

# Angel L Ortiz

## 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.

169  
papers

4,175  
citations

36  
h-index

54  
g-index

173  
ext. papers

4,652  
ext. citations

5.1  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
169	Ultra-low temperature spark plasma sintering of super wear-resistant hard B4C composites. <i>Scripta Materialia</i> , <b>2022</b> , 211, 114516	5.6	0
168	Fabrication of B4C ultrafiltration membranes on SiC supports. <i>Journal of the European Ceramic Society</i> , <b>2022</b> , 42, 3118-3126	6	0
167	Sliding-wear performance of ZrC <sub>0.8</sub> O: A comparative assessment under dry and neutral/non-neutral wet media. <i>Ceramics International</i> , <b>2021</b> , 48, 6880-6880	5.1	
166	Influence of Pr <sup>3+</sup> doping on the synthesis of colloidal sols and nanoparticulate TiO <sub>2</sub> xerogels and their photocatalytic activity. <i>Materials Characterization</i> , <b>2021</b> , 182, 111536	3.9	1
165	Fabrication of ultrafine-grained ZrC <sub>0.8</sub> O cemented carbides with superior sliding-wear resistance from micrometre starting powders. <i>Ceramics International</i> , <b>2021</b> , 47, 24831-24831	5.1	2
164	Spark plasma sintering and dry sliding-wear of ZrC-16.7 vol.% Co cemented carbides. <i>Ceramics International</i> , <b>2021</b> , 47, 12803-12811	5.1	3
163	Effect of 1-D and 2-D carbon-based nano-reinforcements on the dry sliding-wear behaviour of 3Y-TZP ceramics. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 3595-3602	6	3
162	Transient liquid-phase assisted spark-plasma sintering and dry sliding wear of B4C ceramics fabricated from B4C nanopowders. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 1869-1877	6	12
161	A critical comparison of the tribocorrosive performance in highly-alkaline wet medium of ultrafine-grained WC cemented carbides with Co, Co+Ni, or Co+Ni+Cr binders. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2021</b> , 95, 105452	4.1	3
160	Microstructural development during crystallization firing of a dental-grade nanostructured lithia-zirconia glass-ceramic. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 5728-5739	6	2
159	Aqueous tape casting of super-hard B4C laminates with rGO-enriched reinforcing interlayers. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 5457-5465	6	4
158	Ultra-low wear B4C-SiC-MoB <sub>2</sub> composites fabricated at lower temperature from B4C with MoSi <sub>2</sub> additives. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 68-68	6	1
157	Spark plasma sinterability and dry sliding-wear resistance of WC densified with Co, Co+Ni, and Co+Ni+Cr. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2020</b> , 92, 105280	4.1	15
156	Effect of high-energy ball-milling on the spark plasma sinterability of ZrB <sub>2</sub> with transition metal disilicides. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 5020-5028	6	4
155	Enhancing the Electrochemical Performance of NaCrO <sub>2</sub> through Structural Defect Control. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7216-7227	6.1	3
154	Processing of orthotropic and isotropic superhard B4C composites reinforced with reduced graphene oxide. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 3406-3413	6	12
153	An in situ and ex situ study of the microstructural evolution of a novel lithium silicate glass-ceramic during crystallization firing. <i>Dental Materials</i> , <b>2020</b> , 36, 645-659	5.7	7

