ceramics International</i> , 2013 , 39, 7199-7204	5.1	17
562	Oxygen diffusion in niobia-doped zirconia as surrogate for oxide film on ZrâNb alloy: AC impedance analysis. 2013 , 443, 608-613		1
561	Phase transformation and nanocrystallite growth behavior of 2 mol% yttria-partially stabilized zirconia (2Y-PSZ) powders. <i>Ceramics International</i> , 2013 , 39, 5165-5174	5.1	28
560	Bond strength of resin cement to zirconia ceramic with different surface treatments. 2013 , 28, 259-66		94
559	Effect of a small amount of Al2O3 addition on the hydrothermal degradation of 3Y-TZP. 2013 , 48, 1256	-1261	1
558	Effect of particle size on the flexural strength and phase transformation of an airborne-particle abraded yttria-stabilized tetragonal zirconia polycrystal ceramic. <i>Journal of Prosthetic Dentistry</i> , 2013 , 110, 510-4	4	40
557	Effect of autoclave induced low-temperature degradation on the adhesion energy between yttria-stabilized zirconia veneered with porcelain. <i>Dental Materials</i> , 2013 , 29, e263-70	5.7	16
556	Isothermal sintering kinetic of 3YTZ and 8YSZ: Cation diffusion. <i>Ceramics International</i> , 2013 , 39, 261-26	58 .1	14
555	Deceleration of hydrothermal degradation of 3Y-TZP by alumina and lanthana co-doping. <i>Acta Biomaterialia</i> , 2013 , 9, 6226-35	10.8	48
554	Direct evidence for continuous linear kinetics in the low-temperature degradation of Y-TZP. <i>Acta Biomaterialia</i> , 2013 , 9, 4826-35	10.8	53
553	Microstructure of veneered zirconia after surface treatments: a TEM study. <i>Dental Materials</i> , 2013 , 29, 1098-107	5.7	26
552	Mechanism of lower activation energy for tetragonal ZrO2 crystallite growth in the 3mol% yttria partially stabilized zirconia (3Y-PSZ) precursor powders. 2013 , 555, 82-87		8
551	Influence of Fe content on corrosion and hydrogen pick up behavior of Zrâ2.5Nb pressure tube material. 2013 , 441, 178-189		14
550	Fatigue and subcritical crack growth in ZrO2âBioglass ceramics. <i>Ceramics International</i> , 2013 , 39, 2405-2	2414	13

549	Effect of oxide nanofillers on fabrication, structure, and properties of zirconia-based composites. Journal of the European Ceramic Society, 2013 , 33, 2321-2325	6	10
548	Fabrication of well-crystallized mesoporous ZrO2 thin films via Pluronic P123 templated solâgel route. <i>Ceramics International</i> , 2013 , 39, S437-S440	5.1	9
547	Microstructure and mechanical properties of MgO-stabilized ZrOâEAlâDâEdental composites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 18, 123-31	4.1	17
546	Crystallization behavior of tetragonal ZrO2 prepared in a silica bath. 2013 , 567, 93-99		9
545	Grain morphology and crystal structure of pre-transition oxides formed on Zircaloy-4. 2013 , 74, 323-331	1	38
544	The effect of Sn on autoclave corrosion performance and corrosion mechanisms in ZrâBnâNb alloys. 2013 , 61, 4200-4214		102
543	Residual stresses and tetragonal phase fraction characterisation of corrosion tested Zircaloy-4 using energy dispersive synchrotron X-ray diffraction. 2013 , 432, 102-112		93
542	Effect of t-ZrO2 Content on Grinding Performance of Fused Zirconia Alumina Abrasive. 2013 , 873, 431-4	435	
541	Crack Growth by the Isothermal Martensitic Phase Transformation in Tetragonal Zirconia Polycrystals. 2013 , 738-739, 537-541		
540	Evaluation of air-particle abrasion of Y-TZP with different particles using microstructural analysis. 2013 , 58, 183-91		23
539	Influence of surface treatment of yttria-stabilized tetragonal zirconia polycrystal with hot isostatic pressing on cyclic fatigue strength. 2013 , 32, 274-80		25
538	Fabrication of High Strength and Toughness Ceramics Using Pulsed Electric-Current Pressure Sintering of ZrO2(Y2O3)âAl2O3 Solid Solution Powders Prepared by the Neutralization Co-precipitation Method. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and	0.2	5
537	Densification Behaviour and Mechanical Properties of Aluminium Oxide and Cerium Oxide-Doped Yttria Tetragonal Zirconia Polycrystal Ceramics Using Two-Step Sintering. 2014 , 2014, 1-6		1
536	Biaxial flexural strength and phase transformation of Ce-TZP/Al2O3 and Y-TZP core materials after thermocycling and mechanical loading. 2014 , 6, 224-32		6
535	Effect of Particle Size of ZrO2(Y2O3) Powders on the Shrinkage of the Sintered Substrate with Coloring Gradient. 2014 , 87, 162-168		2
534	Characteristics of Low Temperature Degradation Free ZTA for Artificial Joint. 2014 , 631, 18-22		4
533	Surface Coating of Oxide Powders: A New Synthesis Method to Process Biomedical Grade Nano-Composites. <i>Materials</i> , 2014 , 7, 5012-5037	3.5	31
532	Fabrication of novel ZrO2(Y2O3)âAl2O3 ceramics having high strength and toughness utilising pulsed electric current pressure sintering (PECPS). 2014 , 113, 73-79		4

531	Preparation of Transparent 3Y-TZP Nanoceramics with No Low-Temperature Degradation. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1402-1406	3.8	16
530	Biomolecular modification of zirconia surfaces for enhanced biocompatibility. 2014 , 572, 91-98		15
529	Apatite-Forming Ability of ZrO2 Ceramics Enhanced by Sandblasting and Chemical Treatment and the Influence on Mechanical Properties. 2014 , 631, 8-12		
528	Compaction of ZrO2(Y2O3) Powders with Different Particle Sizes and Effects on the Sintering. 2014 , 798-799, 719-724		2
527	Toughening mechanism and thermal shock resistance of ZrO2 (3Y)/Fe28at-%Al composites evaluated by indentation techniques. 2014 , 113, 404-410		2
526	Effect of Hydrothermal Aging on the Phase Stability, Microstructure and Mechanical Properties of Dental 3Y-TZP Ceramics. 2014 , 529, 251-255		1
525	Postfatigue fracture resistance of modified prefabricated zirconia implant abutments. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 299-305	4	22
524	Fatigue behavior of 3%Y2O3-doped ZrO2 ceramics. 2014 , 3, 48-54		12
523	Lifetime estimation of a zirconia-alumina composite for biomedical applications. <i>Dental Materials</i> , 2014 , 30, 138-42	5.7	51
522	Microstructure and mechanical properties of ZrO2 ceramics toughened by 5âØ0 vol% Ta metallic particles fabricated by pressureless sintering. <i>Ceramics International</i> , 2014 , 40, 1829-1834	5.1	33
521	Phase Transformation and Microstructure of Zn2Ti3O8 Nanocrystallite Powders Prepared Using the Hydrothermal Process. 2014 , 45, 250-260		12
520	Influence of roughness on the efficacy of grazing incidence X-ray diffraction to characterize grinding-induced phase changes in yttria-tetragonal zirconia polycrystals (Y-TZP). 2014 , 49, 1630-1638		11
519	Long-time aging in 3 mol.% yttria-stabilized tetragonal zirconia polycrystals at human body temperature. <i>Acta Biomaterialia</i> , 2014 , 10, 951-9	10.8	46
518	Sintering behavior and mechanical properties of alumina/zirconia multilayers composite via nano-powder processing. <i>Ceramics International</i> , 2014 , 40, 2717-2722	5.1	4
517	Retention and surface changes of zirconia primary crowns with secondary crowns of different materials. <i>Clinical Oral Investigations</i> , 2014 , 18, 2023-35	4.2	17
516	Phase formation of zinc titanate precursor prepared by a hydrothermal route at pH 5. <i>Ceramics International</i> , 2014 , 40, 7407-7415	5.1	12
515	A study on the effects of dissolved hydrogen on zirconium alloys corrosion. 2014 , 444, 349-355		14
514	Factors affecting the mechanical behavior of Y-TZP. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 37, 78-87	4.1	51

513	Monoclinic to tetragonal phase transition in ZrO2 thin films under swift heavy ion irradiation: Structural and electronic structure study. 2014 , 592, 85-89		28
512	Microstructure and mechanical properties of zirconia-toughened lithium disilicate glassâderamic composites. <i>Materials Chemistry and Physics</i> , 2014 , 143, 845-852	4.4	41
511	Preparation and characterization of TiO2 and Si-doped octacalcium phosphate composite coatings on zirconia ceramics (Y-TZP) for dental implant applications. 2014 , 290, 48-52		17
510	Controllable synthesis of zirconia nano-powders using vapor-phase hydrolysis and theoretical analysis. 2014 , 2, 1346-1352		12
509	Effect of hydrothermal degradation on three types of zirconias for dental application. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 1377-84	4	36
508	Effect of in vitro aging on the flexural strength and probability to fracture of Y-TZP zirconia ceramics for all-ceramic restorations. <i>Dental Materials</i> , 2014 , 30, e306-16	5.7	49
507	Quantitative phase analysis from X-ray diffraction in Y-TZP dental ceramics: a critical evaluation. 2014 , 42, 1487-94		29
506	Emerging ceramic-based materials for dentistry. 2014 , 93, 1235-42		253
505	Role of electrolyte composition on structural, morphological and in-vitro biological properties of plasma electrolytic oxidation films formed on zirconium. 2014 , 317, 198-209		51
504	Small-scale mechanical behavior of zirconia. 2014 , 80, 239-249		25
503	Water Adsorption Microcalorimetry Model: Deciphering Surface Energies and Water Chemical Potentials of Nanocrystalline Oxides. 2014 , 118, 10131-10142		39
502	Effect of different surface treatments on the hydrothermal degradation of a 3Y-TZP ceramic for dental implants. <i>Dental Materials</i> , 2014 , 30, 1136-46	5.7	32
501	Effect of heat treatment and in vitro aging on the microstructure and mechanical properties of cold isostatic-pressed zirconia ceramics for dental restorations. <i>Dental Materials</i> , 2014 , 30, e272-82	5.7	17
500	Survival-rate analysis of surface treated dental zirconia (Y-TZP) ceramics. 2014 , 25, 2255-64		24
499	Effect of surface treatment and liner material on the adhesion between veneering ceramic and zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 40, 369-374	4.1	17
498	Effect of grinding with diamond-disc and -bur on the mechanical behavior of a Y-TZP ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 37, 133-40	4.1	47
497	Antimicrobial activity and biocompatibility of Ag+- and Cu2+-doped biphasic hydroxyapatite/Hricalcium phosphate obtained from hydrothermally synthesized Ag+- and Cu2+-doped hydroxyapatite. 2014 , 307, 513-519		97
496	Thermoluminescence response induced by UV radiation in Eu-doped zirconia nanopowders. 2014 , 97, 118-125		11

