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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Sakarya University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey

2014 - Continues

Postgraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey

2010 - 2013

Undergraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey

2004 - 2010

Dissertations

Postgraduate, Alüminyum titanat/spinel seramik kompozitlerin üretilmesi ve karakterizasyonu, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2013

Research Areas

Metallurgical and Materials Engineering, Ceramic Materials, Glass Technology and Glass Ceramics, Material Characterization, Powder Metallurgy, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2012 - Continues

Courses

SERAMİK LABORATUVARI, Undergraduate, 2017 - 2018, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

1. Crystallization behaviors and seal application of basalt based glass-ceramics

Ateş A., ÖNEN U., ERCENK E., YILMAZ Ş.

FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, 2017 (SCI-Expanded)

II. Development of machinable glass-ceramics produced from vermiculite

Onen U., Ercenk E., Yilmaz S.

Acta Physica Polonica A, vol.131, no.1, pp.168-170, 2017 (SCI-Expanded)

III. Microstructural characterization and thermal properties of aluminium titanate/talc ceramic matrix composites

Ozsoy E., Onen U., Boyraz T.

Acta Physica Polonica A, vol.127, no.4, pp.1136-1138, 2015 (SCI-Expanded)

IV. Microstructural characterization and thermal properties of aluminium titanate/porcelain ceramic matrix composites

Sacli M., Onen U., Boyraz T.

Acta Physica Polonica A, vol.127, no.4, pp.1133-1135, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. Vermikülit (Yıldızeli/ Sivas) İlavesinin Seramik Porselenin Özellikleri Üzerinde Etkisinin Araştırılması

TAPİK Ş., ÖNEN U., BOYRAZ T.

AKU J. Sci. Eng., no.19, pp.513-520, 2019 (Peer-Reviewed Journal)

II. RADIATION ATTENUATION PROPERTIES OF ALUMINUM TITANATE-SPINEL COMPOSITES FOR CO-60 GAMMA SOURCE

Görkem Ç., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.

Materials Methods and Technologies, no.13, pp.145-152, 2019 (Peer-Reviewed Journal)

III. Radiation Attenuation Properties Of Aluminum Titanate-Spinel, Composites For Co-60 Gamma Source

ÇEVİKBAŞ G., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.

Materials, Methods Technologies, no.13, pp.145-152, 2019 (Peer-Reviewed Journal)

IV. An investigation of aluminum titanate spinel composites behavior in radiation

ÇEVİKBAŞ G., TUĞRUL A. S. B., ÖNEN U., BOYRAZ T., BÜYÜK B.

AIP Conference Proceedings, vol.1653, pp.20029, 2015 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. Radiation Attenuation Properties Of Aluminum Titanate-Spinel Composites For Co-60 Gamma Source

Görkem Ç., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.

21st International Conference Materials, Methods Technologies, Burgas, Bulgaria, 1 - 05 July 2019, pp.145-152

II. EFFECT OF TiO₂ AND B₂O₃ ADDITION ON CRYSTALLIZATION BEHAVIOR OF K₂O-MgO-Fe₂O₃-Al₂O₃-SiO₂-F SYSTEM GLASS-CERAMICS

ÖNEN U., ERCENK E., YILMAZ Ş.

IV. Uluslararası Seramik, Cam, Emaye, Sır ve Boya Kongresi (SERES'xx18), Eskişehir, Turkey, 10 - 12 October 2018, pp.229-235

III. Crystallization Kinetics Of Vermiculite Glass

ÖNEN U., ERCENK E., YILMAZ Ş.

CEEC-TAC4, 28 - 31 August 2017

IV. Crystallization Kinetics Of Vermiculite Based Machinable Glass-Ceramics

ÖNEN U., ERCENK E., YILMAZ Ş.

CEEC-TAC4, 28 - 31 August 2017

V. Savunma Sanayinde Kullanılan Vermikülit Esaslı İşlenebilir Cam-Seramik Malzemeler

ÖNEN U., ERCENK E., YILMAZ Ş.

