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International Researcher IDs

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Publons / Web Of Science ResearcherID: C-2288-2018

Yoksis Researcher ID: 7741

Education Information

Post Doctorate, University of Wisconsin-Madison, Health Sciences Center, Medical Physics Department, United States Of America 2009 - 2010

Doctorate, Cukurova University, Fen Bilimleri Enst, Fizik Anabilim Dalı, Turkey 1981 - 1984

Postgraduate, Cukurova University, Fen Bilimleri Enst, Fizik Anabilim Dalı, Turkey 1979 - 1981

Undergraduate, Middle East Technical University, Fen Edebiyat Fakültesi, Fizik, Turkey 1973 - 1979

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Fizyon izleriyle jeolojik kaynak belirleme çalışmaları ve Termoluminesans yöntemiyle kaynakların gruplanması, Cukurova University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 1984

Postgraduate, Nükleer Fizyon İzleri Tarihlendirme Yöntemi ve Obsidyenlere uygulanması, Cukurova University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 1981

Research Areas

Life Sciences, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Biophysics and Medical Physics, Materials Science, Nuclear physics, Radioactive decay and in-beam spectroscopy, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1997 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1991 - 1997

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1986 - 1991

Lecturer, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1984 - 1986
Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1979 - 1984
Other, Middle East Technical University, Fen Edebiyat Fakültesi, Fizik, 1976 - 1979

Academic and Administrative Experience

Cukurova University, Sağlık Bilimleri Enstitüsü, Medikal Fizik, 2011 - 2014
Cukurova University, Fen Edebiyat Fakültesi, Fizik, 2010 - 2013
Cukurova University, Fen Edebiyat Fakültesi, Fizik, 2010 - 2013
Cukurova University, Fen Edebiyat , Fizik, 2008 - 2009

Courses

Radyoloji Fiziği ve Radyasyon Dozimetresi II, Doctorate, 2013 - 2014
Medikal Fizik I, Undergraduate, 2013 - 2014
Medikal Fizik II, Undergraduate, 2013 - 2014
Physics I, Undergraduate, 2013 - 2014
Termolüminesans Dozimetresi II, Doctorate, 2013 - 2014
Physics II, Undergraduate, 2013 - 2014
Termolüminesans Dozimetresi I, Doctorate, 2013 - 2014
Radyasyon Fiziğinin Temelleri ve Radyasyon Dozimetrisi, Postgraduate, 2013 - 2014
Radyasyon Enstrümantasyon ve Ölçüm Laboratuvarı , Postgraduate, 2013 - 2014
Sağlık Fiziği I, Postgraduate, 2013 - 2014
Radyoloji Fiziği ve Radyasyon Dozimetresi I, Postgraduate, 2013 - 2014
Sağlık Fiziği II, Postgraduate, 2013 - 2014

Advising Theses

YEĞİNGİL Z., $Al_2O_3:C$, $CaF_2:Dy$, $CaSO_4:Dy$, and $LiF:Mg$ ait ışımaya eğrilerinin tepelerine ait tuzaklanma parametrelerinin farklı yöntemler kullanarak belirlenmesi, Postgraduate, S.Solak(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Luminescence properties of $SrB_6O_{10}:Ce,Gd$ phosphor for applications in OSL dosimetry and lighting**
Ozdemir A., ALTUNAL V., Guckan V., Kurt K., Kavgaci M., Takci K., Yigit O., Yegingil Z.
Journal of Luminescence, vol.273, 2024 (SCI-Expanded)
- II. **Luminescence properties of Ce and Be-doped $CaAl_2O_9$ for dosimetric and light-emitting applications**
ALTUNAL V., Ozdemir A., Kurt K., Yigit O., Guckan V., Isik B., Yegingil Z.
Journal of Alloys and Compounds, vol.985, 2024 (SCI-Expanded)
- III. **Fired shards from selected ancient Anatolian ceramics: a brief review of their mineralogical nature and pedological-microstructural evolution**
KAPUR S., Kadir S., Kelling G., AKÇA E., TOPAKSU M., SAKARYA N., YEĞİNGİL Z., EREN M., FITZPATRICK E. A.
Turkish Journal of Earth Sciences, vol.32, no.4, pp.555-576, 2023 (SCI-Expanded)
- IV. **TL and OSL characteristics of the fluoroperovskite $KMgF_3:Eu,Yb$, Li for dosimetry applications**
Guckan V., Altunal V., Polymeris G. S., Ozdemir A., Zhydachevskyy Y., Yegingil Z.
JOURNAL OF LUMINESCENCE, vol.251, 2022 (SCI-Expanded)
- V. **Development of $BeO:Na,Yb,Dy$ ceramics for optically stimulated luminescence dosimetry**

