# Angel L Ortiz

List of Publications by Year
in descending order

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|---|---|---|---|
| 171 papers | 5,229 citations | 81839 39 h-index | 123376 61 g-index |
| 174 all docs | 174 docs citations | 174 times ranked | 4043 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sliding-wear performance of ZrCâ€"Co: A comparative assessment under dry and neutral/non-neutral wet media. Ceramics International, 2022, 48, 6880-6889. | 2.3 | 2 |
| 2 | Ultra-low temperature spark plasma sintering of super wear-resistant hard B4C composites. Scripta Materialia, 2022, 211, 114516. | 2.6 | 12 |
| 3 | Fabrication of B4C ultrafiltration membranes on SiC supports. Journal of the European Ceramic Society, 2022, 42, 3118-3126. | 2.8 | 8 |
| 4 | Transient liquid-phase assisted spark-plasma sintering and dry sliding wear of B4C ceramics fabricated from B4C nanopowders. Journal of the European Ceramic Society, 2021, 41, 1869-1877. | 2.8 | 21 |
| 5 | 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. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105452. | 1.7 | 11 |
| 6 | Fabrication of ultrafine-grained ZrCâ€"Co cemented carbides with superior sliding-wear resistance from micrometre starting powders. Ceramics International, 2021, 47, 24831-24840. | 2.3 | 7 |
| 7 | Spark plasma sintering and dry sliding-wear of ZrC-16.7Âvol.% Co cemented carbides. Ceramics International, 2021, 47, 12803-12811. | 2.3 | 5 |
| 8 | Effect of 1-D and 2-D carbon-based nano-reinforcements on the dry sliding-wear behaviour of 3Y-TZP ceramics. Journal of the European Ceramic Society, 2021, 41, 3595-3602. | 2.8 | 4 |
| 9 | Microstructural development during crystallization firing of a dental-grade nanostructured lithia-zirconia glass-ceramic. Journal of the European Ceramic Society, 2021, 41, 5728-5739. | 2.8 | 9 |
| 10 | Aqueous tape casting of super-hard B4C laminates with rGO-enriched reinforcing interlayers. Journal of the European Ceramic Society, 2021, 41, 5457-5465. | 2.8 | 7 |
| 11 | Ultra-low wear B4C-SiC-MoB2 composites fabricated at lower temperature from B4C with MoSi2 additives. Journal of the European Ceramic Society, 2021, 41, 68-75. | 2.8 | 14 |
| 12 | Influence of Pr3+ doping on the synthesis of colloidal sols and nanoparticulate TiO2 xerogels and their photocatalytic activity. Materials Characterization, 2021, 182, 111536. | 1.9 | 5 |
| 13 | Highly sliding-wear resistant B4C composites fabricated by spark-plasma sintering with Tiâ€"Al additives. Scripta Materialia, 2020, 177, 91-95. | 2.6 | 28 |
| 14 | Manufacturing B4C parts with Ti-Al intermetallics by aqueous colloidal processing. Journal of the European Ceramic Society, 2020, 40, 226-233. | 2.8 | 14 |
| 15 | Fracture, fatigue, and sliding-wear behavior of nanocomposites of alumina and reduced graphene-oxide. Acta Materialia, 2020, 186, 29-39. | 3.8 | 35 |
| 16 | Influence of Nd3+ Doping on the Structure, Thermal Evolution and Photoluminescence Properties of Nanoparticulate TiO2 Xerogels. Journal of Alloys and Compounds, 2020, 819, 152972. | 2.8 | 11 |
| 17 | Bioinspired design of triboceramics: Learning from the anisotropic micro-fracture response of dental enamel under sliding contact. Ceramics International, 2020, 46, 27983-27989. | 2.3 | 8 |
| 18 | Pressureless ultrafast sintering of near-net-shaped superhard isotropic B4C/rGO composites with Ti-Al additives. Journal of the European Ceramic Society, 2020, 40, 4354-4360. | 2.8 | 17 |

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| 19 | Improving the dry sliding-wear resistance of B4C ceramics by transient liquid-phase sintering. Journal of the European Ceramic Society, 2020, 40, 5286-5292. | 2.8 | 18 |