495	Effect of valeric acid on the agglomeration of zirconia particles and effects of the sintering temperature on the strut wall thickness of particle-stabilized foam. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1303-1310	6	14
494	Influence of carbon on phase stability of tetragonal ZrO2. Ceramics International, 2014, 40, 5645-5651	5.1	17
493	Oxide microstructural evolution of ZrâŪ.7SnâŪ.35NbâŪ.3Fe alloys containing Ge corroded in lithiated water. 2014 , 451, 255-263		15
492	Effect of sandblasting on surface roughness of zirconia-based ceramics and shear bond strength of veneering porcelain. 2014 , 33, 778-85		36
491	Fabrication of Novel ZrO2(Y2O3)-Al2O3 Ceramics Having High Strength and Toughness by Pulsed Electric-Current Pressure Sintering (PECPS) of Sol-Gel Derived Solid Solution Powders. 2014 , 1-13		
490	Effect of small amount of alumina on structure, wear and mechanical properties of 3Y-TZP ceramics. 2014 , 11, 9-16		3
489	Synthesis, characterization and thermal stability of solid solutions Zr (Y, Fe, Mo)O2. 2015 , 54, 119-123		1
488	Phase Stability of 3Y-TSZ Ceramics after Different Surface Treatments. 2015 , 820, 330-334		
487	The effect of staining and vacuum sintering on optical and mechanical properties of partially and fully stabilized monolithic zirconia. 2015 , 34, 605-10		67
486	Co-precipitation synthesis and upconversion luminescence properties of ZrO2:Yb3+-Ho3+. 2015 , 38, 1875-1879		4
485	Al2O3-Compositional Dependence of Mechanical Properties of ZrO2 Based Ceramics Fabricated from ZrO2(Y2O3)-Al2O3 Solid Solution Powders. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2015 , 62, 134-143	0.2	1
484	Sliding Wear Behavior of ZTA with Different Yttria Stabilizer Content. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3981-3987	3.8	7
483	Influence of Hot-Etching Surface Treatment on Zirconia/Resin Shear Bond Strength. <i>Materials</i> , 2015 , 8, 8087-8096	3.5	6
482	Effects of Acid Treatment on Dental Zirconia: An In Vitro Study. 2015 , 10, e0136263		12
481	Effect of surface treatments on the biaxial flexural strength, phase transformation, and surface roughness of bilayered porcelain/zirconia dental ceramics. <i>Journal of Prosthetic Dentistry</i> , 2015 , 113, 585-95	4	25
480	Microstructures and mechanical properties of Gd2Zr2O7/ZrO2(3Y) ceramics. 2015 , 644, 416-422		22
479	Characterization of Zircaloy-4 corrosion films using microbeam synchrotron radiation. 2015 , 464, 107-1	18	18
478	Lifetime estimation of zirconia ceramics by linear ageing kinetics. 2015 , 92, 290-298		34

477	Effect of Al2O3 Coating on Densification and Aging Sensibility of 3Y-TZP Ceramics. 2015 , 44, 808-812		2
476	Synthesis and characterization of mulliteâZirconia composites by reaction sintering of zircon flour and sillimanite beach sand. 2015 , 38, 1539-1544		5
475	Application of Micro-Raman Spectroscopy to the Study of Yttria-Stabilized Tetragonal Zirconia Polycrystal (Y-TZP) Phase Transformation. 2015 , 69, 810-4		17
474	Residual stress distribution in oxide films formed on Zircaloy-2. 2015 , 466, 658-665		4
473	Highly-translucent, strong and aging-resistant 3Y-TZP ceramics for dental restoration by grain boundary segregation. <i>Acta Biomaterialia</i> , 2015 , 16, 215-22	10.8	84
472	Effect of low-temperature aging on the mechanical behavior of ground Y-TZP. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 45, 183-92	4.1	47
471	Enhancement of thermal shock resistance of reaction sintered mullitealirconia composites in the presence of lanthanum oxide. 2015 , 101, 34-39		14
470	Phase Stability in Nanocrystals: A Predictive Diagram for Yttriaâldirconia. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1377-1384	3.8	41
469	Properties of CaO-ZrO2 Based Composites. 2015, 8, 203-210		3
468	The sintering-temperature-related microstructure and phase assemblage of alumina-doped and aluminaaBilica-co-doped 3-mol%-yttria-stabilized tetragonal zirconia. 2015 , 105, 50-53		5
467	Bond strength of short-pulsed laser-irradiated zirconia to veneer ceramic. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 1190-1199	2	4
466	A study into stress relaxation in oxides formed on zirconium alloys. 2015 , 456, 415-425		47
465	Mechanism of corrosion of zirconium hydride and impact of precipitated hydrides on the Zircaloy-4 corrosion behaviour. 2015 , 98, 478-493		28
464	Assessment of ultrathin yttria-stabilized zirconia foils for biomedical applications. 2015 , 50, 6197-6207		9
463	Effect of electrical parameters on morphology and in-vitro corrosion resistance of plasma electrolytic oxidized films formed on zirconium. <i>Surface and Coatings Technology</i> , 2015 , 269, 286-294	4.4	34
462	Polarization-assisted surface engineering for low temperature degradation-proof in yttria-stabilized zirconia ceramicsPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. 2015 , 3, 156-159		1
461	Microstructure, mechanical properties and low temperature degradation resistance of 2Y-TZP ceramic materials derived from nanopowders prepared by laser vaporization. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 2685-2691	6	24
460	Micropillar compression inside zirconia degraded layer. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 4051-4058	6	9

459	Biomaterials for dental implants: current and future trends. 2015 , 50, 4779-4812		109
458	Flash light sintered copper precursor/nanoparticle pattern with high electrical conductivity and low porosity for printed electronics. 2015 , 580, 61-70		52
457	The influence of low-temperature degradation and cyclic loading on the fracture resistance of monolithic zirconia molar crowns. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 47, 49-56	4.1	53
456	The effect of graded glass-zirconia structure on the bond between core and veneer in layered zirconia restorations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 46, 197-204	4.1	18
455	Effects of surface treatments on Y-TZP phase stability, microstructure and osteoblast cell response. <i>Ceramics International</i> , 2015 , 41, 14212-14222	5.1	8
454	Enhanced mechanical properties in ZrO2 multi-walled carbon nanotube nanocomposites produced by solagel and high-pressure. 2015 , 4, 1-8		7
453	Electrical and mechanical properties of 25 wt% tetragonal/cubic zirconia based composite thin films prepared by combination of aqueous tape casting and net shape methods. 2015 , 35, 98-105		2
452	Effect of yttriaâEitanium shellâEore structured powder on strength and ageing of zirconia/titanium composites. 2015 , 646, 96-100		7
451	Effects of alloyed Si on the autoclave corrosion performance and periodic corrosion kinetics in ZrâBnâNbâHeâD alloys. 2015 , 100, 651-662		30
450	Inkjet Printing of 5 Mol% YSZ Nano Particle Suspensions on Porous 🖽 l2O3 Substrates. 2015 , 2, 3552-35	64	3
449	Influence of ultraviolet photofunctionalization on the surface characteristics of zirconia-based dental implant materials. <i>Dental Materials</i> , 2015 , 31, e14-24	5.7	40
448	Protection of yttria-stabilized zirconia for dental applications by oxidic PVD coating. <i>Acta Biomaterialia</i> , 2015 , 11, 488-93	10.8	22
448		10.8	22
	Biomaterialia, 2015, 11, 488-93 Microstructural study of microwave sintered zirconia for dental applications. Ceramics International,		
447	Microstructural study of microwave sintered zirconia for dental applications. <i>Ceramics International</i> , 2015 , 41, 1255-1261 The combined effect of alumina and silica co-doping on the ageing resistance of 3Y-TZP	5.1	28
447 446	Microstructural study of microwave sintered zirconia for dental applications. <i>Ceramics International</i> , 2015 , 41, 1255-1261 The combined effect of alumina and silica co-doping on the ageing resistance of 3Y-TZP bioceramics. <i>Acta Biomaterialia</i> , 2015 , 11, 477-87	5.1	2 8
447 446 445	Microstructural study of microwave sintered zirconia for dental applications. <i>Ceramics International</i> , 2015 , 41, 1255-1261 The combined effect of alumina and silica co-doping on the ageing resistance of 3Y-TZP bioceramics. <i>Acta Biomaterialia</i> , 2015 , 11, 477-87 Adhesion to Y-TZP ceramic: study of silica nanofilm coating on the surface of Y-TZP. 2015 , 103, 143-50 Shear Bond Strengths between Three Different Yttria-Stabilized Zirconia Dental Materials and Veneering Ceramic and Their Susceptibility to Autoclave Induced Low-Temperature Degradation.	5.1	28 69 48

(2016-2016)

441	The effect of grinding on the mechanical behavior of Y-TZP ceramics: A systematic review and meta-analyses. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 63, 417-442	4.1	50
440	Surface and Mechanical Characterization of Dental Yttria-Stabilized Tetragonal Zirconia Polycrystals (3Y-TZP) After Different Aging Processes. 2016 , 22, 1179-1188		19
439	Translucency and low-temperature degradation of silica-doped zirconia: A pilot study. 2016 , 35, 571-7		12
438	Growth stress induced tunability of dielectric permittivity in thin films. <i>Journal of Applied Physics</i> , 2016 , 119, 014106	2.5	10
437	Analysis of the stability of 3Y-TZP zirconia abutments after thermocycling and mechanical loading. 2016 , 57, 197-206		2
436	Effects of multiple firings on the microstructure of zirconia and veneering ceramics. 2016 , 35, 776-781		8
435	Effect of dysprosium concentration on thermoluminescence behavior of ZrO2:Eu3+ phosphor. 2016 , 127, 3602-3604		3
434	Preparation and photoluminescence properties of Tm3+-doped ZrO2 nanotube arrays. 2016 , 674, 353-3	359	18
433	In-situ digital image correlation for fracture analysis of oxides formed on zirconium alloys. 2016 , 111, 344-351		18
432	Enhancement in luminescence properties of ZrO2:Dy3+ under 100 MeV swift Ni7+ ion irradiation. 2016 , 6, 55240-55247		12
431	Swift heavy ion induced phase transformation and thermoluminescence properties of zirconium oxide. 2016 , 379, 131-135		10
430	Full in-plane strain tensor analysis using the microscale ring-core FIB milling and DIC approach. 2016 , 94, 47-67		16
429	Pressureless sintering and mechanical properties of 3Y-TZP-reinforced LZAS glass-ceramic composites. <i>Ceramics International</i> , 2016 , 42, 18053-18057	5.1	4
428	Full Issue PDF. 2016 , 41, 453		
427	Strength, toughness and aging stability of highly-translucent Y-TZP ceramics for dental restorations. <i>Dental Materials</i> , 2016 , 32, e327-e337	5.7	150
426	Effect of core ceramic grinding on fracture behaviour of bilayered zirconia veneering ceramic systems under two loading schemes. <i>Dental Materials</i> , 2016 , 32, 1453-1463	5.7	7
425	The evaluation of prepared microgroove pattern by femtosecond laser on alumina-zirconia nano-composite for endosseous dental implant application. 2016 , 31, 1837-1843		18
424	Thermo-mechanical properties of mulliteâ⁄dirconia composites derived from reaction sintering of zircon and sillimanite beach sand: Effect of CaO. 2016 , 26, 2397-2403		6

