

# Ricardo H R Castro

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122 papers	2,388 citations	29 h-index	40 g-index
133 ext. papers	2,752 ext. citations	4.8 avg, IF	5.53 L-index

#	Paper	IF	Citations
122	Improving Thermodynamic Stability of nano-LiMn <sub>2</sub> O <sub>4</sub> for Li-Ion Battery Cathode. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3915-3925	9.6	8
121	Interfacial energies in nanocrystalline complex oxides. <i>Current Opinion in Solid State and Materials Science</i> , <b>2021</b> , 25, 100911	12	3
120	Ultrahigh temperature in situ transmission electron microscopy based bicrystal coble creep in Zirconia II: Interfacial thermodynamics and transport mechanisms. <i>Acta Materialia</i> , <b>2020</b> , 200, 1008-1021	8.4	2
119	Thermodynamics and kinetics of sintering of Y <sub>2</sub> O <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 4903-4912	3.8	5
118	Energetics of CO and HO adsorption on alkaline earth metal doped TiO. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 15600-15607	3.6	8
117	Simultaneous segregation of lanthanum to surfaces and grain boundaries in MgAl <sub>2</sub> O <sub>4</sub> nanocrystals. <i>Applied Surface Science</i> , <b>2020</b> , 529, 147145	6.7	13
116	Size-induced room temperature softening of nanocrystalline yttria stabilized zirconia. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 2050-2055	6	1
115	Size-induced grain boundary energy increase may cause softening of nanocrystalline yttria-stabilized zirconia. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 2001-2011	3.8	2
114	Experimental phase diagram for beryllium-magnesium aluminate nanoparticles. <i>Ceramics International</i> , <b>2020</b> , 46, 2703-2708	5.1	0
113	A model for direct and inverse Hall-Petch relation for nanocrystalline ceramics. <i>Materials Letters</i> , <b>2020</b> , 260, 126886	3.3	11
112	In Situ Transmission Electron Microscopy for Ultrahigh Temperature Mechanical Testing of ZrO. <i>Nano Letters</i> , <b>2020</b> , 20, 1041-1046	11.5	9
111	The influence of dopants on the surface enthalpy of Yttrium aluminum garnet (YAG). <i>Thermochimica Acta</i> , <b>2020</b> , 683, 178471	2.9	2
110	Ultrahigh temperature in situ transmission electron microscopy based bicrystal coble creep in zirconia I: Nanowire growth and interfacial diffusivity. <i>Acta Materialia</i> , <b>2020</b> , 199, 530-541	8.4	3
109	Low-temperature sintering of magnesium aluminate spinel doped with manganese: Thermodynamic and kinetic aspects. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 4167-4177	3.8	4
108	TiO <sub>2</sub> Surface Engineering to Improve Nanostability: The Role of Interface Segregation. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 4949-4960	3.8	14
107	Sintering of translucent and single-phase nanostructured scandia-stabilized zirconia. <i>Materials Letters</i> , <b>2019</b> , 253, 246-249	3.3	9
106	Annealing control of hydrothermally grown hematite nanorods: Implication of structural changes and Cl concentration on weak ferromagnetism. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 799, 83-88	5.7	11