2. Uluslararası Savunma Sanayi Sempozyumu, 6 - 08 April 2017

- VI. **The effect of sintering temperature on machinability properties of vermiculite based glass ceramics**
ÖNEN U., ERCENK E., YILMAZ Ş.
IMMC 2016, 29 September - 01 October 2016
- VII. **THE INVESTIGATION FOR THE POSSIBILITIES OF CONSTRUCTION MATERIAL PRODUCTION FROM VERMICULITE**
ÖNEN U., ERCENK E., YILMAZ Ş.
IMMC 2016, 29 September - 01 October 2016
- VIII. **Development of Machinable Glass Ceramics Produced From Vermiculite**
ÖNEN U., ERCENK E., YILMAZ Ş.
APMAS 2016, İstanbul, Turkey, 1 - 03 June 2016
- IX. **Crystallization behaviors and seal application of basalt based glass ceramics**
ATEŞ A., ÖNEN U., ERCENK E., YILMAZ Ş.
APMAS 2016, İstanbul, Turkey, 1 - 03 June 2016
- X. **THE DEVELOPMENT OF MACHINABLE GLASS CERAMICS USED IN DEFENSE INDUSTRY**
ÖNEN U., ERCENK E., YILMAZ Ş.
1.Savunma Sanayi Sempozyumu [Uluslararası Katılımlı], Turkey, 9 - 10 April 2015
- XI. **An investigation of aluminum titanate-spinel composites behavior in radiation**
ÇEVİKBAŞ G., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.
4th International Congress in Advances in Applied Physics and Materials Science, APMAS 2014, 24 - 27 April 2014
- XII. **Microstructural Characterization and Thermal Properties of Aluminium Titanate/Porcelain Ceramic Matrix Composites**
SAÇLI M., ÖNEN U., BOYRAZ T.
4th International Congress on Advances in Applied Physics and Materials Science (APMAS2014), 24 - 27 April 2014
- XIII. **Microstructural Characterization and Thermal Properties of Aluminium Titanate/Talc Ceramic Matrix Composites**
ÖZSOY E., ÖNEN U., BOYRAZ T.
4th International Congress on Advances in Applied Physics and Materials Science (APMAS2014), 24 - 27 April 2014
- XIV. **An investigation of aluminum titanate-spinel composites behavior in radiation**
ÇEVİKBAŞ G., TUĞRUL A. B., ÖNEN U., BOYRAZ T., BÜYÜK B.
APMAS 2014, 24 - 27 April 2014
- XV. **Microstructural Characterization and Thermal Properties of Aluminium Titanate /Spinel Ceramic Matrix Composites**
ÖNEN U., BOYRAZ T.
3rd International Advances in Applied Physics and Material Science Congress (APMAS 2013), 24 - 28 April 2013

Supported Projects

ÖNEN U., Project Supported by Higher Education Institutions, ATIKLARDAN VE DOĞAL MALZEMELERDEN İŞLENEBİLİR CAM SERAMİK MALZEMELERİN ÜRETİM İMKÂNLARININ ARAŞTIRILMASI, 2015 - Continues

Önen U., Kurşun H., Boyraz T., Kurşun T., Erdoğan İ., Project Supported by Higher Education Institutions, Termik Santral Uçucu Küllerinin Seramik Üretiminde Kullanılabilirliğinin Araştırılması, 2017 - 2018

Scientific Refereeing

JOURNAL OF THE AMERICAN CERAMIC SOCIETY, SCI Journal, June 2018

JOURNAL OF THE AMERICAN CERAMIC SOCIETY, SCI Journal, March 2018

Metrics

Publication: 23

Citation (WoS): 18

Citation (Scopus): 27

H-Index (WoS): 3

H-Index (Scopus): 2

Awards

Önen U., Yayın Teşvik Ödülü, Ulakbim, September 2014