| 20 | A comparative study of the dry sliding wear of WC-10wt.%(Co+Fe+Ni) cemented carbides pressureless sintered with different Fe/Co ratios. Journal of Asian Ceramic Societies, 2020, 8, 1043-1050. | 1.0 | 6 |
| 21 | Spark plasma sinterability and dry sliding-wear resistance of WC densified with Co, Co+Ni, and Co+Ni+Cr. International Journal of Refractory Metals and Hard Materials, 2020, 92, 105280. | 1.7 | 19 |
| 22 | Effect of high-energy ball-milling on the spark plasma sinterability of ZrB2 with transition metal disilicides. Journal of the European Ceramic Society, 2020, 40, 5020-5028. | 2.8 | 16 |
| 23 | Enhancing the Electrochemical Performance of NaCrO2 through Structural Defect Control. ACS Applied Energy Materials, 2020, 3, 7216-7227. | 2.5 | 11 |
| 24 | Processing of orthotropic and isotropic superhard B4C composites reinforced with reduced graphene oxide. Journal of the European Ceramic Society, 2020, 40, 3406-3413. | 2.8 | 15 |
| 25 | An in situ and ex situ study of the microstructural evolution of a novel lithium silicate glass-ceramic during crystallization firing. Dental Materials, 2020, 36, 645-659. | 1.6 | 7 |
| 26 | Influence of substrate and sintering temperature on the thickness and number of layers of 3YSZ multilayer sol-gel coatings. Ceramics International, 2020, 46, 18347-18351. | 2.3 | 4 |
| 27 | Unraveling Processing-Structure-Electrical Conductivity Relationships of NaCrO2 Cathodes for Na-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3546-A3553. | 1.3 | 4 |
| 28 | Effect of sintering duration on the slidingâ€wear resistance of 3Yâ€TZP dental ceramics. International Journal of Applied Ceramic Technology, 2019, 16, 1954-1961. | 1.1 | 6 |
| 29 | Reinforcing 13â€“93 bioglass scaffolds fabricated by robocasting and pressureless spark plasma sintering with graphene oxide.. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 97, 108-116. | 1.5 | 15 |
| 30 | Fabricating toughened super-hard B4C composites at lower temperature by transient liquid-phase assisted spark plasma sintering with MoSi2 additives. Journal of the European Ceramic Society, 2019, 39, 2862-2873. | 2.8 | 41 |
| 31 | Microstructural development during heat treatment of a commercially available dental-grade lithium disilicate glass-ceramic. Dental Materials, 2019, 35, 697-708. | 1.6 | 17 |
| 32 | Mechanical activation enhanced solid-state synthesis of NaCrO2 cathode material. Materialia, 2019, 5, 100172. | 1.3 | 8 |
| 33 | High-temperature compressive creep of novel fine-grained orthorhombic ZrO 2 ceramics stabilized with 12â€mol% Ta doping. Journal of the European Ceramic Society, 2018, 38, 2445-2448. | 2.8 | 5 |
| 34 | Processing and electrical conductivity of non-stoichiometric lanthanum strontium manganite perovskites prepared from powders synthesized by a polymerizable-complexation route. Ceramics International, 2018, 44, 13389-13395. | 2.3 | 6 |
| 35 | Fabricating eco-friendly nanocomposites of SiC with morphologically-different nano-carbonaceous phases. Journal of the European Ceramic Society, 2018, 38, 3735-3741. | 2.8 | 3 |
| 36 | Structural-microstructural characterization and optical properties of Eu3+,Tb3+-codoped LaPO4Â·nH2O and LaPO4 nanorods hydrothermally synthesized with microwaves. Ceramics International, 2018, 44, 11993-12001. | 2.3 | 14 |

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| 37 | Some crystallographic considerations on the novel orthorhombic ZrO 2 stabilized with Ta doping. Ceramics International, 2018, 44, 10362-10366. | 2.3 | 6 |
| 38 | Sliding-wear resistance of pure near fully-dense B4C under lubrication with water, diesel fuel, and paraffin oil. Journal of the European Ceramic Society, 2018, 38, 1158-1163. | 2.8 | 16 |