152	Influence of substrate and sintering temperature on the thickness and number of layers of 3YSZ multilayer sol-gel coatings. <i>Ceramics International</i> , <b>2020</b> , 46, 18347-18351	5.1	3
151	Fracture, fatigue, and sliding-wear behavior of nanocomposites of alumina and reduced graphene-oxide. <i>Acta Materialia</i> , <b>2020</b> , 186, 29-39	8.4	20
150	Influence of Nd <sup>3+</sup> Doping on the Structure, Thermal Evolution and Photoluminescence Properties of Nanoparticulate TiO <sub>2</sub> Xerogels. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 152972	5.7	8
149	Bioinspired design of triboceramics: Learning from the anisotropic micro-fracture response of dental enamel under sliding contact. <i>Ceramics International</i> , <b>2020</b> , 46, 27983-27989	5.1	6
148	Pressureless ultrafast sintering of near-net-shaped superhard isotropic B <sub>4</sub> C/rGO composites with Ti-Al additives. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 4354-4360	6	11
147	Improving the dry sliding-wear resistance of B <sub>4</sub> C ceramics by transient liquid-phase sintering. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 5286-5292	6	10
146	A comparative study of the dry sliding wear of WC-10wt.%(Co+Fe+Ni) cemented carbides pressureless sintered with different Fe/Co ratios. <i>Journal of Asian Ceramic Societies</i> , <b>2020</b> , 8, 1043-1050	2.4	2
145	Highly sliding-wear resistant B <sub>4</sub> C composites fabricated by spark-plasma sintering with TiAl additives. <i>Scripta Materialia</i> , <b>2020</b> , 177, 91-95	5.6	21
144	Manufacturing B <sub>4</sub> C parts with Ti-Al intermetallics by aqueous colloidal processing. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 226-233	6	11
143	Unraveling Processing-Structure-Electrical Conductivity Relationships of NaCrO <sub>2</sub> Cathodes for Na-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A3546-A3553	3.9	2
142	Effect of sintering duration on the sliding-wear resistance of 3Y-TZP dental ceramics. <i>International Journal of Applied Ceramic Technology</i> , <b>2019</b> , 16, 1954-1961	2	5
141	Reinforcing 13-93 bioglass scaffolds fabricated by robocasting and pressureless spark plasma sintering with graphene oxide. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 97, 108-116	4.16	9
140	Fabricating toughened super-hard B <sub>4</sub> C composites at lower temperature by transient liquid-phase assisted spark plasma sintering with MoSi <sub>2</sub> additives. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 2862-2873	6	30
139	Microstructural development during heat treatment of a commercially available dental-grade lithium disilicate glass-ceramic. <i>Dental Materials</i> , <b>2019</b> , 35, 697-708	5.7	12
138	Mechanical activation enhanced solid-state synthesis of NaCrO <sub>2</sub> cathode material. <i>Materialia</i> , <b>2019</b> , 5, 100172	3.2	5
137	High-temperature compressive creep of novel fine-grained orthorhombic ZrO <sub>2</sub> ceramics stabilized with 12 mol% Ta doping. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2445-2448	6	3
136	Processing and electrical conductivity of non-stoichiometric lanthanum strontium manganite perovskites prepared from powders synthesized by a polymerizable-complexation route. <i>Ceramics International</i> , <b>2018</b> , 44, 13389-13395	5.1	4
135	Fabricating eco-friendly nanocomposites of SiC with morphologically-different nano-carbonaceous phases. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 3735-3741	6	3