105	Effect of segregation on particle size stability and SPS sintering of Li <sub>2</sub> O-Doped magnesium aluminate spinel. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 3213-3220	6	4
104	Grain boundary strengthening in nanocrystalline zinc aluminate. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 6904-6912	3.8	9
103	Site Inversion Induces Thermodynamic Stability against Coarsening in Zinc Aluminate Spinel. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 8818-8826	3.8	8
102	Controlling sintering and grain growth of nanoceramics. <i>Ceramica</i> , <b>2019</b> , 65, 122-129	1	9
101	Grain boundary energy, disordering energy and grain growth kinetics in nanocrystalline MgAl <sub>2</sub> O <sub>4</sub> spinel. <i>Acta Materialia</i> , <b>2018</b> , 149, 302-311	8.4	17
100	Atomistic modeling of La doping segregation effect on nanocrystalline yttria-stabilized zirconia. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 13215-13223	3.6	6
99	New ultrasonic assisted co-precipitation for high surface area oxide based nanostructured materials. <i>Reaction Chemistry and Engineering</i> , <b>2018</b> , 3, 244-250	4.9	3
98	Kinetics and thermodynamics of densification and grain growth: Insights from lanthanum doped zirconia. <i>Acta Materialia</i> , <b>2018</b> , 150, 394-402	8.4	19
97	Modeling the final sintering stage of doped ceramics: mutual interaction between grain growth and densification. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 1680-1698	4.3	8
96	Kinetic and thermodynamic effects of manganese as a densification aid in yttria-stabilized zirconia. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1750-1759	6	16
95	Aluminum enhances photochemical charge separation in strontium titanate nanocrystal photocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16170-16176	13	16
94	The effect of electric fields on grain growth in MgAl <sub>2</sub> O <sub>4</sub> spinel. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 5512-5518	6	4
93	Energetic design of grain boundary networks for toughening of nanocrystalline oxides. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4260-4267	6	18
92	A Strategy to Mitigate Grain Boundary Blocking in Nanocrystalline Zirconia. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 26344-26352	3.8	5
91	Temperature Dependence Discontinuity in the Stability of Manganese-Doped Ceria Nanocrystals. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 446-453	3.5	10
90	Phase stability in scandia-zirconia nanocrystals. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2199-2208	3.2	10
89	Direct measurements of quasi-zero grain boundary energies in ceramics. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 166-173	2.5	20
88	Modeling the grain growth kinetics of doped nearly fully dense nanocrystalline ceramics. <i>Ceramics International</i> , <b>2017</b> , 43, 6677-6683	5.1	8

87	Effects of concurrent grain boundary and surface segregation on the final stage of sintering: the case of Lanthanum doped yttria-stabilized zirconia. <i>Journal of Materials Science and Technology</i> , <b>2017</b> , 33, 251-260	9.1	12
86	Enthalpies of formation in the scandia-zirconia system. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 4270-4275	3.8	4
85	Stability of rare-earth-doped spherical yttria-stabilized zirconia synthesized by ultrasonic spray pyrolysis. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 4425-4434	3.8	6
84	Calorimetric Measurements of Surface Energy of Amorphous HfO <sub>2</sub> Nanoparticles Produced by Gas Phase Condensation. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 10392-10397	3.8	11
83	Size-Induced Structural Disorder Enables Ultrahard Oxides. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 13898-13905	3.8	14
82	Reduced grain boundary energies in rare-earth doped MgAl <sub>2</sub> O <sub>4</sub> spinel and consequent grain growth inhibition. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 4043-4050	6	22
81	Direct measurement of interface energies of magnesium aluminate spinel and a brief sintering analysis. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 4051-4058	6	13
80	Synthesis of porous yttria-stabilized zirconia microspheres by ultrasonic spray pyrolysis. <i>Materials Letters</i> , <b>2017</b> , 188, 41-44	3.3	4
79	Nanoscale synthesis of single-phase forsterite by reverse strike co-precipitation and its high optical and mechanical properties. <i>Ceramics International</i> , <b>2017</b> , 43, 16225-16231	5.1	13
78	High temperature activation of hematite nanorods for sunlight driven water oxidation reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 25025-25032	3.6	18
77	Synthesis and surface enthalpy of MgGa <sub>2</sub> O <sub>4</sub> spinel. <i>Thermochimica Acta</i> , <b>2017</b> , 655, 326-330	2.9	2
76	Thermodynamics versus kinetics of grain growth control in nanocrystalline zirconia. <i>Acta Materialia</i> , <b>2017</b> , 136, 224-234	8.4	25
75	Colossal grain boundary strengthening in ultrafine nanocrystalline oxides. <i>Materials Letters</i> , <b>2017</b> , 186, 298-300	3.3	48
74	Surface energy effects on the stability of anatase and rutile nanocrystals: A predictive diagram for Nb <sub>2</sub> O <sub>5</sub> -doped-TiO <sub>2</sub> . <i>Applied Surface Science</i> , <b>2017</b> , 393, 103-109	6.7	27
73	Gas adsorption properties of ZSM-5 zeolites heated to extreme temperatures. <i>Ceramics International</i> , <b>2016</b> , 42, 15423-15431	5.1	9
72	Fast firing of bismuth doped yttria-stabilized zirconia for enhanced densification and ionic conductivity. <i>Journal of the Ceramic Society of Japan</i> , <b>2016</b> , 124, 370-374	1	1
71	Response to Extreme Temperatures of Mesoporous Silica MCM-41: Porous Structure Transformation Simulation and Modification of Gas Adsorption Properties. <i>Langmuir</i> , <b>2016</b> , 32, 11422-11431	4.31	11
70	Sintering and Nanostability: The Thermodynamic Perspective. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1105-1121	3.8	57