| 39 | Fabricating geometrically-complex B4C ceramic components by robocasting and pressureless spark plasma sintering. Scripta Materialia, 2018, 145, 14-18. | 2.6 | 50 |
| 40 | An interplay between electronic and structural effects on the photoluminescence decay mechanisms in LaPO<sub>4</sub>Â·nH<sub>2</sub>O:Tb<sup>3+</sup> and LaPO<sub>4</sub>:Tb<sup>3+</sup> single-crystal nanorods. Journal of Materials Chemistry C, 2018, 6, 12643-12651. | 2.7 | 4 |
| 41 | Evaluating nanocrystallite size distributions in doped and undoped nanocrystalline ceramics by X-ray diffractometry. Ceramics International, 2018, 44, 22365-22369. | 2.3 | 2 |
| 42 | Reinforcement with reduced graphene oxide of bioactive glass scaffolds fabricated by robocasting. Journal of the European Ceramic Society, 2017, 37, 3695-3704. | 2.8 | 22 |
| 43 | Liquid-phase assisted spark-plasma sintering of SiC nanoceramics and their nanocomposites with carbon nanotubes. Journal of the European Ceramic Society, 2017, 37, 1929-1936. | 2.8 | 31 |
| 44 | Ceramics of Ta-doping stabilized orthorhombic ZrO2 densified by spark plasma sintering and the effect of post-annealing in air. Scripta Materialia, 2017, 130, 128-132. | 2.6 | 14 |
| 45 | Comminution of B4C powders with a high-energy mill operated in air in dry or wet conditions and its effect on their spark-plasma sinterability. Journal of the European Ceramic Society, 2017, 37, 3873-3884. | 2.8 | 27 |
| 46 | Structuralâ€Defectâ€Controlled Electrochemical Performance of Sodium Ion Batteries with NaCrO<sub>2</sub> Cathodes. ChemElectroChem, 2017, 4, 3222-3230. | 1.7 | 15 |
| 47 | Near-net shape manufacture of B4Câ€“Co and ZrCâ€“Co composites by slip casting and pressureless sintering. Journal of the European Ceramic Society, 2017, 37, 4577-4584. | 2.8 | 30 |
| 48 | Liquid-phase assisted flash sintering of SiC from powder mixtures prepared by aqueous colloidal processing. Journal of the European Ceramic Society, 2017, 37, 485-498. | 2.8 | 34 |
| 49 | Effect of Tb3+ doping and self-generated pressure on the crystallographic/morphological features and thermal stability of LaPO4Â·nH2O single-crystal nanorods obtained by microwave-assisted hydrothermal synthesis. Ceramics International, 2016, 42, 18074-18086. | 2.3 | 7 |
| 50 | Microstructural effects on the sliding-wear resistance of ZrCâ€“MoSi 2 triboceramics fabricated by spark-plasma sintering. Journal of the European Ceramic Society, 2016, 36, 3091-3097. | 2.8 | 15 |
| 51 | Enhancing the sliding-wear resistance of SiC nanostructured ceramics by adding carbon nanotubes. Journal of the European Ceramic Society, 2016, 36, 3083-3089. | 2.8 | 36 |
| 52 | Enhancing the spark-plasma sinterability of B4C nanopowders via room-temperature methylation induced purification. Journal of the European Ceramic Society, 2016, 36, 2843-2848. | 2.8 | 23 |
| 53 | Aqueous colloidal processing of near-net shape B 4 Câ€“Ni cermet compacts. Journal of the European Ceramic Society, 2016, 36, 1915-1921. | 2.8 | 17 |
| 54 | Calcia-magnesia-alumino-silicate (CMAS)-induced degradation and failure of air plasma sprayed yttria-stabilized zirconia thermal barrier coatings. Acta Materialia, 2016, 105, 355-366. | 3.8 | 181 |

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| 55 | Densification of B4C nanopowder with nanograin retention by spark-plasma sintering. Journal of the European Ceramic Society, 2015, 35, 1991-1998. | 2.8 | 48 |
| 56 | Contact-mechanical properties at intermediate temperatures of ZrB2 ultra-high-temperature ceramics pressureless sintered with Mo, Ta, or Zr disilicides. Journal of the European Ceramic Society, 2015, 35, 3179-3185. | 2.8 | 22 |
| 57 | Aqueous colloidal processing of nano-SiC and its nano-Y3Al5O12 liquid-phase sintering additives with carbon nanotubes. Journal of the European Ceramic Society, 2015, 35, 3363-3368. | 2.8 | 25 |