423	Design of a New ZirconiaâAluminaâTa Micro-Nanocomposite with Unique Mechanical Properties. Journal of the American Ceramic Society, 2016 , 99, 3205-3209	3.8	15
422	A new method for quantitative phase analysis using X-ray powder diffraction: direct derivation of weight fractions from observed integrated intensities and chemical compositions of individual phases. 2016 , 49, 1508-1516		37
421	Micro-Raman and electronic structure study on kinetics of electronic excitations induced monoclinic-to-tetragonal phase transition in zirconium oxide films. 2016 , 6, 104425-104432		24
420	New ZrO2/Al2O3 Nanocomposite Fabricated from Hybrid Nanoparticles Prepared by CO2 Laser Co-Vaporization. <i>Scientific Reports</i> , 2016 , 6, 20589	4.9	39
419	Weld Bead Size, Microstructure and Corrosion Behavior of Zirconium Alloys Joints Welded by Pulsed Laser Spot Welding. 2016 , 25, 3783-3792		17
418	Good Biocompatibility and Sintering Properties of Zirconia Nanoparticles Synthesized via Vapor-phase Hydrolysis. <i>Scientific Reports</i> , 2016 , 6, 35020	4.9	24
417	Monitoring of the microstructure of ion-irradiated nuclear ceramics by in situ Raman spectroscopy. 2016 , 47, 476-485		25
416	Electrical and Mechanical Properties of 5YSZ Tubular Thin Film Prepared by Screen Printing Method. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 373-381	2	4
415	Phase Stability in Calcia-Doped Zirconia Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1778-1785	3.8	21
414	Microstructure, crystallization and shape memory behavior of titania and yttria co-doped zirconia. Journal of the European Ceramic Society, 2016 , 36, 1277-1283	6	24
413	Effects of multiple firings on the low-temperature degradation of dental yttria-stabilized tetragonal zirconia. <i>Journal of Prosthetic Dentistry</i> , 2016 , 115, 495-500	4	8
412	Complexity of the relationships between the sintering-temperature-dependent grain size, airborne-particle abrasion, ageing and strength of 3Y-TZP ceramics. <i>Dental Materials</i> , 2016 , 32, 510-8	5.7	21
411	Effect of cation dopant radius on the hydrothermal stability of tetragonal zirconia: Grain boundary segregation and oxygen vacancy annihilation. 2016 , 106, 48-58		61
410	Effects of different particle deposition parameters on adhesion of resin cement to zirconium dioxide and phase transformation. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 412-421	2	5
409	Low-temperature degradation of Y-TZP ceramics: A systematic review and meta-analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 55, 151-163	4.1	102
408	Phase diagram for a nano-yttria-stabilized zirconia system. 2016 , 6, 17438-17445		31
407	Effects of coping designs on stress distributions in zirconia crowns: Finite element analysis. <i>Ceramics International</i> , 2016 , 42, 4932-4940	5.1	7
406	Composition, phase analysis, biaxial flexural strength, and fatigue of unshaded versus shaded Procera zirconia ceramic. <i>Journal of Prosthetic Dentistry</i> , 2016 , 116, 269-76	4	5

405	Effect of surface modifications on the bond strength of zirconia ceramic with resin cement resin. <i>Dental Materials</i> , 2016 , 32, 631-9	5.7	53
404	Comparison of different low-temperature aging protocols: its effects on the mechanical behavior of Y-TZP ceramics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 60, 324-330	4.1	33
403	Fatigue limit of polycrystalline zirconium oxide ceramics: Effect of grinding and low-temperature aging. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 61, 45-54	4.1	39
402	Loading frequencies up to 20Hz as an alternative to accelerate fatigue strength tests in a Y-TZP ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 61, 79-86	4.1	41
401	Fracture Load and Phase Transformation of Monolithic Zirconia Crowns Submitted to Different Aging Protocols. 2016 , 41, E118-E130		18
400	Grinding Behavior of Yttrium Partially Stabilized Zirconia Using Diamond Grinding Wheel. 2016 , 1136, 15-20		3
399	Effect of co-doping NiO and Nb2O5 on phase stability and mechanical properties of Y2O3-stabilized ZrO2/Al2O3 composites. 2016 , 27, 877-881		1
398	Mechanical behavior of a Y-TZP ceramic for monolithic restorations: effect of grinding and low-temperature aging. 2016 , 63, 70-7		50
397	The Effect of Sandblasting, Er:YAG Laser, and Heat Treatment on the Mechanical Properties of Different Zirconia Cores. 2016 , 34, 17-26		18
396	Hydrothermal degradation of a 3Y-TZP translucent dental ceramic: A comparison of numerical predictions with experimental data after 2 years of aging. <i>Dental Materials</i> , 2016 , 32, 394-402	5.7	34
395	Effect of low-temperature degradation on the mechanical and microstructural properties of tooth-colored 3Y-TZP ceramics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 53, 301-311	4.1	32
394	Effect of surface treatments on the properties and morphological change of dental zirconia. Journal of Prosthetic Dentistry, 2016 , 115, 341-9	4	43
393	Resistance of InO1.5-stabilized tetragonal zirconia polycrystals to low-temperature degradation. 2016 , 163, 226-230		1
392	Effects of airborne-particle abrasion protocol choice on the surface characteristics of monolithic zirconia materials and the shear bond strength of resin cement. <i>Ceramics International</i> , 2016 , 42, 1552-	1 <i>5</i> 62	36
391	New technique of skin embedded wire double-sided laser beam welding. 2017 , 91, 185-192		17
390	Milling properties of low temperature sintered zirconia blocks for dental use. 2017 , 73, 692-699		9
389	Cold sintering process for 8 mol%Y2O3-stabilized ZrO2 ceramics. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2303-2308	6	43
388	Effect of various polishing systems on the surface roughness and phase transformation of zirconia and the durability of the polishing systems. <i>Journal of Prosthetic Dentistry</i> , 2017 , 117, 430-437	4	25

387	The Peculiarities of Structure Formation and Properties of Zirconia-Based Nanocomposites with Addition of AlO and NiO. 2017 , 12, 125		13
386	Grain-Boundary Engineering for Aging and Slow-Crack-Growth Resistant Zirconia. 2017 , 96, 774-779		13
385	Effect of hydrothermal treatment on light transmission of translucent zirconias. <i>Journal of Prosthetic Dentistry</i> , 2017 , 118, 422-429	4	35
384	Phase formation and stability in TiOx and ZrOx thin films: Extremely sub-stoichiometric functional oxides for electrical and TCO applications. 2017 , 232,		1
383	Effects of artificial aging on the biaxial flexural strength of Ce-TZP/Al2O3 and Y-TZP after various occlusal adjustments. <i>Ceramics International</i> , 2017 , 43, 9951-9959	5.1	7
382	Fatigue strength of yttria-stabilized zirconia polycrystals: Effects of grinding, polishing, glazing, and heat treatment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 75, 512-520	4.1	22
381	Investigations into the phase composition of zirconia-based sinters with an axial texture. 2017 , 50, 769	-775	
380	Long-term stability of an injection-molded zirconia bone-level implant: A testing protocol considering aging kinetics and dynamic fatigue. <i>Dental Materials</i> , 2017 , 33, 954-965	5.7	15
379	Ageing kinetics and strength of airborne-particle abraded 3Y-TZP ceramics. <i>Dental Materials</i> , 2017 , 33, 847-856	5.7	24
378	The effects of mechanical and hydrothermal aging on microstructure and biaxial flexural strength of an anterior and a posterior monolithic zirconia. 2017 , 63, 94-102		48
377	Hot corrosion studies on plasma sprayed bi-layered YSZ/La2Ce2O7 thermal barrier coating fabricated from synthesized powders. 2017 , 711, 355-364		20
376	Mechanical behavior of yttria-stabilized tetragonal zirconia polycrystalline ceramic after different zirconia surface treatments. 2017 , 77, 828-835		27
375	Unprecedented simultaneous enhancement in damage tolerance and fatigue resistance of zirconia/Ta composites. <i>Scientific Reports</i> , 2017 , 7, 44922	4.9	29
374	Effect of heavy ion irradiation and #phase heat treatment on oxide of Zr-2.5Nb pressure tube material. 2017 , 489, 22-32		3
373	CAD/CAM machining Vs pre-sintering in-lab fabrication techniques of Y-TZP ceramic specimens: Effects on their mechanical fatigue behavior. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 71, 201-208	4.1	15
372	Current progress and perspectives of applying cold sintering process to ZrO2-based ceramics. 2017 , 136, 141-148		37
371	Nanomechanical properties of zirconia- yttria and alumina zirconia- yttria biomedical ceramics, subjected to low temperature aging. <i>Ceramics International</i> , 2017 , 43, 3931-3939	5.1	33
370	Advance Techniques for the Synthesis of Nanostructured Zirconia-Based Ceramics for Thermal Barrier Application. 2017 , 21-91		6