134	Structural-microstructural characterization and optical properties of Eu <sup>3+</sup> ,Tb <sup>3+</sup> -codoped LaPO <sub>4</sub> ·nH <sub>2</sub> O and LaPO <sub>4</sub> nanorods hydrothermally synthesized with microwaves. <i>Ceramics International</i> , <b>2018</b> , 44, 11993-12001	5.1	11
133	Some crystallographic considerations on the novel orthorhombic ZrO <sub>2</sub> stabilized with Ta doping. <i>Ceramics International</i> , <b>2018</b> , 44, 10362-10366	5.1	3
132	Sliding-wear resistance of pure near fully-dense B <sub>4</sub> C under lubrication with water, diesel fuel, and paraffin oil. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1158-1163	6	12
131	Fabricating geometrically-complex B <sub>4</sub> C ceramic components by robocasting and pressureless spark plasma sintering. <i>Scripta Materialia</i> , <b>2018</b> , 145, 14-18	5.6	37
130	An interplay between electronic and structural effects on the photoluminescence decay mechanisms in LaPO <sub>4</sub> ·nH <sub>2</sub> O:Tb <sup>3+</sup> and LaPO <sub>4</sub> :Tb <sup>3+</sup> single-crystal nanorods. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12643-12651	7.1	2
129	Evaluating nanocrystallite size distributions in doped and undoped nanocrystalline ceramics by X-ray diffractometry. <i>Ceramics International</i> , <b>2018</b> , 44, 22365-22369	5.1	1
128	Reinforcement with reduced graphene oxide of bioactive glass scaffolds fabricated by robocasting. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3695-3704	6	17
127	Liquid-phase assisted spark-plasma sintering of SiC nanoceramics and their nanocomposites with carbon nanotubes. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 1929-1936	6	28
126	Ceramics of Ta-doping stabilized orthorhombic ZrO <sub>2</sub> densified by spark plasma sintering and the effect of post-annealing in air. <i>Scripta Materialia</i> , <b>2017</b> , 130, 128-132	5.6	14
125	Comminution of B <sub>4</sub> C powders with a high-energy mill operated in air in dry or wet conditions and its effect on their spark-plasma sinterability. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3873-3884	6	18
124	Structural-Defect-Controlled Electrochemical Performance of Sodium Ion Batteries with NaCrO <sub>2</sub> Cathodes. <i>ChemElectroChem</i> , <b>2017</b> , 4, 3222-3230	4.3	11
123	Near-net shape manufacture of B <sub>4</sub> C/Co and ZrC/Co composites by slip casting and pressureless sintering. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 4577-4584	6	27
122	Liquid-phase assisted flash sintering of SiC from powder mixtures prepared by aqueous colloidal processing. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 485-498	6	28
121	Microstructural effects on the sliding-wear resistance of ZrC/MoSi <sub>2</sub> triboceramics fabricated by spark-plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3091-3097	6	11
120	Enhancing the sliding-wear resistance of SiC nanostructured ceramics by adding carbon nanotubes. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3083-3089	6	31
119	Enhancing the spark-plasma sinterability of B <sub>4</sub> C nanopowders via room-temperature methylation induced purification. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 2843-2848	6	17
118	Aqueous colloidal processing of near-net shape B <sub>4</sub> C/Ni cermet compacts. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 1915-1921	6	16
117	Calcia-magnesia-alumino-silicate (CMAS)-induced degradation and failure of air plasma sprayed yttria-stabilized zirconia thermal barrier coatings. <i>Acta Materialia</i> , <b>2016</b> , 105, 355-366	8.4	118