- Altunal V., Jain M., Hayat S., Guckan V., Yegingil Z.
RADIATION MEASUREMENTS, vol.158, 2022 (SCI-Expanded)
- VI. **Structural and thermoluminescence properties of borate mineral ulexite**
Altunal V., Mesto A., Guckan V., Kavgaci M., Ozdemir A., Abusaid W., Kurt K., Yegingil Z.
JOURNAL OF LUMINESCENCE, vol.251, 2022 (SCI-Expanded)
- VII. **Three newly developed BeO-based OSL dosimeters**
Altunal V., Guckan V., Ozdemir A., Zydhachevskyy Y., Lawrence Y., Yu Y., Yegingil Z.
JOURNAL OF LUMINESCENCE, vol.241, 2022 (SCI-Expanded)
- VIII. **Thermoluminescence dosimetry properties of Tm³⁺ doped fluoroelpasolite Cs₂NaYF₆ crystals synthesized under hydrothermal conditions**
Khaidukov N., Makhov V., Guckan V., Altunal V., Ozdemir A., Kurt K., Abusaid W., Yeğingil Z.
JOURNAL OF LUMINESCENCE, vol.239, 2021 (SCI-Expanded)
- IX. **NanoDot(TM) OSLDs in verifying radiotherapy dose calculations in the presence of metal implants: A Monte Carlo assisted research**
Ispir E. B., SARIGÜL N., YEĞİNGİL Z.
RADIATION PHYSICS AND CHEMISTRY, vol.187, 2021 (SCI-Expanded)
- X. **A systematic study on luminescence characterization of lanthanide-doped BeO ceramic dosimeters**
Altunal V., Guckan V., Ozdemir A., Ekicibil A., Karadağ F., Yegingil I., Zydhachevskyy Y., Yeğingil Z.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.876, 2021 (SCI-Expanded)
- XI. **Luminescence of Ce³⁺ and Li⁺ co-doped MgO synthesized using solid-state reaction method**
Guckan V., Bokhari S. W., Altunal V., Ozdemir A., Gao W., Yeğingil Z.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.503, pp.53-61, 2021 (SCI-Expanded)
- XII. **Use of infrared light-emitting diodes to determine dosimetric characteristics of MgO:Tb,Gd,Li via the optically stimulated luminescence technique**
Guckan V., Altunal V., Ozdemir A., Kurt K., Yeğingil Z.
JOURNAL OF LUMINESCENCE, vol.235, 2021 (SCI-Expanded)
- XIII. **Luminescence characteristics of newly-developed MgB₄O₇:Ce³⁺, Na⁺ phosphor as an OSL dosimeter**
Ozdemir A., Altunal V., Guckan V., Kurt K., Yeğingil Z.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.865, 2021 (SCI-Expanded)
- XIV. **A systematic study on luminescence characterization of lanthanide-doped BeO ceramic dosimeters**
Altunal V., Güçkan V., Özdemir A., Ekicibil A., Karadağ F., Yeğingil İ., Zydhachevskyy Y., Yeğingil Z.
Journal Of Alloys And Compounds, vol.876, pp.160105-160120, 2021 (SCI-Expanded)
- XV. **Thermoluminescence in MgB₄O₇:Pr,Dy dosimetry powder synthesized by solution combustion synthesis method**
Ozdemir A., Guckan V., Altunal V., Kurt K., Yegingil Z.
JOURNAL OF LUMINESCENCE, vol.230, 2021 (SCI-Expanded)
- XVI. **Cu, Li and K activated MgO: A metal oxide thermoluminescent synthesized using solution combustion technique for dosimetry**
Guckan V., Altunal V., Ozdemir A., Kurt K., Yegingil Z.
JOURNAL OF LUMINESCENCE, vol.230, 2021 (SCI-Expanded)
- XVII. **Provenance of the materials used to make some Late Hittite Monuments at the Karatepe-Aslantas and Domuztepe sites, Cilicia (southern Turkey)**
Kelling G., KADİR S., Kapur S., AKÇA E., YEĞİNGİL Z., EREN M.
ARCHAEOLOGICAL AND ANTHROPOLOGICAL SCIENCES, vol.12, no.12, 2020 (SCI-Expanded)
- XVIII. **Investigation of luminescence properties of BeO ceramics doped with metals for medical dosimetry**
Altunal V., Guckan V., Özdemir A. C., Kurt K., Ekicibil A., Yeğingil Z.
OPTICAL MATERIALS, vol.108, 2020 (SCI-Expanded)
- XIX. **A calcination study on BeO ceramics for radiation dosimetry**
ALTUNAL V., GUCKAN V., ÖZDEMİR A. C., YEĞİNGİL Z.