| 58 | Effect of processing conditions on the sliding-wear resistance of ZrC triboceramics fabricated by spark-plasma sintering. Ceramics International, 2015, 41, 15278-15282. | 2.3 | 20 |
| 59 | Tribological behavior of ionic liquid-based magnetorheological fluids in steel and polymeric point contacts. Tribology International, 2015, 81, 309-320. | 3.0 | 39 |
| 60 | 2ZrO<sub>2</sub>Â·Y<sub>2</sub>O<sub>3</sub> Thermal Barrier Coatings Resistant to Degradation by Molten <scp>CMAS</scp>: Part I, Optical Basicity Considerations and Processing. Journal of the American Ceramic Society, 2014, 97, 3943-3949. | 1.9 | 111 |
| 61 | Microwaveâ€assisted Hydrothermal Synthesis of Singleâ€crystal Nanorods of Rhabdophaneâ€type <scp><scp>Sr</scp></scp>â€doped <scp><scp>LaPO</scp></scp><sub>4</sub>Â·n<scp><scp>H<sub>2</sub>O</scp></scp>. Journal of the American Ceramic Society, 2014, 97, 750-758. | 1.9 | 11 |
| 62 | Contact-mechanical properties at pre-creep temperatures of fine-grained graphene/SiC composites prepared in situ by spark-plasma sintering. Journal of the European Ceramic Society, 2014, 34, 1433-1438. | 2.8 | 25 |
| 63 | Synthesis and photocatalytic activity of Eu3+-doped nanoparticulate TiO2 sols and thermal stability of the resulting xerogels. Materials Chemistry and Physics, 2014, 144, 8-16. | 2.0 | 25 |
| 64 | Effect of graphite addition on the spark-plasma sinterability of ZrB2 and ZrB2â€“SiC ultra-high-temperature ceramics. Ceramics International, 2014, 40, 11457-11464. | 2.3 | 17 |
| 65 | CMAS-Resistant Plasma Sprayed Thermal Barrier Coatings Based on Y2O3-Stabilized ZrO2 with Al3+ and Ti4+ Solute Additions. Journal of Thermal Spray Technology, 2014, 23, 708-715. | 1.6 | 23 |
| 66 | Influence of the synthesis process on the features of Y2O3-stabilized ZrO2 powders obtained by the solâ€“gel method. Ceramics International, 2014, 40, 6421-6426. | 2.3 | 22 |
| 67 | Improving the sliding wear resistance of SiC nanoceramics fabricated by spark plasma sintering via gentle post-sintering annealing. Scripta Materialia, 2014, 77, 9-12. | 2.6 | 14 |
| 68 | Additive-free superhard B4C with ultrafine-grained dense microstructures. Journal of the European Ceramic Society, 2014, 34, 841-848. | 2.8 | 71 |
| 69 | Rare earth-doped TiO2 nanocrystalline thin films: Preparation and thermal stability. Journal of the European Ceramic Society, 2014, 34, 4457-4462. | 2.8 | 21 |
| 70 | A comparative study of the pressureless sinterability of 3 mol% Y 2 O 3 -stabilized ZrO 2 powders prepared by the solâ€“gel method under different synthesis conditions without modifiers. Ceramics International, 2014, 40, 16829-16834. | 2.3 | 6 |
| 71 | Effect of hexagonal-BN additions on the sliding-wear resistance of fine-grained Î±-SiC densified with Y3Al5O12 liquid phase by spark-plasma sintering. Journal of the European Ceramic Society, 2014, 34, 565-574. | 2.8 | 26 |
| 72 | A comparative study of the tribological performance of ferrofluids and magnetorheological fluids within steelâ€“steel point contacts. Tribology International, 2014, 78, 125-133. | 3.0 | 43 |

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| 73 | Sliding-wear resistance of liquid-phase-sintered SiC containing graphite nanodispersoids. Journal of the European Ceramic Society, 2014, 34, 2597-2602. | 2.8 | 31 |
| 74 | Carbon nanotubes prevent the coagulation at high shear rates of aqueous suspensions of equiaxed ceramic nanoparticles. Journal of the European Ceramic Society, 2014, 34, 555-563. | 2.8 | 12 |
| 75 | Effect of Er3+ doping on the thermal stability of TiO2 nanoparticulate xerogels. Journal of Nanoparticle Research, 2013, 15, 1. | 0.8 | 15 |