69	Irradiation-induced grain growth and defect evolution in nanocrystalline zirconia with doped grain boundaries. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 16921-9	3.6	18
68	Phase Stability in Calcia-Doped Zirconia Nanocrystals. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1778-1785	3.8	21
67	DC Electric Field-Enhanced Grain-Boundary Mobility in Magnesium Aluminate During Annealing. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1951-1959	3.8	9
66	Photocatalytic Nb <sub>2</sub> O <sub>5</sub> -doped TiO <sub>2</sub> nanoparticles for glazed ceramic tiles. <i>Ceramics International</i> , <b>2016</b> , 42, 5113-5122	5.1	29
65	Nanocrystalline yttria-doped zirconia sintered by fast firing. <i>Materials Letters</i> , <b>2016</b> , 166, 196-200	3.3	24
64	Synthesis of Ca-doped spinel by Ultrasonic Spray Pyrolysis. <i>Materials Letters</i> , <b>2016</b> , 171, 232-235	3.3	11
63	The Nanocrystalline SnO <sub>2</sub> /TiO <sub>2</sub> System-Part I: Structural Features. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 631-637	3.8	10
62	The Nanocrystalline SnO <sub>2</sub> /TiO <sub>2</sub> System-Part II: Surface Energies and Thermodynamic Stability. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 638-644	3.8	11
61	Improving the Thermodynamic Stability of Aluminate Spinel Nanoparticles with Rare Earths. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5163-5171	9.6	22
60	Stabilization of MgAl <sub>2</sub> O <sub>4</sub> spinel surfaces via doping. <i>Surface Science</i> , <b>2016</b> , 649, 138-145	1.8	23
59	Thermodynamic Strengthening of Heterointerfaces in Nanoceramics. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2897-2901	9.6	4
58	Effect of ammonia on the agglomeration of zirconia nanoparticles during synthesis, and sintering by spark plasma sintering. <i>Materials Letters</i> , <b>2016</b> , 183, 143-146	3.3	6
57	Phase Stability in Nanocrystals: A Predictive Diagram for Yttria-Zirconia. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1377-1384	3.8	41
56	Radiation tolerance of nanocrystalline ceramics: insights from Yttria Stabilized Zirconia. <i>Scientific Reports</i> , <b>2015</b> , 5, 7746	4.9	56
55	Synthesis of stoichiometric nickel aluminate spinel nanoparticles. <i>American Mineralogist</i> , <b>2015</b> , 100, 652-657	6.5	17
54	Thermodynamic Stability of SnO <sub>2</sub> Nanoparticles: The Role of Interface Energies and Dopants. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 6389-6397	3.8	34
53	Energetics of Oriented Attachment of Mn-Doped SnO <sub>2</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20662-20672	3.8	15
52	Grain growth resistant nanocrystalline zirconia by targeting zero grain boundary energies. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 2991-3002	2.5	27