Materials Research Bulletin, vol.130, 2020 (SCI-Expanded)

- XX. **Optically stimulated luminescence of MgO:Na,Li phosphor prepared using solution combustion method**
Guckan V., ALTUNAL V., ÖZDEMİR A. C., YEĞİNGİL Z.
Journal of Alloys and Compounds, vol.835, 2020 (SCI-Expanded)
- XXI. **Investigation of luminescence properties of BeO ceramics doped with metals for medical dosimetry**
Altunal V., Güçkan V., Özdemir A., Kurt K., Ekicibil A., Yeğingil Z.
Optical Materials, vol.108, pp.110436, 2020 (SCI-Expanded)
- XXII. **Chronological and chemical approaches to obsidians from Bakla Tepe and Liman Tepe, Western Anatolia**
YEĞİNGİL Z., Oddone M., Bigazzi G., ERKANAL H., KOLANKAYA BOSTANCI N., ŞAHOĞLU V.
JOURNAL OF ARCHAEOLOGICAL SCIENCE-REPORTS, vol.32, 2020 (AHCI)
- XXIII. **A newly developed OSL dosimeter based on beryllium oxide: BeO:Na,Dy,Er**
ALTUNAL V., Guckan V., Yu Y., Dicker A., YEĞİNGİL Z.
Journal of Luminescence, vol.222, 2020 (SCI-Expanded)
- XXIV. **Calcination effects on europium doped zinc oxide as a luminescent material synthesized via sol-gel and precipitation methods**
Guckan V., Altunal V., Ozdemir A., Tsiunra V., Zhydachevskyy Y., Yegingil Z.
Journal of Alloys and Compounds, vol.823, 2020 (SCI-Expanded)
- XXV. **Radiation dosimeter utilizing optically stimulated luminescence of BeO:Na,Tb,Gd ceramics**
Altunal V., Guckan V., Ozdemir A., Yegingil Z.
Journal of Alloys and Compounds, vol.817, 2020 (SCI-Expanded)
- XXVI. **A practical method for quantifying dose in bone and lung using TLDs when using 6 and 15 MV photon beams**
SARIGÜL N., Surucu M., Reft C., Malin M., YEĞİNGİL Z., Aydogan B.
PHYSICS IN MEDICINE AND BIOLOGY, vol.65, no.5, 2020 (SCI-Expanded)
- XXVII. **Evaluation of thermoluminescence trapping parameters in Li2B4O7 co-doped with Ag+ and Gd3+ using various experimental techniques**
Ozdemir A., Polymeris G. S., Sahiner E., Aslar E., Guckan V., Altunal V., Meric N., Yegingil Z.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.461, pp.70-76, 2019 (SCI-Expanded)
- XXVIII. **Effects of metal implants and a metal artifact reduction tool on calculation accuracy of AAA and Acuros XB algorithms in small fields**
Akdeniz Y., Yegingil I., YEĞİNGİL Z.
MEDICAL PHYSICS, vol.46, no.11, pp.5326-5335, 2019 (SCI-Expanded)
- XXIX. **Luminescence characteristics of Al-and Ca-doped BeO obtained via a sol-gel method**
Altunal V., Guckan V., Ozdemir A., Can N., Yegingil Z.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.131, pp.230-242, 2019 (SCI-Expanded)
- XXX. **Studies of blue light induced phototransferred thermoluminescence in CaSO4:Mg**
Guckan V., Ozdemir A., Altunal V., Yegingil I., Yegingil Z.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.448, pp.31-38, 2019 (SCI-Expanded)
- XXXI. **Evaluation of an efficient calibration protocol for use in radiochromic film dosimetry for photon beams**
Akdeniz Y., YEĞİNGİL Z.
RADIATION PHYSICS AND CHEMISTRY, vol.156, pp.31-37, 2019 (SCI-Expanded)
- XXXII. **Effect of sintering temperature on dosimetric properties of BeO ceramic pellets synthesized using precipitation method**
ALTUNAL V., GUCKAN V., ÖZDEMİR A. C., SOTELO A., YEĞİNGİL Z.
Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.441, pp.46-55, 2019 (SCI-Expanded)