369	Effects of small-grit grinding and glazing on mechanical behaviors and ageing resistance of a super-translucent dental zirconia. 2017 , 66, 23-31		16
368	The influence of yttrium-segregation-dependent phase partitioning and residual stresses on the aging and fracture behaviour of 3Y-TZP ceramics. <i>Acta Biomaterialia</i> , 2017 , 62, 306-316	10.8	16
367	New multifunctional zirconia composite nanomaterials âlfrom electronics to ceramics. 2017 , 213, 01201	6	3
366	Impact of Hard Machining on Zirconia Based Ceramics for Dental Applications. 2017, 65, 248-252		15
365	Strain-induced phase transformation behavior of stabilized zirconia ceramics studied via nanoindentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 75, 14-19	4.1	7
364	Retrieved Magnesia-Stabilized Zirconia Femoral Heads Exhibit Minimal Roughening and Abrasive Potential. 2017 , 32, 3806-3814		4
363	Structural studies of degradation process of zirconium dioxide tetragonal phase induced by grinding with dental bur. 2017 , 411, 85-93		2
362	A review of engineered zirconia surfaces in biomedical applications. 2017 , 65, 284-290		39
361	Aging of 3Y-TZP dental zirconia and yttrium depletion. <i>Dental Materials</i> , 2017 , 33, e385-e392	5.7	22
360	Degradation of 3,4-dichlorobenzotrifluoride by the Fenton-like process using zirconia-coated magnetite magnetic nanoparticles as an effective heterogeneous catalyst. 2017 , 24, 18575-18584		6
359	Cold sintering process for ZrO2-based ceramics: significantly enhanced densification evolution in yttria-doped ZrO2. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 491-495	3.8	45
358	Surface micro-morphology, phase transformation, and mechanical reliability of ground and aged monolithic zirconia ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 849-85	₫·1	40
357	In vitro assessment of cutting efficiency and durability of zirconia removal diamond rotary instruments. <i>Journal of Prosthetic Dentistry</i> , 2017 , 117, 775-783	4	3
356	Slow crack growth and hydrothermal aging stability of an alumina-toughened zirconia composite made from La2O3-doped 2Y-TZP. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 1865-1871	6	21
355	Surface quality of yttria-stabilized tetragonal zirconia polycrystal in CAD/CAM milling, sintering, polishing and sandblasting processes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 102-116	4.1	52
354	Densification and biocompatibility of sintering 3.0 mol% yttria-tetragonal ZrO2 polycrystal ceramics with x wt% Fe2O3 and 5.0 wt% mica powders additive. <i>Ceramics International</i> , 2017 , 43, 1809-1	ı&18	5
353	Microstructure and nanoindentation analyses of low-temperature aging on the zirconia-porcelain interface. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 66, 119-126	4.1	5
352	Effect of MgO doping on properties of low zirconium content Ce-TZP/Al2O3 as a joint replacement material. <i>Ceramics International</i> , 2017 , 43, 2807-2814	5.1	11

351	Oxygen vacancy generation and structural stability of MgO partially-stabilized zirconia upon MnO2 addition. 2017 , 4, 126309		Ο
350	Full Issue PDF. 2017 , 42, 569		
349	Fracture resistances of zirconia, cast Ni-Cr, and fiber-glass composite posts under all-ceramic crowns in endodontically treated premolars. 2017 , 9, 170-175		13
348	Grinding With Diamond Burs and Hydrothermal Aging of a Y-TZP Material: Effect on the Material Surface Characteristics and Bacterial Adhesion. 2017 , 42, 669-678		11
347	Comparison of the optical properties of pre-colored dental monolithic zirconia ceramics sintered in a conventional furnace versus a microwave oven. 2017 , 9, 394-401		16
346	Effect of ceramic thickness, grinding, and aging on the mechanical behavior of a polycrystalline zirconia. 2017 , 31, e82		15
345	Phase stability and thermo-physical properties of ZrO2-CeO2-TiO2 ceramics for thermal barrier coatings. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2841-2850	6	45
344	Can (Mg,Y)-PSZâBpinel composites be a valuable option for dental application?. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 873-883	2	Ο
343	Structural and photoluminescent properties of ZrO2:Tb3+ coatings formed by plasma electrolytic oxidation. 2018 , 197, 83-89		13
342	Wire electrical discharge machining of 3Y-TZP/Ta ceramic-metal composites. 2018, 739, 62-68		14
341	Sub-surface assessment of hydrothermal ageing in zirconia-containing femoral heads for hip joint applications. <i>Acta Biomaterialia</i> , 2018 , 68, 286-295	10.8	15
340	Influence of a surface conditioner to pre-sintered zirconia on the biaxial flexural strength and phase transformation. <i>Dental Materials</i> , 2018 , 34, 486-493	5.7	14
339	Effects of additive amount, testing method, fabrication process and sintering temperature on the mechanical properties of Al2O3/3Y-TZP composites. 2018 , 191, 446-460		22
338	Effect of calcia co-doping on ceria-stabilized zirconia. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2621-2631	6	27
337	Aging resistance, mechanical properties and translucency of different yttria-stabilized zirconia ceramics for monolithic dental crown applications. <i>Dental Materials</i> , 2018 , 34, 879-890	5.7	127
336	Evaluation of the ceramic liner bonding effect between zirconia and lithium disilicate. <i>Journal of Prosthetic Dentistry</i> , 2018 , 120, 282-289	4	9
335	Nano-scale mechanical behavior of pre-crystallized CAD/CAM zirconia-reinforced lithium silicate glass ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 82, 35-44	4.1	9
334	Production and properties of tooth-colored yttria stabilized zirconia ceramics for dental applications. <i>Ceramics International</i> , 2018 , 44, 2413-2418	5.1	12

333	Impact of sandblasting on the mechanical properties and aging resistance of alumina and zirconia based ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 915-925	6	19
332	The influence of stresses on ageing kinetics of 3Y- and 4Y- stabilized zirconia. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 753-760	6	14
331	Evaluation of surface treatments of monolithic zirconia in different sintering stages. <i>Journal of Prosthodontic Research</i> , 2018 , 62, 210-217	4.3	17
330	Effect of thickness and surface modifications on flexural strength of monolithic zirconia. <i>Journal of Prosthetic Dentistry</i> , 2018 , 119, 987-993	4	35
329	Combined Microwave and Laser Heating for Glazing of 8YâØrO2 and 8YâØrO2/ZrSiO4âØomposites. 2018 , 20, 1700615		
328	A fast, stepwise procedure to assess time-temperature equivalence for hydrothermal ageing of zirconia-based materials. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 181-186	6	7
327	Low temperature degradation of single layers of multilayered zirconia in comparison to conventional unshaded zirconia: Phase transformation and flexural strength. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 77, 171-175	4.1	26
326	Effect of iron oxide coloring agent on the sintering behavior of dental yttria-stabilized zirconia. <i>Ceramics International</i> , 2018 , 44, 4689-4693	5.1	11
325	Towards the prediction of hydrothermal ageing of 3Y-TZP bioceramics from processing parameters. 2018 , 144, 245-256		26
324	Effect of Plasma Treatment and Its Post Process Duration on Shear Bonding Strength and Antibacterial Effect of Dental Zirconia. <i>Materials</i> , 2018 , 11,	3.5	15
323	Polishing of Ground Y-TZP Ceramic is Mandatory for Improving the Mechanical Behavior. 2018 , 29, 483-	-491	9
322	Contemporary Dental Ceramic Materials, A Review: Chemical Composition, Physical and Mechanical Properties, Indications for Use. 2018 , 6, 1742-1755		50
321	Surface properties of dental zirconia ceramics affected by ultrasonic scaling and low-temperature degradation. 2018 , 13, e0203849		6
320	Hydrothermal ageing of tetragonal zirconia porous membranes: Effect of thermal residual stresses on the phase stability. 2018 , 142, 66-78		5
319	Influence of Cold Isostatic Pressure on Formation of Secondary Nanoscale Zirconia Inclusions in Alumina Grains in Ceramic Composites 3Y-TZP with Small Amount of Al2O3. 2018 ,		
318	Enhanced mechanical properties of 3 mol% Y2O3 stabilized tetragonal ZrO2 incorporating tourmaline particles. <i>Ceramics International</i> , 2018 , 44, 15550-15556	5.1	6
317	Cubic phase stability, optical and magnetic properties of Cu-stabilized zirconia nanocrystals. 2018 , 51, 225304		4
316	Effect of grinding on subsurface modifications of pre-sintered zirconia under different cooling and lubrication conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 86, 122-130	4.1	14

315	Mechanical performance of Y-TZP monolithic ceramic after grinding and aging: Survival estimates and fatigue strength. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 87, 288-295	4.1	22
314	Synthesis of bone implant substitutes using organic additive based zirconia nanoparticles and their biodegradation study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 88, 48-57	4.1	9
313	Grain fragmentation and phase transformations in hafnium oxide induced by swift heavy ion irradiation. 2018 , 124, 1		10
312	Effect of Different Coloring Procedures on the Aging Behavior of Dental Monolithic Zirconia. 2018 , 2018, 1-7		4
311	Evaluation of the Effect of Different Types of Abrasive Surface Treatment before and after Zirconia Sintering on Its Structural Composition and Bond Strength with Resin Cement. <i>BioMed Research International</i> , 2018 , 2018, 1803425	3	10
310	Effect of grinding and aging on subcritical crack growth of a Y-TZP ceramic. 2018, 32, e32		9
309	Microstructure and improved mechanical properties of Al2O3/Ba-EAl2O3/ZrO2 composites with YSZ addition. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 5113-5121	6	13
308	Corrosion of the bonding at FeCrAl/Zr alloy interfaces in steam. 2018, 508, 411-422		17
307	Zirconia Phase Transformation in Zirconia-Toughened Alumina Ceramic Femoral Heads: An Implant Retrieval Analysis. 2019 , 34, 3094-3098		6
306	Microstructure and properties of Ta coatings on the 3Y-TZP ceramic fabricated by plasma alloying technique. 2019 , 805, 1135-1143		4
305	Micro-Raman investigations on zirconium oxide film during swift heavy ion irradiation to study crystalline-to-crystalline phase transformation kinetics by cascade overlap model. <i>Journal of Applied Physics</i> , 2019 , 126, 025901	2.5	5
304	Thermal Plasma Synthesis of Zirconia Powder and Preparation of Premixed Ca-Doped Zirconia. 2019 , 39, 1397-1411		3
303	Low-fusing porcelain glaze application does not damage the fatigue strength of Y-TZP. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 99, 198-205	4.1	9
302	Comparison of a laboratorial scale synthesized and a commercial yttria-tetragonal zirconia polycrystals ceramics submitted to microwave sintering. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 2020-2027	2	
301	Surface treatment methods for mitigation of hydrothermal ageing of zirconia. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4322-4329	6	7
300	Is a Zirconia Dental Implant Safe When It Is Available on the Market?. 2019 , 2, 568-577		4
299	Properties of 10Sc1CeSZ-3.5YSZ(33-, 40-, 50-wt.%) Composite Ceramics for SOFC Application. 2019 , 6, 26-35		3
298	In-situ time-resolved study of structural evolutions in a zirconium alloy during high temperature oxidation and cooling. 2019 , 158, 109971		5