| 76 | Aqueous colloidal processing of submicrometric SiC plus Y3Al5O12 with diamond nanoparticles. Journal of the European Ceramic Society, 2013, 33, 2473-2482. | 2.8 | 15 |
| 77 | Room temperature â€œone-potâ€•solution synthesis of nanoscale CsSnI3 orthorhombic perovskite thin films and particles. Materials Letters, 2013, 110, 127-129. | 1.3 | 58 |
| 78 | On the enhancement of the spark-plasma sintering kinetics of ZrB2â€“SiC powder mixtures subjected to high-energy co-ball-milling. Ceramics International, 2013, 39, 4191-4204. | 2.3 | 33 |
| 79 | Sliding-wear resistance of ultrafine-grained SiC densified by spark plasma sintering with 3Y2O3+5Al2O3 or Y3Al5O12 additives. Scripta Materialia, 2013, 69, 598-601. | 2.6 | 29 |
| 80 | Spark-plasma-sintering kinetics of ZrCâ€“SiC powder mixtures subjected to high-energy co-ball-milling. Ceramics International, 2013, 39, 9691-9697. | 2.3 | 19 |
| 81 | Toughening of super-hard ultra-fine grained B4C densified by spark-plasma sintering via SiC addition. Journal of the European Ceramic Society, 2013, 33, 1395-1401. | 2.8 | 110 |
| 82 | The prolific polytypism of silicon carbide. Journal of Applied Crystallography, 2013, 46, 242-247. | 1.9 | 29 |
| 83 | Aqueous colloidal processing of SiC with Y3Al5O12 liquid-phase sintering additives. Journal of the European Ceramic Society, 2013, 33, 1685-1694. | 2.8 | 22 |
| 84 | Microstructural effects on the sliding-wear resistance of pressureless liquid-phase-sintered SiC under diesel fuel. Journal of the European Ceramic Society, 2013, 33, 879-885. | 2.8 | 17 |
| 85 | Microstructural evolution and contact-mechanical properties of SiC ceramics prepared colloidally with low additive content. Ceramics International, 2012, 38, 5979-5986. | 2.3 | 19 |
| 86 | In situ formation of ZrB2â€“ZrO2 ultra-high-temperature ceramic composites from high-energy ball-milled ZrB2 powders. Journal of Alloys and Compounds, 2012, 518, 38-43. | 2.8 | 25 |
| 87 | Composition effects of thermal barrier coating ceramics on their interaction with molten Caâ€“Mgâ€“Alâ€“silicate (CMAS) glass. Acta Materialia, 2012, 60, 5437-5447. | 3.8 | 208 |
| 88 | Study of the Contributions of Nonâ€Specific and Specific Interactions during Fluoxetine Adsorption onto Activated Carbons. Clean - Soil, Air, Water, 2012, 40, 698-705. | 0.7 | 11 |
| 89 | A line-broadening analysis model for the microstructural characterization of nanocrystalline materials from asymmetric x-ray diffraction peaks. Journal of Physics Condensed Matter, 2012, 24, 215301. | 0.7 | 2 |
| 90 | Improvement of the Sparkâ€Plasmaâ€Sintering Kinetics of <scp><scp>ZrC</scp></scp> by Highâ€Energy Ballâ€Milling. Journal of the American Ceramic Society, 2012, 95, 453-456. | 1.9 | 31 |

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| 91 | Densification of additive-free polycrystalline Î²-SiC by spark-plasma sintering. Ceramics International, 2012, 38, 45-53. | 2.3 | 68 |
| 92 | A study of the oxidation of ZrB2 powders during high-energy ball-milling in air. Ceramics International, 2012, 38, 2857-2863. | 2.3 | 34 |
| 93 | Effects of composition and crystallite size on the accuracy of the Rietveld method in determining lattice parameters of polytypes in multiphase SiC ceramics. Ceramics International, 2012, 38, 4285-4293. | 2.3 | 3 |
| 94 | Crystal-size dependence of the spark-plasma-sintering kinetics of ZrB2 ultra-high-temperature ceramics. Journal of the European Ceramic Society, 2012, 32, 271-276. | 2.8 | 68 |
| 95 | Effect of intergranular phase chemistry on the sliding-wear resistance of pressureless liquid-phase-sintered Î±-SiC. Journal of the European Ceramic Society, 2012, 32, 511-516. | 2.8 | 46 |
| 96 | A route for the pressureless liquid-phase sintering of SiC with low additive content for improved sliding-wear resistance. Journal of the European Ceramic Society, 2012, 32, 965-973. | 2.8 | 68 |