116	Effect of Tb <sup>3+</sup> doping and self-generated pressure on the crystallographic/morphological features and thermal stability of LaPO <sub>4</sub> ·nH <sub>2</sub> O single-crystal nanorods obtained by microwave-assisted hydrothermal synthesis. <i>Ceramics International</i> , <b>2016</b> , 42, 18074-18086	5.1	7
115	Contact-mechanical properties at intermediate temperatures of ZrB <sub>2</sub> ultra-high-temperature ceramics pressureless sintered with Mo, Ta, or Zr disilicides. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 3179-3185	6	18
114	Aqueous colloidal processing of nano-SiC and its nano-Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> liquid-phase sintering additives with carbon nanotubes. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 3363-3368	6	23
113	Effect of processing conditions on the sliding-wear resistance of ZrC triboceramics fabricated by spark-plasma sintering. <i>Ceramics International</i> , <b>2015</b> , 41, 15278-15282	5.1	17
112	Tribological behavior of ionic liquid-based magnetorheological fluids in steel and polymeric point contacts. <i>Tribology International</i> , <b>2015</b> , 81, 309-320	4.9	27
111	Densification of B <sub>4</sub> C nanopowder with nanograin retention by spark-plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 1991-1998	6	40
110	CMAS-Resistant Plasma Sprayed Thermal Barrier Coatings Based on Y <sub>2</sub> O <sub>3</sub> -Stabilized ZrO <sub>2</sub> with Al <sup>3+</sup> and Ti <sup>4+</sup> Solute Additions. <i>Journal of Thermal Spray Technology</i> , <b>2014</b> , 23, 708-715	2.5	18
109	Influence of the synthesis process on the features of Y <sub>2</sub> O <sub>3</sub> -stabilized ZrO <sub>2</sub> powders obtained by the sol-gel method. <i>Ceramics International</i> , <b>2014</b> , 40, 6421-6426	5.1	17
108	Improving the sliding wear resistance of SiC nanoceramics fabricated by spark plasma sintering via gentle post-sintering annealing. <i>Scripta Materialia</i> , <b>2014</b> , 77, 9-12	5.6	12
107	Additive-free superhard B <sub>4</sub> C with ultrafine-grained dense microstructures. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 841-848	6	58
106	Rare earth-doped TiO <sub>2</sub> nanocrystalline thin films: Preparation and thermal stability. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 4457-4462	6	18
105	A comparative study of the pressureless sinterability of 3 mol% Y <sub>2</sub> O <sub>3</sub> -stabilized ZrO <sub>2</sub> powders prepared by the sol-gel method under different synthesis conditions without modifiers. <i>Ceramics International</i> , <b>2014</b> , 40, 16829-16834	5.1	3
104	Effect of hexagonal-BN additions on the sliding-wear resistance of fine-grained SiC densified with Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> liquid phase by spark-plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 565-574	6	23
103	A comparative study of the tribological performance of ferrofluids and magnetorheological fluids within steel-steel point contacts. <i>Tribology International</i> , <b>2014</b> , 78, 125-133	4.9	31
102	Sliding-wear resistance of liquid-phase-sintered SiC containing graphite nanodispersoids. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 2597-2602	6	25
101	Carbon nanotubes prevent the coagulation at high shear rates of aqueous suspensions of equiaxed ceramic nanoparticles. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 555-563	6	11
100	2ZrO <sub>2</sub> /Y <sub>2</sub> O <sub>3</sub> Thermal Barrier Coatings Resistant to Degradation by Molten CMAS: Part I, Optical Basicity Considerations and Processing. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3943-3949	3.8	73
99	Microwave-assisted Hydrothermal Synthesis of Single-crystal Nanorods of Rhabdophane-type Sr-doped LaPO <sub>4</sub> ·nH <sub>2</sub> O. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 750-758	3.8	9

98	Contact-mechanical properties at pre-creep temperatures of fine-grained graphene/SiC composites prepared in situ by spark-plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1433-1438	6	22
97	Synthesis and photocatalytic activity of Eu <sup>3+</sup> -doped nanoparticulate TiO <sub>2</sub> sols and thermal stability of the resulting xerogels. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 8-16	4-4	22
96	Effect of graphite addition on the spark-plasma sinterability of ZrB <sub>2</sub> and ZrB <sub>2</sub> BiC ultra-high-temperature ceramics. <i>Ceramics International</i> , <b>2014</b> , 40, 11457-11464	5-1	11
95	Effect of Er <sup>3+</sup> doping on the thermal stability of TiO <sub>2</sub> nanoparticulate xerogels. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2-3	15
94	Aqueous colloidal processing of submicrometric SiC plus Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> with diamond nanoparticles. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 2473-2482	6	13
93	Room temperature one-pot solution synthesis of nanoscale CsSn <sub>3</sub> orthorhombic perovskite thin films and particles. <i>Materials Letters</i> , <b>2013</b> , 110, 127-129	3-3	44
92	On the enhancement of the spark-plasma sintering kinetics of ZrB <sub>2</sub> BiC powder mixtures subjected to high-energy co-ball-milling. <i>Ceramics International</i> , <b>2013</b> , 39, 4191-4204	5-1	24
91	Sliding-wear resistance of ultrafine-grained SiC densified by spark plasma sintering with 3Y <sub>2</sub> O <sub>3</sub> + 5Al <sub>2</sub> O <sub>3</sub> or Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> additives. <i>Scripta Materialia</i> , <b>2013</b> , 69, 598-601	5-6	23
90	Spark-plasma-sintering kinetics of ZrC <sub>0.5</sub> BiC powder mixtures subjected to high-energy co-ball-milling. <i>Ceramics International</i> , <b>2013</b> , 39, 9691-9697	5-1	15
89	Toughening of super-hard ultra-fine grained B <sub>4</sub> C densified by spark-plasma sintering via SiC addition. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1395-1401	6	85
88	The prolific polytypism of silicon carbide. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 242-247	3-8	21
87	Aqueous colloidal processing of SiC with Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> liquid-phase sintering additives. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1685-1694	6	22
86	Microstructural effects on the sliding-wear resistance of pressureless liquid-phase-sintered SiC under diesel fuel. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 879-885	6	14
85	Crystal-size dependence of the spark-plasma-sintering kinetics of ZrB <sub>2</sub> ultra-high-temperature ceramics. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 271-276	6	59
84	Effect of intergranular phase chemistry on the sliding-wear resistance of pressureless liquid-phase-sintered BiC. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 511-516	6	38
83	A route for the pressureless liquid-phase sintering of SiC with low additive content for improved sliding-wear resistance. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 965-973	6	61
82	Spark-plasma sintering of ZrB <sub>2</sub> ultra-high-temperature ceramics at lower temperature via nanoscale crystal refinement. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 2529-2536	6	50
81	Microstructural effects on the sliding wear of transparent magnesium-aluminate spinel. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 3143-3149	6	22