- XXXIII. **Optically stimulated luminescence characteristics of BeO nanoparticles synthesized by sol-gel method**
ALTUNAL V., YEĞİNGİL Z., TÜKEN T., Depci T., ÖZDEMİR A. C., GUCKAN V., Nur N., Kurt K., BULUR E.
RADIATION MEASUREMENTS, vol.118, pp.54-66, 2018 (SCI-Expanded)
- XXXIV. **Characterization and some fundamental features of Optically Stimulated Luminescence measurements of silver activated lithium tetraborate**
ÖZDEMİR A. C., ALTUNAL V., Guckan V., Can N., Kurt K., Yegingil I., YEĞİNGİL Z.
Journal of Luminescence, vol.202, pp.136-146, 2018 (SCI-Expanded)
- XXXV. **Study of the radioactivity in environmental soil samples from Eastern Anatolia Region of Turkey**
TURHAN Ş., Goren E., Ugur F. A., Karatasli M., YEĞİNGİL Z.
RADIOCHIMICA ACTA, vol.106, no.2, pp.161-168, 2018 (SCI-Expanded)
- XXXVI. **Thermoluminescence properties of Li₂B₄O₇:Cu, B phosphor synthesized using solution combustion technique**
ÖZDEMİR A. C., ALTUNAL V., Kurt K., Depci T., YU Y., LAWRENCE Y., Nur N., GUCKAN V., YEĞİNGİL Z.
RADIATION PHYSICS AND CHEMISTRY, vol.141, pp.352-362, 2017 (SCI-Expanded)
- XXXVII. **Environmental evaluation of natural radioactivity in soil near a lignite-burning power plant in Turkey**
GOREN E., Turhan S., Kurnaz A., Garad A. M. K., Duran C., Ugur F. A., YEĞİNGİL Z.
APPLIED RADIATION AND ISOTOPES, vol.129, pp.13-18, 2017 (SCI-Expanded)
- XXXVIII. **Studying CaSO₄:Eu as an OSL phosphor**
Güçkan V., Altunal V., Nur N., Depci T., ÖZDEMİR A., Kurt K., Yu Y., Yegingil I., YEĞİNGİL Z.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.407, pp.145-154, 2017 (SCI-Expanded)
- XXXIX. **Determination of tritium activity concentration in natural water samples**
KARATASLI M., Turhan S., Kurnaz A., VARINLIOĞLU A., GOREN E., YEĞİNGİL Z.
ENVIRONMENTAL FORENSICS, vol.18, no.2, pp.162-166, 2017 (SCI-Expanded)