Ceramic materials. 2019, 804-827 7 297 Cu-promoted zirconia catalysts for non-oxidative propane dehydrogenation. 2019, 586, 117211 296 22 Structure and mechanical properties of nanofibrous ZrO2 derived from alternating field 295 5.1 9 electrospun precursors. *Ceramics International*, **2019**, 45, 18672-18682 Investigations into the interface failure of yttria partially stabilised zirconia - porcelain dental 294 prostheses through microscale residual stress and phase quantification. Dental Materials, 2019, 35, 1576 5 7593 7 Microbeam synchrotron radiation diffraction and fluorescence of oxide layers formed on zirconium 293 1 alloys at different corrosion temperatures. 2019, 526, 151779 Relationship between mechanical properties and microstructure of yttria stabilized zirconia 292 5.1 10 ceramics densified by spark plasma sintering. Ceramics International, 2019, 45, 23740-23749 The effect of YF3 on the mechanical properties and low-temperature degradation of 3Y-TZP 291 5.1 4 ceramics. Ceramics International, 2019, 45, 24212-24220 290 Changes in properties of monolithic and conventional zirconia during aging process. 2019, 138, 103159 2 A novel low thermal conductivity thermal barrier coating at super high temperature. 2019, 497, 143774 6 289 An electrochemical technique for controlled dissolution of zirconium based components of light 288 1 water reactors.. 2019, 9, 1869-1881 Biomaterials: Ceramic and Adhesive Technologies. 2019, 63, 233-248 287 2 High-fracture toughness and aging-resistance of 3Y-TZP ceramics with a low Al2O3 content for 286 5.1 9 dental applications. Ceramics International, 2019, 45, 6066-6073 Comparative Study of Oxides Formed on Fusion Zone and Base Metal of Laser Welded 285 6 Zr-1.0Sn-1.0Nb-0.1Fe Alloy. 2019, 28, 1161-1172 Effects of carbonyl nickel powder addition on the mechanical properties, microstructure, and 284 5.1 1 yttrium segregation of sintered 3YSZ composites. Ceramics International, 2019, 45, 14256-14262 Reaping the remarkable benefits of a âBurst nucleationâlapproach for a ceria doped zirconia system. 283 4 2019, 802, 318-325 Effect of different combinations of surface treatment on adhesion of resin composite to zirconia. 282 6 **2019**, 11, 119-129 Solution combustion synthesis of calcia-magnesia-aluminosilicate powder and its interaction with 281 yttria-stabilized zirconia and co-doped yttria-stabilized zirconia. Ceramics International, 2019, 45, 18255-18264 Air-abrasion using new silica-alumina powders containing different silica concentrations: Effect on the microstructural characteristics and fatigue behavior of a Y-TZP ceramic. Journal of the 280 4.1 Mechanical Behavior of Biomedical Materials, 2019, 98, 11-19

279	Effect of YSZ with different Y2O3 contents on toughening behavior of Al2O3/Ba-EAl2O3/ZrO2 composites. <i>Ceramics International</i> , 2019 , 45, 18037-18043	5.1	4
278	Combined wear and ageing of ceramic-on-ceramic bearings in total hip replacement under edge loading conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 98, 40-47	4.1	8
277	Effects of different finishing/polishing protocols and systems for monolithic zirconia on surface topography, phase transformation, and biofilm formation. 2019 , 11, 81-87		9
276	Surface microstructures and high-temperature high-pressure corrosion behavior of N18 zirconium alloy induced by high current pulsed electron beam irradiation. 2019 , 484, 453-460		20
275	Improvement of mechanical properties of Y-TZP by thermal annealing with monoclinic zirconia nanoparticle coating. <i>Dental Materials</i> , 2019 , 35, 970-978	5.7	3
274	New multi-layered zirconias: Composition, microstructure and translucency. <i>Dental Materials</i> , 2019 , 35, 797-806	5.7	71
273	Processing and mechanical properties of new hierarchical metal-graphene flakes reinforced ceramic matrix composites. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3491-3497	6	21
272	Thermodynamic stability of the fluorite phase in the CeO2 â[CaO â[ZrO2 system. 2019 , 517, 80-85		4
271	Influence of Metal Oxide Support Acid Sites on Cu-Catalyzed Nonoxidative Dehydrogenation of Ethanol to Acetaldehyde. 2019 , 9, 3537-3550		42
270	The effects of surface grinding and polishing on the phase transformation and flexural strength of zirconia. 2019 , 11, 1-6		8
269	Shear Bond Strength Between Zirconia and Veneer Ceramic: Effect of Thermocycling and Laser Treatment. 2019 , 37, 434-441		2
268	Effect of surface treatments and aging on phase transformation and flexural strength of different Y-TZP ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 1425-1440	2	O
267	Additive manufacturing of ceramics for dental applications: A review. <i>Dental Materials</i> , 2019 , 35, 825-84	46 5.7	136
266	Zirconia layers: Structure, residual stress and fracture strength. 2019 , 214, 378-389		3
265	Development of novel zirconia implant's materials gradated design with improved bioactive surface. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 94, 110-125	4.1	13
264	Two-step sintering of Sm2O3 doped ceria stabilized zirconia. <i>Ceramics International</i> , 2019 , 45, 10348-10)355	2
263	Preparation of alumina-toughened zirconia via 3D printing and liquid precursor infiltration: manipulation of the microstructure, the mechanical properties and the low temperature aging behavior. 2019 , 54, 7447-7459		10
262	High-translucent yttria-stabilized zirconia ceramics are wear-resistant and antagonist-friendly. <i>Dental Materials</i> , 2019 , 35, 1776-1790	5.7	24

261	Swelling and mineralogical characteristics of alkali-transformed kaolinitic clays. 2019 , 183, 105353		4
260	Stress-induced phase transformation in shape memory ceramic nanoparticles. <i>Journal of Applied Physics</i> , 2019 , 126, 215109	2.5	3
259	Influence of additives on the purity of tetragonal phase and grain size of ceria-stabilized tetragonal zirconia polycrystals (Ce-TZP). <i>Ceramics International</i> , 2019 , 45, 394-400	5.1	10
258	Effect of hydrothermal aging on the optical properties of precolored dental monolithic zirconia ceramics. <i>Journal of Prosthetic Dentistry</i> , 2019 , 121, 676-682	4	19
257	Reaction mechanism and microstructure evolution of andalusite with zirconia. 2019, 54, 3778-3785		1
256	Effect of airborne particle abrasion and sintering order on the surface roughness and shear bond strength between Y-TZP ceramic and resin cement. 2019 , 38, 241-249		10
255	Study on the reaction process and mechanism of the system of cordierite with zirconia. <i>Ceramics International</i> , 2019 , 45, 5066-5071	5.1	4
254	Preparation and thermophysical properties of Ti4+ doped zirconia matrix thermal barrier coatings. 2019 , 777, 646-654		6
253	Load-bearing capacity under fatigue and survival rates of adhesively cemented yttrium-stabilized zirconia polycrystal monolithic simplified restorations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 90, 673-680	4.1	13
252	Influence of glass-ceramic coating on composite zirconia bonding and its characterization. <i>Dental Materials</i> , 2019 , 35, 105-113	5.7	10
251	Synthesis and Characterization of ZnO-ZrO2 Nanocomposites for Photocatalytic Degradation and Mineralization of Phenol. 2019 , 2019, 1-12		30
250	Phase Transformation and Roughening in Artificially Aged and Retrieved Zirconia-Toughened Alumina Femoral Heads. 2019 , 34, 772-780		8
249	Response of pre-crystallized CAD/CAM zirconia-reinforced lithium silicate glass ceramic to cyclic nanoindentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 92, 58-70	4.1	4
248	Optimal sandblasting conditions for conventional-type yttria-stabilized tetragonal zirconia polycrystals. <i>Dental Materials</i> , 2019 , 35, 169-175	5.7	29
247	Slow crack growth resistance of electrically conductive zirconia-based composites with non-oxide reinforcements. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 641-646	6	2
246	Dense and strong ZrO2 ceramics fully densified in . 2019 , 118, 23-29		4
245	Effects of Silica Coating by Physical Vapor Deposition and Repeated Firing on the Low-Temperature Degradation and Flexural Strength of a Zirconia Ceramic. 2019 , 28, e186-e194		6
244	Phase transformation and modifications in high-k ZrO2 nanocrystalline thin films by low energy Kr5+ ion beam irradiation. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122127	4.4	11

243	Chemical durability of high translucent dental zirconia. 2020 , 39, 12-23		11
242	Influence of shading technique on mechanical fatigue performance and optical properties of a 4Y-TZP ceramic for monolithic restorations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 102, 103457	4.1	4
241	Effect of aging process on some properties of conventional and multilayered translucent zirconia for monolithic restorations. <i>Ceramics International</i> , 2020 , 46, 1854-1868	5.1	8
240	Characterization and strengthening of porous alumina-20 wt% zirconia ceramic composites. <i>Ceramics International</i> , 2020 , 46, 893-902	5.1	10
239	Evaluation of the effect of low-temperature degradation on the translucency and mechanical properties of ultra-transparent 5Y-TZP ceramics. <i>Ceramics International</i> , 2020 , 46, 553-559	5.1	12
238	Influence of laser texturing on surface features, mechanical properties and low-temperature degradation behavior of 3Y-TZP. <i>Ceramics International</i> , 2020 , 46, 3502-3512	5.1	7
237	Degradation kinetics of high-translucency dental zirconias: Mechanical properties and in-depth analysis of phase transformation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 102, 103482	4.1	7
236	Does the bond strength of highly translucent zirconia show a different dependence on the airborne-particle abrasion parameters in comparison to conventional zirconia?. <i>Journal of Prosthodontic Research</i> , 2020 , 64, 60-70	4.3	14
235	Physico-chemical characterization of alkali-contaminated tropical kaolinitic clays. 2020 , 14, 941-955		1
234	Fracture load of two thicknesses of different zirconia types after fatiguing and thermocycling. Journal of Prosthetic Dentistry, 2020 , 123, 635-640	4	8
233	In vitro investigation of fracture load and aging resistance of high-speed sintered monolithic tooth-borne zirconia crowns. <i>Journal of Prosthodontic Research</i> , 2020 , 64, 182-187	4.3	5
232	Effects of hydrothermal aging, thermal cycling, and water storage on the mechanical properties of a machinable resin-based composite containing nano-zirconia fillers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 102, 103522	4.1	6
231	Influence of in-situ formed Ba-FAl2O3 on mechanical properties and thermal shock resistance of ZTA/Ba-FAl2O3 composites. <i>Ceramics International</i> , 2020 , 46, 3738-3743	5.1	3
230	Effects of binder and compression strength on molding parameters of dental ceramic blocks. <i>Ceramics International</i> , 2020 , 46, 10186-10193	5.1	2
229	X-ray diffraction analysis of the yttria stabilized zirconia powder by mechanical alloying and sintering. <i>Ceramics International</i> , 2020 , 46, 9691-9697	5.1	5
228	Performances and aging stability of new Al2O3-ZrO2-TiO2 ternary ceramic composites. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122586	4.4	3
227	Interplay between internal stresses and matrix stiffness influences hydrothermal ageing behaviour of zirconia-toughened-alumina. 2020 , 185, 55-65		8
226	Phase transformation of CdSe nanocrystals at high fluence irradiation of 120 MeV swift Ni10+ and Ag7+ ions âlX-ray diffraction and Raman spectral analysis. 2020 , 509, 144708		6