80	Effect of the sintering additive content on the protective passive oxidation behaviour of pressureless liquid-phase-sintered SiC. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 3531-3536	6	16
79	Microstructural evolution and contact-mechanical properties of SiC ceramics prepared colloiddally with low additive content. <i>Ceramics International</i> , <b>2012</b> , 38, 5979-5986	5.1	17
78	In situ formation of ZrB <sub>2</sub> /ZrO <sub>2</sub> ultra-high-temperature ceramic composites from high-energy ball-milled ZrB <sub>2</sub> powders. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 518, 38-43	5.7	21
77	Composition effects of thermal barrier coating ceramics on their interaction with molten CaMgAl <sub>12</sub> O <sub>19</sub> silicate (CMAS) glass. <i>Acta Materialia</i> , <b>2012</b> , 60, 5437-5447	8.4	149
76	Study of the Contributions of Non-Specific and Specific Interactions during Fluoxetine Adsorption onto Activated Carbons. <i>Clean - Soil, Air, Water</i> , <b>2012</b> , 40, 698-705	1.6	8
75	A line-broadening analysis model for the microstructural characterization of nanocrystalline materials from asymmetric x-ray diffraction peaks. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 215301	1.8	2
74	Improvement of the Spark-Plasma-Sintering Kinetics of ZrC by High-Energy Ball-Milling. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 453-456	3.8	26
73	Densification of additive-free polycrystalline SiC by spark-plasma sintering. <i>Ceramics International</i> , <b>2012</b> , 38, 45-53	5.1	59
72	A study of the oxidation of ZrB <sub>2</sub> powders during high-energy ball-milling in air. <i>Ceramics International</i> , <b>2012</b> , 38, 2857-2863	5.1	27
71	Effects of composition and crystallite size on the accuracy of the Rietveld method in determining lattice parameters of polytypes in multiphase SiC ceramics. <i>Ceramics International</i> , <b>2012</b> , 38, 4285-4293	5.1	2
70	Anomalous oxidation behaviour of pressureless liquid-phase-sintered SiC. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 2393-2400	6	33
69	On the crystallite size refinement of ZrB <sub>2</sub> by high-energy ball-milling in the presence of SiC. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 2407-2414	6	28
68	Synthesis and structural characterization of two new copper(II) complexes with thiazoline derivative ligands: Influence of the coordination on the phagocytic activity of human neutrophils. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 365, 282-289	2.7	7
67	Effect of MoSi <sub>2</sub> content on the lubricated sliding-wear resistance of ZrC/MoSi <sub>2</sub> composites. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 877-882	6	22
66	Synthesis and structural characterization of two bond isomer copper(II) complexes via molecular modeling coupled with X-ray powder diffractometry. <i>Polyhedron</i> , <b>2011</b> , 30, 1157-1162	2.7	6
65	Effect of type of solvent alcohol and its molar proportion on the drying critical thickness of ZrO <sub>2</sub> /mol% Y <sub>2</sub> O <sub>3</sub> films prepared by the sol-gel method. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 3540-3545	4.4	10
64	Hertzian Indentation of a ZrB <sub>2</sub> /SiC Ultra-High-Temperature Ceramic up to 800°C in Air. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1848	3.8	7
63	High-Energy Ball Milling of ZrB <sub>2</sub> in the Presence of Graphite. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3072-3075	3.8	23