51	Determination of Reliable Grain Boundary Orientation using Automated Crystallographic Orientation Mapping in the Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1663-1664	0.5	4
50	Influence of Ti <sup>4+</sup> on the Energetics and Microstructure of SnO <sub>2</sub> Nanoparticles. <i>Ceramic Engineering and Science Proceedings</i> , <b>2015</b> , 145-152	0.1	
49	Structure and segregation of dopant-defect complexes at grain boundaries in nanocrystalline doped ceria. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 15375-85	3.6	29
48	Interface Energies of Nanocrystalline Doped Ceria: Effects of Manganese Segregation. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 27855-27864	3.8	32
47	Obtaining highly dense YSZ nanoceramics by pressureless, unassisted sintering. <i>International Materials Reviews</i> , <b>2015</b> , 60, 353-375	16.1	27
46	Water Adsorption Microcalorimetry Model: Deciphering Surface Energies and Water Chemical Potentials of Nanocrystalline Oxides. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 10131-10142	3.8	39
45	Probing the Structure and Mechanical Properties of Individual MgAl <sub>2</sub> O <sub>4</sub> Porous Agglomerates and Their Effects on Densification. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1450-1451	0.5	
44	Nanodiffraction Characterization of Grain Boundary Structures in Nanocrystalline MgAl <sub>2</sub> O <sub>4</sub> prepared by Electric Field Assisted Sintering. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1936-1937	0.5	
43	Local Current-Activated Growth of Individual Nanostructures with High Aspect Ratios. <i>Materials Research Letters</i> , <b>2014</b> , 2, 10-15	7.4	4
42	Surface Segregation on Manganese Doped Ceria Nanoparticles and Relationship with Nanostability. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 30187-30196	3.8	52
41	Surface and grain boundary energies of tin dioxide at low and high temperatures and effects on densification behavior. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 1034-1046	2.5	19
40	Mechanical properties of individual MgAl <sub>2</sub> O <sub>4</sub> agglomerates and their effects on densification. <i>Acta Materialia</i> , <b>2014</b> , 69, 187-195	8.4	17
39	On the thermodynamic stability of nanocrystalline ceramics. <i>Materials Letters</i> , <b>2013</b> , 96, 45-56	3.3	66
38	Synthesis and Sintering Behavior of Ultrafine (. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 2077-2085	3.8	42
37	Design of Desintering in Tin Dioxide Nanoparticles. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4262-4268	9.6	14
36	Synthesis, size reduction, and delithiation of carbonate-free nanocrystalline lithium nickel oxide. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 1740-1745	4.3	5
35	Water adsorption and interface energetics of zinc aluminate spinel nanoparticles: Insights on humidity effects on nanopowder processing and catalysis. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 2004-2011	3.5	20
34	Direct measurement of grain boundary enthalpy of cubic yttria-stabilized zirconia by differential scanning calorimetry. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 083527	2.5	26