(2020-2019)

225	Influence of Aging on Biaxial Flexural Strength and Hardness of Translucent 3Y-TZP. <i>Materials</i> , 2019 , 13,	3.5	4
224	Reliability and aging behavior of three different zirconia grades used for monolithic four-unit fixed dental prostheses. <i>Dental Materials</i> , 2020 , 36, e329-e339	5.7	10
223	In-vitro hemolytic activity and free radical scavenging by sol-gel synthesized Fe3O4 stabilized ZrO2 nanoparticles. 2020 , 13, 7598-7608		7
222	Flexural strength and crystalline stability of a monolithic translucent zirconia subjected to grinding, polishing and thermal challenges. <i>Ceramics International</i> , 2020 , 46, 26168-26175	5.1	6
221	Mechanical and microstructural properties of ultra-translucent dental zirconia ceramic stabilized with 5 mol% yttria. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 111, 103974	4.1	10
220	Influence of the microstructure on the life prediction of hydrothermal degraded 3Y-TZP bioceramics. 2020 , 9, 10830-10840		3
219	Reliability of an injection-moulded two-piece zirconia implant with PEKK abutment after long-term thermo-mechanical loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 110, 1039	6 7 1	2
218	Selective aqueous-phase hydrogenation of glucose and xylose over ruthenium-based catalysts: influence of the support. 2020 , 495, 111150		4
217	Effect of crystalline phase assemblage on reliability of 3Y-TZP. <i>Journal of Prosthetic Dentistry</i> , 2021 , 126, 238-247	4	1
216	Microwave assisted sol-gel synthesis of bioactive zirconia nanoparticles - Correlation of strength and structure. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 112, 104012	4.1	11
215	Breakaway characterization of Zircaloy-4 oxidized in steam and in oxygen at high temperatures using HT- XRD analysis. 2020 , 176, 109028		6
214	Effect of Alkali Concentration on Swelling Characteristics of Transformed Kaolinitic Clays. 2020 , 68, 373	-393	1
213	High-energy X-ray phase analysis of CMAS-infiltrated 7YSZ thermal barrier coatings: Effect of time and temperature. 2020 , 35, 2300-2310		3
212	Phase Stability of Nanocrystalline Grains of Rare-Earth Oxides (SmO and EuO) Confined in Magnesia (MgO) Matrix. <i>Materials</i> , 2020 , 13,	3.5	4
211	Mechanical properties, aging stability and translucency of speed-sintered zirconia for chairside restorations. <i>Dental Materials</i> , 2020 , 36, 959-972	5.7	25
2 10	Study of Copper Doped Zirconium Dioxide Nanoparticles Synthesized via Solâliel Technique for Photocatalytic Applications. 2020 , 30, 4989-4998		9
209	Corrosion and Low Temperature Degradation of 3Y-TZP dental ceramics under acidic conditions. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 6114-6122	6	2
208	Raman study of oxide layers on zirconium alloys using 18O tracers. 2020 , 55, 460-470		

207	Microstructure and Mechanical Properties of Zirconia (3Y-TZP)/Zr Composites Prepared by Wet Processing and Subsequent Spark Plasma Sintering. 2020 , 3, 53-64		2
206	Structure, mechanical, optical, and imaging contrast features of Yb , Dy , Tb , Gd , Eu , and Nd substituted Y O -Ln O solid solution. 2020 , 108, 2656-2669		1
205	Ion Product Scale for Phase and Size Selective Crystal Growth of Zirconia Nanoparticles. 2020, 20, 5589-	-5595	6
204	Highly dense 0.3CaCeNbWO8-0.7LaMnO3 composite ceramics fabricated by cold sintering process. Journal of the American Ceramic Society, 2020 , 103, 6586-6593	3.8	4
203	Enhancement of mechanical properties of ceria-calcia stabilized zirconia by alumina reinforcement. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 3714-3722	6	7
202	Importance of tetragonal phase in high-translucent partially stabilized zirconia for dental restorations. <i>Dental Materials</i> , 2020 , 36, 491-500	5.7	16
201	Comparison of conventional and reactive sintering techniques for Leadâllree BCZT ferroelectric ceramics. 2020 , 172, 108770		1
200	Comparison of thermally cycled PS-PVD and EB-PVD thermal barrier coatingsaldepth-resolved monoclinic phase evolution via synchrotron X-ray diffraction. 2020 ,		
199	Shape-Memory Actuation in Aligned Zirconia Nanofibers for Artificial Muscle Applications at Elevated Temperatures. 2020 , 3, 2156-2166		8
198	Synchrotron X-Ray Diffraction Study of Phase Transformation in CMAS Ingressed EB-PVD Thermal Barrier Coatings. 2020 ,		
197	Low-temperature degradation of high-strength Y-TZP (yttria-stabilized tetragonal zirconia polycrystal). 2020 , 39, 577-586		5
196	120 MeV Ni10+ swift heavy ions irradiation on CdSe nanocrystals induces cubic to hexagonal phase transformation - A study of microstructural modification. 2020 , 114, 105079		5
195	Effect of Low-Concentration Hydrofluoric Acid Etching on Shear Bond Strength and Biaxial Flexural Strength after Thermocycling. <i>Materials</i> , 2020 , 13,	3.5	4
194	Shear bond strength of composite cement to alumina-coated versus tribochemical silica-treated zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 105, 103710	4.1	4
193	Effect of cementation and aging on the marginal fit of veneered and monolithic zirconia and metal-ceramic CAD-CAM crowns. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 323.e1-323.e7	4	2
192	Characterization of the structure and properties of processed alumina-graphene and alumina-zirconia composites. <i>Ceramics International</i> , 2021 , 47, 367-380	5.1	3
191	In vitro cellular response and hydrothermal aging of two-step sintered Nb2O5 doped ceria stabilized zirconia ceramics. <i>Ceramics International</i> , 2021 , 47, 1594-1601	5.1	1
190	Low Temperature Degradation and Mechanical Properties of Alumina Reinforced Ceria-Zirconia by Colloidal Processing. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1459-1470	6	2

(2021-2021)

189	Effect of air-abrasion at pre- and/or post-sintered stage and hydrothermal aging on surface roughness, phase transformation, and flexural strength of multilayered monolithic zirconia. 2021 , 109, 606-616		3
188	In vivo aging of zirconia dental ceramics - Part I: Biomedical grade 3Y-TZP. <i>Dental Materials</i> , 2021 , 37, 443-453	5.7	7
187	Microstructural design of cellular 3 YTZ-Al2O3 ceramic membranes. <i>Ceramics International</i> , 2021 , 47, 1040-1046	5.1	1
186	Combined application of femtosecond laser and air-abrasion protocols to monolithic zirconia at different sintering stages: Effects on surface roughness and resin bond strength. 2021 , 109, 596-605		5
185	Effect of airborne-particle abrasion and polishing on novel translucent zirconias: Surface morphology, phase transformation and insights into bonding. <i>Journal of Prosthodontic Research</i> , 2021 , 65, 97-105	4.3	4
184	Influence of zirconia surface treatments of a bilayer restorative assembly on the fatigue performance. <i>Journal of Prosthodontic Research</i> , 2021 , 65, 162-170	4.3	O
183	Metal oxide-based ceramics. 2021, 301-331		
182	Microstructural changes and fracture resistance of nano-crystalline monolithic zirconia restorations upon aging. 2021 , 1046, 012013		
181	Swelling Behavior of Alkali Transformed Kaolinitic Clays Treated with Flyash and Ground Granulated Blast Furnace Slag. 1		О
180	Biodistribution of iron-oxide-stabilized 99mTc- ZrO2 nanoparticles in rabbit using honey as a capping agentafinicrowave-assisted solagel approach. 2021 , 98, 95-112		1
179	Hot corrosion properties of plasma sprayed La2Ce2O7/YSZ vis-^-vis La2Ce2O7/cluster paired zirconia thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2021 , 409, 126902	4.4	1
178	Effect of Air-Abraded Versus Laser-Fused Fluorapatite Glass-Ceramics on Shear Bond Strength of Repair Materials to Zirconia. <i>Materials</i> , 2021 , 14,	3.5	O
177	The Influence of Surface Preparation, Chewing Simulation, and Thermal Cycling on the Phase Composition of Dental Zirconia. <i>Materials</i> , 2021 , 14,	3.5	2
176	Mechanical properties of ceramic composites based on ZrO co-stabilized by YO-CeO reinforced with AlO platelets for dental implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 116, 104372	4.1	5
175	Evaluation of incipient oxidation behavior of ZrO2-Coated Zircaloy-4 by thermogravimetric analysis. <i>Materials Chemistry and Physics</i> , 2021 , 262, 124317	4.4	2
174	Effect of Acid Mixtures on Surface Properties and Biaxial Flexural Strength of As-Sintered and Air-Abraded Zirconia. <i>Materials</i> , 2021 , 14,	3.5	O
173	Influence of Preaging Temperature on the Indentation Strength of 3Y-TZP Aged in Ambient Atmosphere. <i>Materials</i> , 2021 , 14,	3.5	3
172	Designing alumina-zirconia composites by DLP-based stereolithography: Microstructural tailoring and mechanical performances. <i>Ceramics International</i> , 2021 , 47, 13457-13468	5.1	8

171	Photoluminescence properties of Eu3+ doped ZrO2 with different morphologies and crystal structures. 2021 , 864, 158781		5
170	Influence of the sintering method on densification, microstructure and electrical conductivity of 12Ce-TZP. 2021 , 120, 202-208		1
169	Biaxial flexural strength and phase transformation characteristics of dental monolithic zirconia ceramics with different sintering durations: An in vitro study. <i>Journal of Prosthetic Dentistry</i> , 2021 ,	4	0
168	Feasibility Study on the Precision Polishing of Zirconia Ceramics with Magnetic Compound Fluid (MCF) Slurry Under the Assistance of Dielectrophoresis Effect. 2021 , 13, 874-882		
167	Hydrothermal-aging-induced lattice distortion in yttria-stabilized zirconia using EBSD technique. 2021 , 145, 103053		3
166	Hydrothermal Ageing and Its Effect on Fracture Load of Zirconia Dental Implants. <i>Materials</i> , 2021 , 14,	3.5	O
165	Control growth of NiFe2O4 phase in thermal annealed ⊞e2O3/NiFe2O4 nanocomposites for the beneficial magnetic application. 2021 , 127, 1		4
164	Effect of hydrothermal aging on dental multilayered zirconia for monolithic restorations: An in vitro study. <i>Ceramics International</i> , 2021 , 47, 17057-17068	5.1	1
163	Microstructural responses of Zirconia materials to in-situ SEM nanoindentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 118, 104450	4.1	2
162	Studying the Damage Evolution and the Micro-Mechanical Response of X8CrMnNi16-6-6 TRIP Steel Matrix and 10% Zirconia Particle Composite Using a Calibrated Physics and Crystal-Plasticity-Based Numerical Simulation Model. 2021 , 11, 759		7
161	A comprehensive study of dense zirconia components fabricated by additive manufacturing. 2021 , 43, 101994		4
160	Characterization of Long-Term, In-Reactor Zircaloy-4 Corrosion Coupons and the Impact of Flux, Fluence, and Temperature on Oxide Growth, Stress Development, Phase Formation, and Grain Size. 2021 , 588-619		
159	Emerging Multimodel Zirconia Nanosystems for High-Performance Biomedical Applications. 2021 , 1, 2100039		8
158	Effect of microwave heating duration on the stability of the partially stabilised zirconia doped with CaO. <i>Ceramics International</i> , 2021 , 47, 22447-22460	5.1	1
157	Effect of different surface treatments on surface roughness, phase transformation, and biaxial flexural strength of dental zirconia. 2021 , 15, 210-218		2
156	Effect of finishing/polishing techniques and aging on topography, C. albicans adherence, and flexural strength of ultra-translucent zirconia: an in situ study. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	1
155	Influence of yttria content and surface treatment on the strength of translucent zirconia materials. Journal of Prosthetic Dentistry, 2021 ,	4	0
154	Influence of Manufacturing Regimes on the Phase Transformation of Dental Zirconia. <i>Materials</i> , 2021 , 14,	3.5	1