| 97 | Spark-plasma sintering of ZrB2 ultra-high-temperature ceramics at lower temperature via nanoscale crystal refinement. Journal of the European Ceramic Society, 2012, 32, 2529-2536. | 2.8 | 58 |
| 98 | Microstructural effects on the sliding wear of transparent magnesium-aluminate spinel. Journal of the European Ceramic Society, 2012, 32, 3143-3149. | 2.8 | 27 |
| 99 | Effect of the sintering additive content on the protective passive oxidation behaviour of pressureless liquid-phase-sintered SiC. Journal of the European Ceramic Society, 2012, 32, 3531-3536. | 2.8 | 17 |
| 100 | Anomalous oxidation behaviour of pressureless liquid-phase-sintered SiC. Journal of the European Ceramic Society, 2011, 31, 2393-2400. | 2.8 | 39 |
| 101 | On the crystallite size refinement of ZrB2 by high-energy ball-milling in the presence of SiC. Journal of the European Ceramic Society, 2011, 31, 2407-2414. | 2.8 | 33 |
| 102 | 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. Inorganica Chimica Acta, 2011, 365, 282-289. | 1.2 | 7 |
| 103 | Effect of MoSi2 content on the lubricated sliding-wear resistance of ZrCâ€“MoSi2 composites. Journal of the European Ceramic Society, 2011, 31, 877-882. | 2.8 | 24 |
| 104 | Synthesis and structural characterization of two bond isomer copper(II) complexes via molecular modeling coupled with X-ray powder diffractometry. Polyhedron, 2011, 30, 1157-1162. | 1.0 | 6 |
| 105 | Effect of type of solvent alcohol and its molar proportion on the drying critical thickness of ZrO2â€“3mol% Y2O3 films prepared by the solâ€“gel method. Surface and Coatings Technology, 2011, 205, 3540-3545. | 2.2 | 14 |
| 106 | Air-plasma-sprayed thermal barrier coatings that are resistant to high-temperature attack by glassy deposits. Acta Materialia, 2010, 58, 6835-6844. | 3.8 | 163 |
| 107 | Clarifying the effect of sintering conditions on the microstructure and mechanical properties of Î²-tricalcium phosphate. Ceramics International, 2010, 36, 1929-1935. | 2.3 | 72 |
| 108 | Experimental study of the microstructure and stress state of shot peened and surface mechanical attrition treated nickel alloys. Scripta Materialia, 2010, 62, 129-132. | 2.6 | 63 |

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| 109 | Effect of Ar or N2 sintering atmosphere on the high-temperature oxidation behaviour of pressureless liquid-phase-sintered Î±-SiC in air. Journal of the European Ceramic Society, 2010, 30, 119-128. | 2.8 | 16 |
| 110 | Effect of the sintering additive content on the non-protective oxidation behaviour of pressureless liquid-phase-sintered Î±-SiC in air. Journal of the European Ceramic Society, 2010, 30, 1513-1518. | 2.8 | 22 |
| 111 | Oxidation behaviour of pressureless liquid-phase-sintered Î±-SiC with additions of 5Al2O3+3RE2O3 (RE=La, Nd, Y, Er, Tm, or Yb). Journal of the European Ceramic Society, 2010, 30, 3209-3217. | 2.8 | 55 |
| 112 | A direct comparison in the fatigue resistance enhanced by surface severe plastic deformation and shot peening in a C-2000 superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 986-994. | 2.6 | 64 |
| 113 | Effect of N2 sintering atmosphere on the hardness of solâ€“gel films of 3mol% Y2O3-stabilized ZrO2. Thin Solid Films, 2010, 518, 2779-2782. | 0.8 | 9 |
| 114 | Effect of sintering temperature on the microstructure and mechanical properties of ZrO2-3mol%Y2O3 solâ€“gel films. Ceramics International, 2010, 36, 2281-2286. | 2.3 | 31 |
| 115 | Hertzian Indentation of a ZrB<sub>2</sub>â€“30% SiC Ultraâ€Highâ€Temperature Ceramic up to 800Â°C in Air. Journal of the American Ceramic Society, 2010, 93, 1848-1851. | 1.9 | 9 |
