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International Researcher IDs

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Publons / Web Of Science ResearcherID: L-8797-2018

Yoksis Researcher ID: 22975

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1996 - 2004

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1992 - 1996

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Fizik, Turkey 1988 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kubad Abad?a (Konya) ait Selçuklu Seramik ve Çinilerinin Termolüminesans (TL) Tarihlendirilmesi, Yapısının Belirlenmesi ve Teknolojisinin Açıklanması, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2004

Postgraduate, Fizyon İzleri ve Minerallere Fizyon İzleri Yönteminin Uygulanması, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1996

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Nuclear physics, General Nuclear Reactions, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2014 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2014 - 2014

Associate Professor, Adiyaman University, Fen Edebiyat , Fizik, 2009 - 2014

Assistant Professor, Adiyaman University, Fen Edebiyat , Fizik, 2007 - 2009

Academic and Administrative Experience

Cukurova University, Fen Bilimleri Enstitüsü, 2017 - Continues
Cukurova University, Fen Edebiyat Fakültesi, Fizik, 2016 - Continues
Adiyaman University, Fen Edebiyat Fakültesi, Fizik, 2009 - 2014
Adiyaman University, Fen Edebiyat Fakültesi, Fizik, 2009 - 2014
Adiyaman University, 2010 - 2012

Advising Theses

Topaksu M., Neodimyum (Nd) ve seryum (Ce) katkılı kalsiyum florürün (CaF_2) termoluminesans (TL) özelliklerinin belirlenmesi, Postgraduate, H.YAZAN(Student), 2020
TOPAKSU M., Silisyumca Zengin Minerallerin Lüminesans Özelliklerinin Belirlenmesi (Devam Ediyor), Doctorate, S.BALCI(Student), 2016
TOPAKSU M., Yarı-deneysel nükleer reaksiyon tesir kesiti formüllerinin geliştirilmesi ve uygulamaları (Devam Ediyor), Doctorate, S.AKÇA(Student), 2016
TOPAKSU M., Dose calculations for HDR and/or LDR Brachytherapy sources using Monte Carlo simulation technique and comparison with that of dose measurements (Devam Ediyor), Doctorate, Z.Gizem(Student), 2016
TOPAKSU M., Samaryum ve Tulyum Katkılı Çinko Borat Fosforlarının Lüminesans Özelliklerinin İncelenmesi ve Termoluminesans Dozimetresi Olarak Kullanılabilirliğinin Araştırılması (Devam Ediyor), Doctorate, K.BULCAR(Student), 2016
TOPAKSU M., Titanitlerde Doğal Ve Yapay Fizyon İzlerinin Tavlanma Kinetikleri, Postgraduate, M.Mükerrem(Student), 2014
TOPAKSU M., $\text{Zn}_{1-(x+y)}\text{MnyGdxO}$ ($y = 0.01$; $x = 0.02, 0.03, 0.04$) Bileşiklerinin Yapısal Ve Manyetik Özelliklerinin Araştırılması, Postgraduate, K.BULCAR(Student), 2014
TOPAKSU M., Lantan Katkılı Çinko Boratların Kinetik Parametrelerinin Belirlenmesi Adiyaman Üniversitesi, Postgraduate, A.Halit(Student), 2014
TOPAKSU M., Doğal Kuvars Minerallerinin TL özellikleri ve Kinetik Parametrelerinin Belirlenmesi., Postgraduate, R.AKKAYA(Student), 2011
TOPAKSU M., Orta Anadolu fluoritlerinin (CaF_2) termoluminesans (TL) ışına tepelerine tavlamanın etkisi, Postgraduate, M.YÜKSEL(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Beta-irradiated $\text{ZnGa}_2\text{O}_4:\text{Sm}^{3+}$ phosphor: Thermoluminescence glow curves and kinetic parameters via gel combustion synthesis**
Barad A., TOPAKSU M., Hakami J., Kaynar U., AKÇA ÖZALP S., Altowyan A. S., Aydin H., Can N.
Journal of Alloys and Compounds, vol.1002, 2024 (SCI-Expanded)
- II. **Beta irradiation-induced thermoluminescence: Glow curve analysis and kinetic parameters in combustion-synthesized undoped $\text{Ca}_4\text{YO}(\text{BO}_3)_3$**
Madkhali A., Jabali D., Souadi G., Sonsuz M., Kaynar U., AKÇA ÖZALP S., Ayvacikli M., Madkhali O., TOPAKSU M., Can N.
Applied Radiation and Isotopes, vol.208, 2024 (SCI-Expanded)
- III. **Structural and temperature-dependent photoluminescence properties of $\text{NaBaBO}_3:\text{Ce}^{3+}, \text{Tb}^{3+}$ phosphors synthesized using the combustion method**
Altowyan A. S., Oglakci M., TOPAKSU M., Ozturk E., Hakami J., Coban M., Ozgur Keskin M., Ayvacikli M., Kaynar U., Canimoglu A., et al.
Advanced Powder Technology, vol.35, no.6, 2024 (SCI-Expanded)
- IV. **Radiation-induced thermoluminescence in $\text{Ca}_5(\text{PO}_4)_3\text{OH}$ powder from eggshell: Trapping parameter assessment**
Souadi G., Bulcar K., Yucel A., Oglakci M., SEZER S., Madkhali O., Depci T., Topaksu M., Can N.
Radiation Physics and Chemistry, vol.217, 2024 (SCI-Expanded)