153	Mechanical properties of ceria-calcia stabilized zirconia ceramics with alumina additions. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 5602-5612	6	1
152	Fabrication and thermal shock behavior of ZrO2 toughened magnesia aggregates. <i>Ceramics International</i> , 2021 , 47, 26475-26483	5.1	2
151	Effect of erbium doping on phase composition, mechanical and thermal properties of ZrO2-based ceramics. 2021 ,		Ο
150	In vitro evaluation of tooth-colored yttria stabilized zirconia ceramics. 1-9		
149	Alumina toughened zirconia reinforced with equiaxed and elongated lanthanum hexa-aluminate precipitates. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 247-247	6	1
148	Optimized sintering and mechanical properties of Y-TZP ceramics for dental restorations by adding lithium disilicate glass ceramics. 1		4
147	Insight into t->m transition of MW treated 3Y-PSZ ceramics by grazing incidence X-ray diffraction. Journal of the European Ceramic Society, 2021 , 42, 227-227	6	0
146	Structural, morphological properties and phase stabilisation criteria of the calcia-zirconia system. 1-12		1
145	Size-driven phase transformation and microstructure evolution of ZrO2 nanocrystallites associated with thermal treatments. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 5624-5633	6	4
144	The speciation of niobium in the oxide layer of an irradiated Low-Tin ZIRLO nuclear material. 2021 , 190, 109630		1
143	Annealing-Induced Off-Stoichiometric and Structural Alterations in Ca- and Y-Stabilized Zirconia Ceramics. <i>Materials</i> , 2021 , 14,	3.5	0
142	Assessment of zirconia fluorescence after treatment with immersion in liquids, glass infiltration and aging. <i>Ceramics International</i> , 2021 , 47, 27511-27523	5.1	O
141	Fabrication and characterization of bioactive zirconia-based nanocrystalline glass-ceramics for dental abutment. <i>Ceramics International</i> , 2021 , 47, 26877-26890	5.1	2
140	Interaction between Yb2O3-Y2O3 co-stabilized ZrO2 ceramic powder and molten silicate deposition, and its implication on thermal barrier coating application. 2021 , 180, 111418		2
139	On the behaviour of zirconia-based dental materials: A review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 124, 104861	4.1	7
138	Effect of coloring liquids on biaxial flexural strength of monolithic zirconia. 2021 , 59, 190		
137	INVESTIGATION OF FRACTURE RESISTANCE OF ZIRCONIA RESTORATIONS AFTER DIFFERENT SURFACE TREATMENTS.		
136	Degradation of Bioceramics. 2012 , 195-252		2

135	R-curve Behaviour of Alumina and PSZ at Ambient and High Temperatures. 1992, 357-369		2
134	Mechanical Properties and Dependence with Temperature of Tetragonal Polycrystalline Zirconia Materials. 1986 , 285-296		2
133	The Role of Powder Calcination Conditions in the Sintering Behaviour of Calcined ZrO2 Powders. 1989 , 141-147		2
132	Ceramic Steel?. 1990 , 253-257		3
131	Alumina âl Z irconia Ceramics: Preparation and Properties. 1989 , 161-170		1
130	Sintering Aids for Ce-TZP. 1989 , 171-180		4
129	Reaction-Sintered Mullite-Zirconia Composites: Mechanism and Properties. 1989, 51-66		1
128	Microstructure and hydrothermal ageing of alumina-zirconia composites modified by laser engraving. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2077-2089	6	8
127	Highly enhanced aging resistance of rapidly solidified zirconia toughened alumina bioceramics with refined eutectic microstructure. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2497-2503	6	2
126	Probing the Radial Chemistry of Getter Components in Light Water Reactors via Controlled Electrochemical Dissolution. 2020 , 5, 13578-13587		1
125	Influence of TiO2on the Mechanical Properties at High Temperature of Zirconia-Toughened Alumina. 1988 , 3, 563-568		6
124	CORROSION AND OXIDATION BEHAVIOR OF POLYMER DERIVED CERAMIC COATINGS WITH PASSIVE GLASS FILLERS ON AISI441 STAINLESS STEEL. 2018 , 146-157		14
123	Microstructural Characterization of Oxides Formed on Model Zr Alloys Using Synchrotron Radiation. 2008 , 5, 101257		25
122	Microstructure and Growth Mechanism of Oxide Layers Formed on Zr Alloys Studied with Micro-Beam Synchrotron Radiation. 2005 , 2, 12375		32
121	Effect of Sn on Corrosion Mechanisms in Advanced Zr-Cladding for Pressurised Water Reactors. 2015 , 404-437		6
120	Sinteriza ß e propriedades mecfiicas do compfiito Y-TZP/Al2O3. 2007 , 53, 227-233		2
119	Influence of different surface treatments on the fracture toughness of a commercial ZTA dental ceramic. 2007 , 10, 63-68		2
118	Fundamental Study on Sintering Characteristics of Functionally Gradient Materials. 2004 , 70, 818-822		1

117	POLARIZED YTTRIA-STABILIZED ZIRCONIA IMPROVES DURABILITY FOR DEGRADATION AND APATITE FORMATION IN SIMULATED BODY FLUID. 2012 , 26, 77-80	2
116	The Feeding Response of Epilachna indica (Coleoptera: Coccinellidae: Epilachninae) Towards Extracts of Azadirachta indica. 2008 , 5, 77-90	5
115	Mechanical properties of zirconia after different surface treatments and repeated firings. 2014, 6, 462-7	31
114	An experimental study on hydrothermal degradation of cubic-containing translucent zirconia. 2020 , 12, 265-272	4
113	Ceramic Laminate Veneers: Materials Advances and Selection. 2014 , 04, 268-279	3
112	Bright Green Luminescence from Zirconium Oxide Stabilized with Tb³⁺ lons Synthesized by Solution Combustion Technique. 2013 , 03, 173-179	12
111	Overview of Zirconia: Application as Denture Base Material Substituting for Metal. 2013 , 3, 153-156	2
110	Structural and Morphological Evaluation of Presintered Zirconia following Different Surface Treatments. 2018 , 19, 156-165	2
109	Comparison of zirconia degradation in dental implants and femoral balls: an X-ray diffraction and nanoindentation study. 2021 , 7, 103	1
108	Is Surface Metastability of Todayâl Ceramic Bearings a Clinical Issue?. 2021 , 5, 273	2
107	Mechanical Properties of Ce-ZrO2/Y-ZrO2 Composites. 2005 , 54, 1173-1177	2
106	Effect of Grain Size and Heat-treating Atmosphere on the Phase Stability of Y-TZP. 2006 , 13, 360-365	1
105	Growth of GaN Thin-Film from Spin Coated GaOOH Precursor. 2007 , 17, 1-5	1
104	Synthesis of PSZ-seeding Mullite Composite from Metal Alkoxides and Its Characteristics of Sintered Body. 2007 , 17, 18-24	
103	Direct Observation on the Low Temperature Degradation Due to Surface Treatment in Y-TZP. 2010 , 17, 197-202	
102	Cytotoxicity of Ceramic Materials. 2011 , 111, 46-52	
101	Oriented Attachment (OA) with SolidâBolid Interface. 2012 , 69-81	
100	Mechanical Properties and Thermal Stability of Surface La2O3- and Fe2O3-Modified Y-TZP Ceramics on Annealing in Water at 200°C. 169-181	

99	A Novel Method for the Generation of Zirconium and Magnesium Silicates Using Smectite Clays. 55-66
98	Inhibition of Low-Temperature Degradation and Biocompatibility on Surface of Yttria-Stabilized Zirconia by Electric Polarization. 183-190
97	Effect of surface and heat treatment on the bond strength of veneering ceramics to zirconia(Y-TZP). 2013 , 35, 271-280
96	Crescimento subcritico de trinca e previs o de vida em fadiga do comp o ito cer í nico ZrO2-Al2O3. 2014 , 60, 41-51
95	Effect of Phase Composition in Solid Electrolytes of ZrO2-8.1 mol%MgO on Oxygen Activity Measurement in Molten Steel. 1984 , 70, 1250-1255
94	Phase Transformation and Toughening in MgO Dispersed with ZrO2. 1986 , 295-304
93	Control of the Tetragonal to Monoclinic Phase Transformation of Yttria-doped Tetragonal ZrO2 Polycrystals by Annealing in Water. 1987 , 215-222
92	Improvement of Resistance to Thermal Degradation of Mg-PSZ. 1988 , 1167-1172
91	Effect of Environmental Gas on Tetragonal to Monoclinic Transformation in Y-TZP. 1988 , 1161-1166
90	Martensitic Transformation in TZP Investigated by a Site Selective Spectroscopy Method. 1989 , 255-269
89	Ageing Effect on Microstructural and Mechanical Properties of Mullite âl\(\mathbb{Z}\)rO2-TiO2 Composites. 1989 , 67-79
88	Microstructural Changes During Isothermal Aging of a Calcia Partially Stabilized Zirconia Alloy. 1990 , 301-322
87	A Personal History of the Development of Transformation Toughened PSZ Ceramics. 1990 , 239-252
86	Mechanical Properties of Ce-TZP/Al2O3 Ceramics with Small TiO2 Additions. 1992 , 476-482
85	Plasma-Spray Coating of Titanium Supports with Various Ceramics: A Study at the Interface. 1992 , 236-243
84	New Product of Zirconia/Alumina Fine Ceramics Compounds and Its Grinding Characteristics. 1997 , 197-206
83	Effect of Grain Boundary Segregation on the Hydrothermal Degradation of Dental 3Y-TZP Ceramics. 81-88
82	THE INFLUENCE OF SANDBLASTING AND AGING ON Y-TZP CERAMIC DURING STATIC AND OYNAMIC LOADING. 2017 , 81-90