| 116 | Highâ€Energy Ball Milling of ZrB<sub>2</sub> in the Presence of Graphite. Journal of the American Ceramic Society, 2010, 93, 3072-3075. | 1.9 | 26 |
| 117 | Discriminating between two chiral diastereoisomeric 7-oxanitronorbornenes by conventional X-ray powder diffractometry. Zeitschrift FÃ¼r Kristallographie, 2010, 225, . | 1.1 | 3 |
| 118 | Effect of calcination temperature on the textural properties of 3mol% yttria-stabilized zirconia powders. Journal of Non-Crystalline Solids, 2010, 356, 175-178. | 1.5 | 15 |
| 119 | An analytical model for the determination of crystallite size andÂcrystal lattice microstrain distributions in nanocrystalline materials from the variance of the X-ray diffraction peaks. Applied Physics A: Materials Science and Processing, 2009, 94, 189. | 1.1 | 6 |
| 120 | Crystallite Size Refinement of ZrB<sub>2</sub>by Highâ€Energy Ball Milling. Journal of the American Ceramic Society, 2009, 92, 3114-3117. | 1.9 | 44 |
| 121 | Porosity Development in Activated Carbons Prepared from Walnut Shells by Carbon Dioxide or Steam Activation. Industrial & Engineering Chemistry Research, 2009, 48, 7474-7481. | 1.8 | 102 |
| 122 | Crystal structure of [NBu4]2[Pd2{C4(COOMe)4}2(Î¼-OH)2] determined ab initio by charge flipping. Journal of Alloys and Compounds, 2009, 467, 322-326. | 2.8 | 7 |
| 123 | Evaluation of the phase composition of (NH4)2SO4+(NH4)H2PO4 mixtures by X-ray diffractometry. Journal of Alloys and Compounds, 2009, 475, 686-692. | 2.8 | 1 |
| 124 | Tensile properties of a nickel-base alloy subjected to surface severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 493, 176-183. | 2.6 | 37 |
| 125 | A Family of Hydrogels Based on Ureidoâ€Linked Aminopolyolâ€Derived Amphiphiles and Bolaamphiphiles: Synthesis, Gelation under Thermal and Sonochemical Stimuli, and Mesomorphic Characterization. Chemistry - A European Journal, 2008, 14, 5656-5669. | 1.7 | 35 |
| 126 | Interrogation of the microstructure and residual stress of a nickel-base alloy subjected to surface severe plastic deformation. Acta Materialia, 2008, 56, 413-426. | 3.8 | 81 |

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| 127 | Influence of preparation conditions in the textural and chemical properties of activated carbons from a novel biomass precursor: The coffee endocarp. Bioresource Technology, 2008, 99, 7224-7231. | 4.8 | 99 |
| 128 | Textural and morphological study of activated carbon fibers prepared from kenaf. Microporous and Mesoporous Materials, 2008, 111, 523-529. | 2.2 | 30 |
| 129 | Hallâ€"Petch relationship in a nanotwinned nickel alloy. Scripta Materialia, 2008, 58, 951-954. | 2.6 | 63 |
| 130 | Crystallite sizes of LiH before and after ball milling and thermal exposure. Journal of Alloys and Compounds, 2008, 454, 297-305. | 2.8 | 24 |
| 131 | Unexpected Reactions: From (2S,3R)-2-(endo-d-Galacto-pentaacetoxypentyl)-1,4-dimethyl-3-exo-nitro-7-oxabicyclo[2.2.1]hept-5-ene to Chiral Cyclic Ethers. Synlett, 2008, 2008, 687-690. | 1.0 | 0 |
| 132 | Oxidation behavior of pressureless liquid-phase-sintered Î±-SiC in ambient air at elevated temperatures. Journal of Materials Research, 2008, 23, 1689-1700. | 1.2 | 13 |
| 133 | Determination of the thermal stability and isothermal bulk modulus of the ZrO2 polymorphs at room temperature by molecular dynamics with a semi-empirical quantum-chemical model. Ceramics International, 2007, 33, 705-709. | 2.3 | 21 |
| 134 | Effect of liquid-phase content on the contact-mechanical properties of liquid-phase-sintered Î±-SiC. Journal of the European Ceramic Society, 2007, 27, 2521-2527. | 2.8 | 44 |
| 135 | Complex impedance spectroscopy study of a liquid-phase-sintered Î±-SiC ceramic. Journal of the European Ceramic Society, 2007, 27, 3935-3939. | 2.8 | 20 |
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