- XL. **Thermoluminescence properties of annealed natural quartz after beta irradiation**
Yüksel M., Doğan T., Unsal E., Portakal Z. G., Akça S., Yeğingil Z., Topaksu M.
LUMINESCENCE, vol.31, no.8, pp.1513-1518, 2016 (SCI-Expanded)
- XLI. **Examination of general cavity theory for magnesium and titanium doped lithium fluoride (TLD-100) of varying thicknesses in bone and lung**
SARIGÜL N., Surucu M., Reft C., YEĞİNGİL Z., Aydogan B.
RADIATION MEASUREMENTS, vol.94, pp.1-7, 2016 (SCI-Expanded)
- XLII. **Thermoluminescence properties of non-stoichiometric Li₂Si₂O₅ synthesized from natural amethyst quartz**
Nur N., GUCKAN V., Kizilkaya N., Depci T., Ahmedova C., ÖZDEMİR A. C., ALTUNAL V., YEĞİNGİL Z.
JOURNAL OF LUMINESCENCE, vol.179, pp.366-371, 2016 (SCI-Expanded)
- XLIII. **Determination of dosimetric properties of MgO doped natural amethyst samples**
Nur N., GUCKAN V., Kizilkaya N., Depci T., Ahmedova C., YÜCEL A., ÖZDEMİR A. C., ALTUNAL V., Koc V., YEĞİNGİL Z.
APPLIED RADIATION AND ISOTOPES, vol.116, pp.150-156, 2016 (SCI-Expanded)
- XLIV. **Thermoluminescence study of Mn doped lithium tetraborate powder and pellet samples synthesized by solution combustion synthesis**
ÖZDEMİR A. C., YEĞİNGİL Z., Nur N., Kurt K., TÜKEN T., Depci T., TANSUĞ G., ALTUNAL V., GUCKAN V., SIĞIRCIK G., et al.
JOURNAL OF LUMINESCENCE, vol.173, pp.149-158, 2016 (SCI-Expanded)
- XLV. **Natural and fallout radioactivity levels and radiation hazard evaluation in soil samples**
KARATASLI M., Turhan S., VARINLIOĞLU A., YEĞİNGİL Z.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.5, 2016 (SCI-Expanded)
- XLVI. **Study of thermoluminescence response of purple to violet amethyst quartz from Balıkesir, Turkey**
Nur N., Yeğingil Z., Topaksu M., Kurt K., Doğan T., Sarigül N., Yüksel M., Altunal V., Özdemir A. C., Guckan V., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH

MATERIALS AND ATOMS, vol.358, pp.6-15, 2015 (SCI-Expanded)

- XLVII. **Optically stimulated luminescence dating of Holocene alluvial fans, East Anatolian Fault System, Turkey**
Doğan T., Çetin H., Yeğingil Z., Topaksu M., Yüksel M., Duygun F., Nur N., Yegingil I.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.170, pp.630-644, 2015 (SCI-Expanded)
- XLVIII. **Comparative study of the thermoluminescence properties of natural metamorphic quartz belonging to Turkey and Spain**
Topaksu M., Doğan T., Yüksel M., Kurt K., Topak Y., Yeğingil Z.
RADIATION PHYSICS AND CHEMISTRY, vol.96, pp.223-228, 2014 (SCI-Expanded)
- XLIX. **Investigation of the characteristics of thermoluminescence glow curves of natural hydrothermal quartz from Hakkari area in Turkey**
Topaksu M., Yüksel M., Doğan T., Nur N., Akkaya R., Yeğingil Z., Topak Y.
PHYSICA B-CONDENSED MATTER, vol.424, pp.27-31, 2013 (SCI-Expanded)
- L. **A survey of distribution of terrestrial radionuclides in surface soil samples in and around the Osmaniye province, Turkey**
Ugur F. A., Turhan S., GOREN E., GEZER F., YEĞİNGİL Z., Sahan H., Sahan M., Tel E., KARAHAN G.
RADIATION PROTECTION DOSIMETRY, vol.154, no.4, pp.483-489, 2013 (SCI-Expanded)
- LI. **Investigation of the activity level and radiological impacts of naturally occurring radionuclides in blast furnace slag**
Ugur F. A., Turhan S., Sahan H., Sahan M., GOREN E., GEZER F., YEĞİNGİL Z.
RADIATION PROTECTION DOSIMETRY, vol.153, no.4, pp.502-508, 2013 (SCI-Expanded)
- LII. **Effects of annealing and high radiation dose on the thermoluminescence characteristics of natural fluorite**
YEĞİNGİL Z., Nur N., DOĞAN T., Yazici N., Topaksu M.
RADIATION MEASUREMENTS, vol.47, no.10, pp.981-987, 2012 (SCI-Expanded)
- LIII. **PHOTON BEAM AUDITS FOR RADIATION THERAPY CLINICS: A PILOT MAILED DOSEMETER STUDY IN TURKEY**
YEĞİNGİL Z., DEWERD L. A., DAVIS S. D., HAMMER C., KUNUGI K.
RADIATION PROTECTION DOSIMETRY, vol.148, no.2, pp.249-257, 2012 (SCI-Expanded)
- LIV. **The effects of pre-irradiation heat treatment and heating rate on the thermoluminescence glow peaks of natural CaF₂**
Yüksel M., Topaksu M., Yazici A. N., Yeğingil Z., Dogan T.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.165, no.5, pp.396-402, 2010 (SCI-Expanded)
- LV. **The thermoluminescent properties of natural calcium fluoride for radiation dosimetry**
Tugay H., Yegingil Z., Dogan T., Nur N., Yazici N.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.267, pp.3640-3651, 2009 (SCI-Expanded)
- LVI. **Slow Senonian and fast Palaeocene-Early Eocene uplift of the granitoids in the Central Eastern Pontides, Turkey: apatite fission-track results**
BOZTUG D., JONCKHEERE R., WAGNER G., Yegingil Z.
TECTONOPHYSICS, vol.382, pp.213-228, 2004 (SCI-Expanded)
- LVII. **The analysis of dosimetric thermoluminescent glow peak of alpha-Al₂O₃ : C after different dose levels by beta-irradiation**
Yazici A., Solak S., Ozturk Z., Topaksu M., Yegingil Z.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.36, no.2, pp.181-191, 2003 (SCI-Expanded)
- LVIII. **The analysis of thermoluminescent glow peaks of CaF₂ : Dy (TLD-200) after beta-irradiation**
Yazici A., CHEN R., Solak S., Yegingil Z.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.35, no.20, pp.2526-2535, 2002 (SCI-Expanded)
- LIX. **Timing of neotectonic fracturing by fission track dating of obsidian in-filling faults in the Ikizdere-Rize area, NE Black Sea region, Turkey**
Yegingil Z., BOZTUG D., ER M., ODDONE M., BIGAZZI G.

TERRA NOVA, vol.14, no.3, pp.169-174, 2002 (SCI-Expanded)

- LX. **The fission-track analysis: An alternative technique for provenance studies of prehistoric obsidian artefacts**

BELLOT-GURLET L., BIGAZZI G., DORIGHEL O., ODDONE M., POUPEAU G., Yegingil Z.