- V. **Europium-doped strontium gadolinium oxide phosphor: Investigating structural and photoluminescence characteristics via sol-gel combustion synthesis**
Sarıkci S., TOPAKSU M., Ozturk E., Souadi G., Madkhali O., Madkhali A., Can N.
Applied Radiation and Isotopes, vol.205, 2024 (SCI-Expanded)
- VI. **Exploring beta irradiation responses in Sr²⁺-Doped hydroxyapatite: A thermoluminescence study**
Bulcar K., Oğlakçı M., Altowyan A. S., BİLĞİN R., Yucel A., Sezer S., Hakami J., Depci T., TOPAKSU M., Can N.
Ceramics International, 2024 (SCI-Expanded)
- VII. **Undoped and Eu doped LaCa₄O(BO₃)₃ phosphors: Thermoluminescence characteristics with a focus on kinetic parameters, anomalous heating rate, and dose response**
Bulcar K., PORTAKAL UÇAR Z. G., Zelai T., Souadi G., Hakami O., Kaynar U., Madkhali O., TOPAKSU M., Can N.
Ceramics International, 2024 (SCI-Expanded)
- VIII. **Thermoluminescence kinetics in beta-irradiated novel ZnGa₂O₄:Eu³⁺ phosphor produced via gel combustion synthesis**
Barad A., TOPAKSU M., Hakami J., Can N.
Ceramics International, 2024 (SCI-Expanded)
- IX. **Tb-doped MgAl₂O₄ phosphors: A study of structural and luminescence characteristics**
Halefoğlu Y. Z., Sauadi G., Ayvacıklı M., Bulcar K., Topaksu M., Canımoğlu A., Madkhali O., Karmouch R., Can N.
APPLIED RADIATION AND ISOTOPES, vol.203, pp.1-6, 2024 (SCI-Expanded)
- X. **Synthesis and thermoluminescence behavior of novel Sm³⁺ doped YCa₄O(BO₃)₃ under beta irradiation**
Altowyan A. S., Sonsuz M., Kaynar U., Hakami J., PORTAKAL UÇAR Z. G., Ayvacıklı M., TOPAKSU M., Can N.
Ceramics International, 2024 (SCI-Expanded)
- XI. **Palaeoseismological assessment for a seismic gap located very close to the epicentre of the 30 October 2020 Samos Earthquake (M_{6.9}), western Anatolia, Turkey**
Öncü U., Sözbilir H., Özkaymak Ç., Softa M., Sümer Ö., Eski S., Spencer J. Q. G., Şahiner E., Yüksel M., Meriç N., et al.
NATURAL HAZARDS, vol.120, pp.4699-4727, 2024 (SCI-Expanded)
- XII. **Assessment of structural and thermoluminescence characteristics of porcelain used as an electrical insulator**
Portakal Uçar Z. G., Akça Özalp S., Oğlakçı M., Barad A., Topaksu M.
AMERICAN CERAMIC SOCIETY, JOURNAL, vol.107, no.1, pp.640-658, 2024 (SCI-Expanded)
- XIII. **Thermoluminescence behavior of Ce³⁺ doped lanthanum tri-borate phosphor for dosimetry applications**
Oğlakçı M., Portakal Uçar Z. G., Akça Özalp S., Correcher V., Benavente J. F., Sonsuz M., Can N., Halefoğlu Y. Z., Topaksu M.
CERAMICS INTERNATIONAL, vol.49, no.22PB, pp.36092-36102, 2023 (SCI-Expanded)
- XIV. **Anomalous heating rate effect in GdAl₃(BO₃)₄:Dy³⁺ under beta radiation stimulation: Analysis of dose response and kinetic parameters**
Alajlani Y., Oğlakçı M., Bulcar K., Kaynar Ü. H., Portakal Uçar Z. G., Athlawi H., Ayvacıklı M., Topaksu M., Can N.
CERAMICS INTERNATIONAL, vol.49, no.24PA, pp.243-254, 2023 (SCI-Expanded)
- XV. **Unusual heating rates, dose responses and kinetic parameters detected on thermoluminescence from YAl₃(BO₃)₄:Sm³⁺ phosphors**
Altowyan A. S., Kaynar Ü. H., Bulcar K., Oğlakçı M., Portakal Uçar Z. G., Hakami J., Topaksu M., Can N.
CERAMICS INTERNATIONAL, vol.49, no.20, pp.33291-33304, 2023 (SCI-Expanded)
- XVI. **Unravelling the impact of unusual heating rate, dose-response and trap parameters on the thermoluminescence of Sm³⁺ activated GdAl₃(BO₃)₄ phosphors exposed to beta particle irradiation**
Souadi G., Kaynar Ü. H., Sonsuz M., Akça Özalp S., Ayvacıklı M., Topaksu M., Özmen Ö., Can N.
RADIATION PHYSICS AND CHEMISTRY, vol.213, pp.111211, 2023 (SCI-Expanded)
- XVII. **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)

