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Journal articles indexed in SCI, SSCI, and AHCI

- I. **Tailoring the properties of spark plasma sintered SiAlON containing graphene nanoplatelets by using different exfoliation and size reduction techniques: Anisotropic electrical properties**
BAŞKUT S., Cinar A., SEYHAN A. T., TURAN S.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.38, no.11, pp.3787-3792, 2018 (SCI-Expanded)
- II. **Structural insights on understanding the cubic phase stabilization mechanism of sol-gel synthesized $\text{Li}_{7-3x}\text{Al}_x\text{La}_3\text{Zr}_{20}\text{O}_{12}$ ($x=0-0.4$) - The effect of ZrOCl_2 and $\text{ZrO}(\text{NO}_3)_2$**
DERMENÇİ K. B., TURAN S.
CERAMICS INTERNATIONAL, vol.44, no.10, pp.11852-11857, 2018 (SCI-Expanded)
- III. **Polarized emission from CsPbBr_3 nanowire embedded-electrospun PU fibers**
Guner T., Topcu G., SAVACI U., GENÇ A., TURAN S., Sari E., Demir M. M.
NANOTECHNOLOGY, vol.29, no.13, 2018 (SCI-Expanded)
- IV. **Tailoring the properties of spark plasma sintered SiAlON containing graphene nanoplatelets by using different exfoliation and size reduction techniques: Anisotropic mechanical and thermal properties**
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- V. **Processing of in-situ SiC reinforced AlN based composites**
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JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.19, no.2, pp.119-125, 2018 (SCI-Expanded)
- VI. **Creep and recovery behaviors of chemically induced grafted low density polyethylene films containing silanized hexagonal boron nitride nanosheets**
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- VII. **Carbothermic reduction synthesis of calcium hexaboride using PVA-calcium hexaborate mixed gels**
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- VIII. **Effect of SiC addition on the thermal diffusivity of SiAlON ceramics**
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CERAMICS INTERNATIONAL, vol.43, no.16, pp.13469-13474, 2017 (SCI-Expanded)
- IX. **Effect of calcination on the production of sintered MgAl_2O_4 by using different local waste Al_2O_3 powders**
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JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.53, no.2, pp.975-983, 2017 (SCI-Expanded)
- X. **Directional properties and microstructures of spark plasma sintered aluminum nitride containing graphene platelets**
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- XI. **An alternative composite approach to tailor the thermoelectric performance in SiAlON and SiC**

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- XII. **Wear behavior of solid SiAlON milling tools during high speed milling of Inconel 718**
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- XIV. **Influence of the growth conditions on the optical and structural properties of self-assembled InAs/GaAs quantum dots for low As/In ratio**
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- XV. **Al stabilized Li7La3Zr2012 solid electrolytes for all-solid state Li-ion batteries**
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- XVI. **First-principles investigation of titanium doping into β -SiAlON crystal in TiN-SiAlON composites for EDM applications**
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- XVII. **Analytical transmission electron microscopy observations on the stability of TiCN in electrically conductive alpha-beta SiAlON/TiCN composites**
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- XIX. **Synthesis of Phosphorus Included Multiwalled Carbon Nanotubes by Pyrolysis of Sucrose**
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- XX. **Microstructural evolution of mechanically alloyed and spark plasma sintered Ni-W alloy matrix composites**
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- XXI. **Identification and quantification of reaction phases at Si3N4-Ti interfaces by using analytical transmission electron microscopy techniques**
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- XXVI. **Identification of Ti incorporation into beta-SiAlON crystal structure through transmission electron microscopy techniques**
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- XXVII. **Special Issue: SiAlONs and Non-Oxide Ceramics Preface**
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- XXVIII. **Nanoscope characterization of two-dimensional (2D) boron nitride nanosheets (BNNSs) produced by microfluidization**
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- XXIX. **Synthesis of Fe-Mn black pigments by using hematite waste and manganese ore mixtures**
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- XXX. **The mechanism for the colour change of iron chromium black pigments in glazes through transmission electron microscopy techniques**
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- XXXI. **Towards atomic scale engineering of rare-earth-doped SiAlON ceramics through aberration-corrected scanning transmission electron microscopy**
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- XXXIV. **An experimental and theoretical examination of the effect of sulfur on the pyrolytically grown carbon nanotubes from sucrose-based solid state precursors**
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- I. **Chemical durability behaviour of bulk glasses in the SrO-Mn₂O₃-Fe₂O₃-MgO-ZrO₂-SiO₂ (SMFMZS) system**

KARASU B., ARSLAN G., GÜNKAYA G., TURAN S.

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- I. **Development strategies for sialon ceramics**

KARA F., MANDAL H., TURAN S., KARA A., Acikbas N. C.

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