33	Analysis of Anhydrous and Hydrated Surface Energies of gamma-Al <sub>2</sub> O <sub>3</sub> by Water Adsorption Microcalorimetry. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24726-24733	3.8	67
32	Surface Segregation in Chromium-Doped Nanocrystalline Tin Dioxide Pigments. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 170-176	3.8	11
31	Transparent Nanocrystalline Pure and Ca-Doped MgO by Spark Plasma Sintering of Anhydrous Nanoparticles. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 1185-1188	3.8	30
30	The Hidden Effect of Interface Energies in the Polymorphic Stability of Nanocrystalline Titanium Dioxide. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 918-924	3.8	41
29	Enhanced electrical conduction in aluminum wires coated with carbon nanotubes. <i>Materials Letters</i> , <b>2011</b> , 65, 271-274	3.3	8
28	Experimental Methodologies for Assessing the Surface Energy of Highly Hygroscopic Materials: The Case of Nanocrystalline Magnesia. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 23929-23935	3.8	32
27	Quantification of MgO surface excess on the SnO <sub>2</sub> nanoparticles and relationship with nanostability and growth. <i>Applied Surface Science</i> , <b>2011</b> , 257, 4219-4226	6.7	41
26	Surface enthalpy and enthalpy of water adsorption of nanocrystalline tin dioxide: Thermodynamic insight on the sensing activity. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 848-853	2.5	32
25	Structural and magnetic properties of pure and nickel doped SnO <sub>2</sub> nanoparticles. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 496003	1.8	38
24	Experimental study of the structural, microscopy and magnetic properties of Ni-doped SnO <sub>2</sub> nanoparticles. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 2960-2964	3.9	23
23	Calorimetric Measurement of Surface and Interface Enthalpies of Yttria-Stabilized Zirconia (YSZ). <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2937-2945	9.6	59
22	Interface Energy Measurement of MgO and ZnO: Understanding the Thermodynamic Stability of Nanoparticles. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2502-2509	9.6	44
21	Microstructural effects of Sn addition to Fe <sub>2</sub> O <sub>3</sub> thin films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 1338-42	1.3	4
20	Deposition of Carbon Nanotubes on Silicon for Field Emission Application. <i>ECS Transactions</i> , <b>2009</b> , 23, 135-141	1	
19	Electrophoretic deposition of ZrO <sub>2</sub> ·2H <sub>2</sub> O: a bi-component study concerning self-assemblies. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 1851-1857	4.3	5
18	Surface modification of bovine bone ash prepared by milling and acid washing process. <i>Ceramics International</i> , <b>2009</b> , 35, 3043-3049	5.1	3
17	Interface Excess and Polymorphic Stability of Nanosized Zirconia-Magnesia. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3505-3511	9.6	29
16	Relationship between surface segregation and rapid propane electrical response in Cd-doped SnO <sub>2</sub> nanomaterials. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 133, 263-269	8.5	23



15	The rheological behavior and surface charging of gelcasting alumina suspensions. <i>Ceramics International</i> , <b>2008</b> , 34, 237-241	5.1	8
14	Surface modification of SnO <sub>2</sub> nanoparticles containing Mg or Fe: Effects on sintering. <i>Applied Surface Science</i> , <b>2007</b> , 253, 4581-4585	6.7	35
13	Surface reactivity and electrophoretic deposition of ZrO <sub>2</sub> /MgO mechanical mixture. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 6946-6950	4.3	10
12	Surface Energy and Thermodynamic Stability of $\gamma$ -Alumina: Effect of Dopants and Water. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1867-1872	9.6	84
11	A new method for obtaining adsorption isotherms on colloidal suspensions via electrokinetic sonic amplitude measurement. <i>Langmuir</i> , <b>2005</b> , 21, 11645-50	4	
10	Surface Segregation and Consequent SO <sub>2</sub> Sensor Response in SnO <sub>2</sub> /NiO. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4149-4153	9.6	108
9	Densification and electrical conductivity of fast fired manganese-doped ceria ceramics. <i>Materials Letters</i> , <b>2005</b> , 59, 1195-1199	3.3	44
8	Surface Segregation in SnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> Nanopowders and Effects in Mössbauer Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 2134-2138	2.3	48
7	Influence of the acid/basic character of oxide surfaces in dispersants effectiveness. <i>Ceramics International</i> , <b>2004</b> , 30, 2215-2221	5.1	16
6	Microstructure and structure of NiO/Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> systems. <i>Applied Surface Science</i> , <b>2003</b> , 214, 172-177	6.7	80
5	Sintering: the role of interface energies. <i>Applied Surface Science</i> , <b>2003</b> , 217, 194-201	6.7	30
4	The influence of the Chitosan adsorption on the stability of SnO <sub>2</sub> suspensions. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 897-903	6	16
3	Surface segregation of additives on SnO <sub>2</sub> based powders and their relationship with macroscopic properties. <i>Applied Surface Science</i> , <b>2002</b> , 195, 277-283	6.7	43
2	Engineering surface and electrophoretic deposition of SiC powder. <i>Materials Letters</i> , <b>2001</b> , 50, 115-119	3.3	8
1	Modeling Densification during Fast Firing of Yttria-Stabilized Zirconia	153-158	