- XVIII. **Anomalous dose behaviour of thermoluminescence glow curves and kinetic analysis of beta irradiated YAl₃(BO₃)₄:Tb phosphor**
Souadi G., Bulcar K., Kaynar U. H., Ayvacikli M., Topaksu M., Cam-Kaynar S., Can N.
APPLIED RADIATION AND ISOTOPES, vol.194, 2023 (SCI-Expanded)
- XIX. **Comparison of thermoluminescence characteristics of undoped and europium doped YAl₃(BO₃)₄ phosphor synthesized by combustion method: Anomalous heating rate, dose response and kinetic analyses**
Kaynar U. H., Oglakci M., Bulcar K., Benourdjia S., Bakr M., Ayvacikli M., Canimoglu A., Topaksu M., Can N.
RADIATION PHYSICS AND CHEMISTRY, vol.204, 2023 (SCI-Expanded)
- XX. **A thermoluminescence study of Tb³⁺ doped LaB₃O₆: Dosimetric characteristics and kinetic parameters**
Portakal-Ucar Z. G., Oglakci M., Correcher V., Sonsuz M., Can N., Halefoglul Y. Z., Topaksu M.
JOURNAL OF LUMINESCENCE, vol.253, 2023 (SCI-Expanded)
- XXI. **Thermoluminescence characteristics and kinetic analyses of europium doped strontium gadolinium oxide phosphor.**
Sarikci S., Topaksu M., Madkhali O., Can N.
Applied radiation and isotopes : including data, instrumentation and methods for use in agriculture, industry and medicine, vol.191, pp.110549, 2023 (SCI-Expanded)
- XXII. **Samarium doped Ca₃Y₂B₄O₁₂ phosphor prepared by combustion method: Anomalous heating rate effect, dosimetric features, and TL kinetic analyses**
Hakami J., Oglakci M., Portakal Ucar Z. G., Sonsuz M., Kaynar U. H., Ayvacikli M., Topaksu M., Can N.
JOURNAL OF LUMINESCENCE, vol.251, no.119200, pp.1-11, 2022 (SCI-Expanded)
- XXIII. **Synthesis and thermoluminescence study of Eu doped novel LaBO₃ phosphor: Heating rate, dose response, trapping parameters**
Sonsuz M., Topaksu M., Hakami J., Can N.
RADIATION PHYSICS AND CHEMISTRY, vol.201, 2022 (SCI-Expanded)
- XXIV. **Thermoluminescence characterization and kinetic parameters of Dy³⁺ activated Ca₃Y₂B₄O₁₂**
Hakami J., Sonsuz M., Kaynar U. H., Ayvacikli M., Oglakci M., Topaksu M., Can N.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.525, pp.34-40, 2022 (SCI-Expanded)
- XXV. **Thermoluminescence glow curve analysis of Ca₃Y₂B₄O₁₂ phosphor prepared using combustion method**
Hakami J., Sonsuz M., Kaynar U. H., Ayvacikli M., Oglakci M., Yuksel M., Topaksu M., Can N.
APPLIED RADIATION AND ISOTOPES, vol.186, pp.1-6, 2022 (SCI-Expanded)
- XXVI. **Structural and analyses of thermoluminescence glow curves in Sm doped SrGd₂O₄ phosphor**
Sarikci S., Topaksu M., Bakr M., Can N.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.911, 2022 (SCI-Expanded)
- XXVII. **Preliminary study on the thermally stimulated luminescence characterization of UVC and beta irradiated tridymite**
Balci S., Topaksu M., Benavente J. F., Garcia-Guinea J., Correcher V.
APPLIED RADIATION AND ISOTOPES, vol.186, 2022 (SCI-Expanded)
- XXVIII. **Thermoluminescence glow curve analysis and kinetic parameters of Eu doped Li₂MoO₄ ceramic phosphors**
Souadi G., Oglakci M., Kaynar U. H., Correcher V., Benavente J. F., Bulcar K., Ayvacikli M., Hiziroglu A., Topaksu M., Can N., et al.
CERAMICS INTERNATIONAL, vol.48, no.13, pp.19258-19265, 2022 (SCI-Expanded)
- XXIX. **Kinetic parameters and anomalies in heating rate effects of the thermoluminescence from rock salt from Tuzluca in Turkey**
Bulcar K., Oglakci M., Hakami J., Topaksu M., Can N., Alma M. H.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.523, pp.8-15, 2022 (SCI-Expanded)