81 Microstructure Evolution in Ion-Irradiated Oxidized Zircaloy-4 Studied with Synchrotron Radiation Microdiffraction and Transmission Electron Microscopy. **2018**, 385-414

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63	Physical and biological implications of accelerated aging on stereolithographic additive-manufactured zirconia for dental implant abutment <i>Journal of Prosthodontic Research</i> , 2021 ,	4.3	1
62	Effect of different zirconia surface pretreatments on the flexural strength of veneered Y-TZP ceramic before and after in vitro aging. <i>Journal of Prosthodontic Research</i> , 2021 ,	4.3	
61	Effect of grinding parameters on surface integrity and flexural strength of 3Y-TZP ceramic. <i>Journal of the European Ceramic Society</i> , 2022 , 42, 1635-1644	6	1
60	Fabrication and mechanical properties of TiN/ZrO2(2Y) composites by hot isostatic pressing. <i>Journal of Materials Science Letters</i> , 1996 , 15, 1615-1617		
59	Resin Cement-Zirconia Bond Strengthening by Exposure to Low-Temperature Atmospheric Pressure Multi-Gas Plasma <i>Materials</i> , 2022 , 15,	3.5	1
58	Digital light processing stereolithography of zirconia ceramics: Slurry elaboration and orientation-reliant mechanical properties. <i>Journal of the European Ceramic Society</i> , 2022 ,	6	3
57	Influence of ceramic-coating techniques on composite-zirconia bonding: Strain energy release rate evaluation <i>Dental Materials</i> , 2022 , 38, e31-e31	5.7	0
56	[Ca24Al28O64]4+:4eâlelectride ceramic realizes mechanical and electrical transport properties coordinated regulation via composite ZrO2. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 6380	2.1	O
55	Influence of high-speed sintering protocols on translucency, mechanical properties, microstructure, crystallography, and low-temperature degradation of highly translucent zirconia <i>Dental Materials</i> , 2021 , 38, 451-451	5.7	4
54	Zirconia-based materials in alternative energy devices - A strategy for improving material properties by optimizing the characteristics of initial powders. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	1
53	The effect of adjustment and finishing procedure on roughness, strength, and phase transformation of monolithic zirconia <i>Clinical Oral Investigations</i> , 2022 , 1	4.2	O
52	Effect of bioactivation through acid/alkali process on the flexure strength of zirconia-based ceramics and composites. <i>Advanced Composite Materials</i> , 1-12	2.8	O
51	Evaluation of Mechanical and Electrical Performance of Aging Resistance ZTA Composites Reinforced with Graphene Oxide Consolidated by SPS <i>Materials</i> , 2022 , 15,	3.5	2
50	Femtosecond laser microstructuring of monolithic zirconia: effects of laser parameters on resin bond strength. <i>International Journal of Applied Ceramic Technology</i> ,	2	
49	Effect of high-speed sintering on the microstructure, mechanical properties and ageing resistance of stereolithographic additive-manufactured zirconia. <i>Ceramics International</i> , 2022 , 48, 9797-9804	5.1	1
48	High-temperature interface stability of tri-layer thermal environmental barrier coatings. <i>Ceramics International</i> , 2022 , 48, 9313-9323	5.1	O
47	Surface Roughness and Translucency of Various Translucent Zirconia Ceramics after Hydrothermal Aging. <i>European Journal of Dentistry</i> , 2021 ,	2.6	О
46	Research on the low-temperature degradation of dental zirconia ceramics fabricated by stereolithography <i>Journal of Prosthetic Dentistry</i> , 2021 ,	4	1

45	Combined Effect of Low Zro2 Content and Carbon Nanostructures on Mechanical and Wear Properties of Hot-Pressed Al2o3/Zro2 Hybrid Nanocomposites. SSRN Electronic Journal,	1	
44	Pre-sintering pigmentation techniques do not affect the fatigue behavior of adhesively luted 4YSZ restorations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 105270	4.1	O
43	Influence of Ammonia on the Corrosion Behavior of a ZrâBnâBb Alloy in High Temperature Water. <i>Frontiers in Materials</i> , 2022 , 9,	4	
42	Effects of glass-ceramic spray deposition manipulation on the surface characteristics of zirconia dental restorations. <i>Ceramics International</i> , 2022 ,	5.1	2
41	Effect of thermal treatment at high temperature on phase stability and transformation of Yb2O3 and Y2O3 co-doped ZrO2 ceramics. <i>Scientific Reports</i> , 2022 , 12,	4.9	O
40	Functional gradient coating of alumina on net shaped zirconia implant: Improved strength, aging resistance, and role of residual stress. <i>Journal of the European Ceramic Society</i> , 2022 ,	6	1
39	Overview of Several Typical Ceramic Materials for Restorative Dentistry. <i>BioMed Research International</i> , 2022 , 2022, 1-18	3	1
38	3D printed zirconia dental implants with integrated directional surface pores combine mechanical strength with favorable osteoblast response. <i>Acta Biomaterialia</i> , 2022 ,	10.8	1
37	The multiple dependence of controllable microstructure and mechanical properties of (AlO1.5) (NdO1.5) (CeO2)0.12-1.5(ZrO2)0.88+ ceramics. 2022 ,		0
36	Enhanced bioactivity and low temperature degradation resistance of yttria stabilized zirconia/clay composites for dental applications. 2022 ,		
35	Combined effect of low ZrO2 content and carbon nanostructures on mechanical and wear properties of hot-pressed Al2O3/ZrO2 hybrid nanocomposites. 2022 ,		0
34	The harnessing of the waste arising from Y-TZP dental ceramics manufactured by CAD/CAM to be used as alternative dental materials. 2022 ,		
33	Advanced zirconia ceramics stabilized with yttria and magnesia: Structure and Vickers microhardness. 2022 , 134, 105425		
32	3D Printing of Bioinert Oxide Ceramics for Medical Applications. 2022 , 13, 155		1
31	Effect of Sandblasting with Fluorapatite Glass-ceramic Powder and Chemical Primers/Adhesives on Shear Bond Strength of Indirect Repairing Composite to Zirconia. 2022 ,		O
30	Evaluation of the effect of high-speed sintering on the mechanical and crystallographic properties of dental zirconia sintered bodies. 2022 ,		O
29	Insight into the thermal hydrolysis behaviors of 5Y-TZP based oxygen sensor: Effect of grain size dependent T-M phase transformation and residual stress. 2023 , 374, 132845		0
28	Development of sea urchin type silica stabilised zirconia nanospheres with enhanced antimicrobial and osteoactivity properties. 2022 , 20, 228080002211363		O

27	The Effect of Mullite Addition on Wear Properties of SiO2 Doped ZrO2 Ceramics. 2022, 43, 257-265	0
26	Low-cost surface modification of a biomedical Zr-2.5Nb alloy fabricated by electron beam melting. 2022 ,	O
25	Ultra-fine Yttria-Stabilized Zirconia for dental applications: a step forward in the quest towards strong, translucent and aging resistant dental restorations. 2022 ,	0
24	Low-temperature degradation of yttria-stabilized zirconia treated with pulsed laser and annealing techniques. 2022 ,	O
23	Synthesis of ceramic surface on Zr alloy using plasma electrolytic oxidation in molten salt. 2023 , 36, 102533	0
22	Tough and damage-tolerant monolithic zirconia ceramics with transformation-induced plasticity by grain-boundary segregation. 2022 ,	O
21	Recent advances in ZrO2 nanofibers: From structural design to emerging applications.	О
20	Effect of different surface treatments on the biaxial flexural strength of zirconia ceramics. 2022,	O
19	The Effect of the Energy Release Rate on the Local Damage Evolution in TRIP Steel Composite Reinforced with Zirconia Particles. 2023 , 16, 134	1
18	Improving low temperature degradation of 3Y-TZP ceramics via high temperature carburizing. 2022	O
17	Selective Crystallization of Ferroelectric HfxZr1â⊠O2 via Excimer Laser Annealing.	O
16	Fatigue behavior of zirconia with microgrooved surfaces produced using femtosecond laser. 2023 , 38,	O
15	The spectroscopic quality factor, phase, morphological, structural, and photoluminescent analysis of ZrO2:Nd3+ coatings created by Plasma electrolytic oxidation. 2023 , 257, 119665	0
14	Effect of Low-thermal Degradation on the Flexural Strength of Y-TZP Ceramics. 2022 , 23, 448-454	O
13	Effect of Hydrogen Peroxide on the Surface and Attractiveness of Various Zirconia Implant Materials on Human Osteoblasts: An In Vitro Study. 2023 , 16, 961	O
12	Structural integrity and damage of glass-ceramics after He ion irradiation: Insights from ZrO2-SiO2 nanocrystalline glass-ceramics. 2023 , 43, 2624-2633	O
11	Tailoring wear and tribo-induced interaction of YSZ coating sliding against Si3N4 and Al2O3 counterparts. 2023 , 518-519, 204628	0
10	Low-yttria doped zirconia: Bridging the gap between strong and tough ceramics. 2023,	О

CITATION REPORT

9	Insights into the interfacial speciation of Ni in the corrosion layer of high burnup Zircaloy-2 cladding: A combined XRD, XAS, and LFDFT study. 2023 , 215, 111024	О
8	Effect of strength and toughness of ceramic particles on impact abrasive wear resistance of iron matrix composites. 2023 , 35, 105689	O
7	Construction of Nanostructured Glass-Zirconia to Improve the Interface Stability of Dental Bilayer Zirconia. 2023 , 13, 678	0
6	Role and Mechanism of a Micro-/Nano-Structured Porous Zirconia Surface in Regulating the Biological Behavior of Bone Marrow Mesenchymal Stem Cells.	O
5	Laboratory, Clinical-Related Processing and Time-Related FactorsâlEffect on Properties of High Translucent Zirconium Dioxide Ceramics Intended for Monolithic Restorations A Systematic Review. 2023 , 6, 734-797	0
4	Structure and Properties of 3D Printed Zirconia Applied in Dentistry. 2023 , 24, 106-131	O
3	Transient thermal stresses developed during speed sintering of 3 mol% yttria-stabilized tetragonal zirconia polycrystals. 2023 ,	0
2	Dispersion control via crystal-phase modulation of yttrium-doped ZrO2 nanoparticle sol. 2023 , 131476	O
1	Bibliometric analysis of zirconia publications between 1980 and 2021: Global productivity and publication trends. 2023 ,	0