62	Discriminating between two chiral diastereoisomeric 7-oxanitronorbornenes by conventional X-ray powder diffractometry. <i>Zeitschrift für Kristallographie</i> , <b>2010</b> , 225,		2
61	Effect of calcination temperature on the textural properties of 3mol% yttria-stabilized zirconia powders. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 175-178	3.9	14
60	Air-plasma-sprayed thermal barrier coatings that are resistant to high-temperature attack by glassy deposits. <i>Acta Materialia</i> , <b>2010</b> , 58, 6835-6844	8.4	131
59	Clarifying the effect of sintering conditions on the microstructure and mechanical properties of $\beta$ -tricalcium phosphate. <i>Ceramics International</i> , <b>2010</b> , 36, 1929-1935	5.1	59
58	Experimental study of the microstructure and stress state of shot peened and surface mechanical attrition treated nickel alloys. <i>Scripta Materialia</i> , <b>2010</b> , 62, 129-132	5.6	58
57	Effect of Ar or N <sub>2</sub> sintering atmosphere on the high-temperature oxidation behaviour of pressureless liquid-phase-sintered $\beta$ -SiC in air. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 119-128	6	15
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53	Effect of N <sub>2</sub> sintering atmosphere on the hardness of sol-gel films of 3 mol% Y <sub>2</sub> O <sub>3</sub> -stabilized ZrO <sub>2</sub> . <i>Thin Solid Films</i> , <b>2010</b> , 518, 2779-2782	2.2	8
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49	Porosity Development in Activated Carbons Prepared from Walnut Shells by Carbon Dioxide or Steam Activation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 7474-7481	3.9	76
48	Crystal structure of [NBu <sub>4</sub> ] <sub>2</sub> [Pd <sub>2</sub> {C <sub>4</sub> (COOMe) <sub>4</sub> ] <sub>2</sub> (EDH) <sub>2</sub> ] determined ab initio by charge flipping. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 467, 322-326	5.7	7
47	Evaluation of the phase composition of (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> +(NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub> mixtures by X-ray diffractometry. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 686-692	5.7	1
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45	Hall-Petch relationship in a nanotwinned nickel alloy. <i>Scripta Materialia</i> , <b>2008</b> , 58, 951-954	5.6	55



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43	Oxidation behavior of pressureless liquid-phase-sintered SiC in ambient air at elevated temperatures. <i>Journal of Materials Research</i> , <b>2008</b> , 23, 1689-1700	2.5	13
42	Tensile properties of a nickel-base alloy subjected to surface severe plastic deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 493, 176-183	5.3	35
41	A family of hydrogels based on ureido-linked aminopolyol-derived amphiphiles and bolaamphiphiles: synthesis, gelation under thermal and sonochemical stimuli, and mesomorphic characterization. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 5656-69	4.8	33
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35	Complex impedance spectroscopy study of a liquid-phase-sintered SiC ceramic. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3935-3939	6	19
34	Hardness degradation in liquid-phase-sintered SiC with prolonged sintering. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3359-3364	6	25
33	Microstructural design of sliding-wear-resistant liquid-phase-sintered SiC: An overview. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3351-3357	6	63
32	Structure determination of di- $\mu$ -hydroxo-bis[(2-(2-pyridyl)phenyl-kappa <sup>2</sup> N,C1)palladium(II)] by X-ray powder diffractometry. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2007</b> , 63, 75-80		18
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30	Creep and Microstructural Evolution at High Temperature of Liquid-Phase-Sintered Silicon Carbide. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 163-169	3.8	19
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28	Effect of the nature of the intergranular phase on sliding-wear resistance of liquid-phase-sintered SiC. <i>Scripta Materialia</i> , <b>2007</b> , 57, 505-508	5.6	18
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