RADIATION MEASUREMENTS, vol.31, pp.639-644, 1999 (SCI-Expanded)

- LXI. **Chemical characterisations of Anatolian obsidians by instrumental and epithermal neutron activation analysis**

ODDONE M., Yegingil Z., BIGAZZI G., ERCAN T., OZDOGAN M.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.224, pp.27-38, 1997 (SCI-Expanded)

- LXII. **APPLICATION OF FISSION-TRACK DATING TO ARCHAEOLOGY - PROVENANCE STUDIES OF PREHISTORIC OBSIDIAN ARTIFACTS**

BIGAZZI G., ERCAN T., ODDONE M., OZDOGAN M., YEGINGIL Z.

NUCLEAR TRACKS AND RADIATION MEASUREMENTS, vol.22, pp.757-762, 1993 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effect of Calcination Conditions on Luminescence Efficiency of BeO Ceramics Synthesized Using Co-Precipitation Method**

ALTUNAL V., Güçkan V., ÖZDEMİR A., YEĞİNGİL Z.

Journal of Investigations on Engineering Technology, vol.2, no.2, pp.40-44, 2019 (Peer-Reviewed Journal)

- II. **Structure Characterization and Luminescence Studies of MgO:Li Calcinated at Different Temperatures via Solution Combustion and Sol-Gel Methods**

Güçkan V., ALTUNAL V., ÖZDEMİR A., YEĞİNGİL Z.

Journal of Investigations on Engineering and Technology, vol.2, no.2, pp.45-48, 2019 (Peer-Reviewed Journal)

- III. **LiF:Mg,Ti (TD-100) TERMOLÜMİNESANS DOZİMETRESİNİN VE XR-QA2 RADYOKROMİK FİLM DOZİMETRESİNİN DOZİMETRİK ÖZELLİKLERİ**

GÜRLEK A. K., DOĞAN T., YEĞİNGİL Z.

Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, vol.28-2, pp.71-75, 2012 (Peer-Reviewed Journal)

- IV. **Age determination of obsidian bearing volcanics in eastern Anatolia using the fission track dating method**

Bigazzi G., YEĞİNGİL Z., ERCAN T., ODDONE M., ÖZDOĞAN M.

Geological Bulletin of Turkey, 1997 (Peer-Reviewed Journal)

- V. **Obsidian definition characteristics and distribution in Anatolia geochemical features of Central Anatolian obsidians**

Ercan T., YEĞİNGİL Z., Bigazzi G.

Jeomorfoloji Dergisi, 1989 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **KUBAD ABAD SARAYI ÇİNİLERİNİN BİLİŞİMİ VE TEKNOLOJİSİ**

Arık R., Arık M. O., YALÇIKLI D., KOÇYİĞİT O., ÇAYLAK TÜRKER A., UYSAL A. O., DÜNDAR M., BOZER R., ACIOĞLU Y., ÇEKEN M., et al.

in: Beyşehir Gölü Kıyısında Bir Selçuklu Sitesi: KUBAD ABAD, Yavaş Alptekin, Koçyiğit Oğuz, Editor, Konya Büyükşehir Belediyesi Kültür Yayınları, Konya, pp.431-437, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **A Study of BeO Luminophosphores Synthesized with Different Calcination Conditions**

ALTUNAL V., ÖZDEMİR A., Güçkan V., YEĞİNGİL Z.

6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019

II. Developing new MgO luminophors with different dopants for dosimetry applications and determination of ESR properties

Güçkan V., ALTUNAL V., ÖZDEMİR A., ERÜNAL E., YEĞİNGİL Z.

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IV. Recent developments of optically stimulated luminescence (OSL) dosimetry in medical use
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5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Amasya, Turkey, 2 - 04 May 2019

V. Blue light sensitivity of calcium sulfate doped with rare earth elements using luminescence technique

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VI. Development of Lithium Tetraborate (Li₂B₄O₇:Ag,Eu) Compound Doped with Silver (Ag) and Europium (Eu) as a Luminescence Dosimeter Using TL-OSL Technique

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