- XXX. **Novel Dy incorporated Ca₃Y₂B₄O₁₂ phosphor: Insights into the structure, broadband emission, photoluminescence and cathodoluminescence characteristics**
Qaisi A. H., Kaynar U. H., Ayvacikli M., Garcia-Guinea J., Alajlani Y., TOPAKSU M., Can N.
APPLIED RADIATION AND ISOTOPES, vol.185, 2022 (SCI-Expanded)
- XXXI. **Anomalous heating rate dependence and analyses of thermoluminescence glow curves in Gd doped ZnB₂O₄ phosphors**
Atasoz S., TOPAKSU M., Souadi G., Can N.
JOURNAL OF LUMINESCENCE, vol.246, 2022 (SCI-Expanded)
- XXXII. **Thermoluminescence glow curve analysis of Ca₃Y₂B₄O₁₂ phosphor prepared using combustion method**
Hakami J., Sonsuz M., Kaynar Ü. H., Ayvacıklı M., Oğlakçı M., Yüksel M., Topaksu M., Can N.
APPLIED RADIATION AND ISOTOPES, vol.186, pp.1-6, 2022 (SCI-Expanded)
- XXXIII. **Thermal quenching and evaluation of trapping parameters of thermoluminescence glow-peaks of beta irradiated NaBaBO₃: Tb³⁺ for TLD applications**
Oglakci M., TOPAKSU M., Alajlani Y., Can N., Karali E. E.
JOURNAL OF LUMINESCENCE, vol.244, 2022 (SCI-Expanded)
- XXXIV. **Synthesis and beta particle excited thermoluminescence of BaSiF₆ phosphor**
Souadi G., AKÇA ÖZALP S., Karali E. E., Kaynar U. H., Ayvacikli M., Topaksu M., Can N.
APPLIED RADIATION AND ISOTOPES, vol.181, 2022 (SCI-Expanded)
- XXXV. **Characterization of thermoluminescence kinetic parameters of dolomite after exposure to β-radiation dose**
Akça Özalp S., Portakal Uçar Z. G., Oğlakçı M., Yüksel M., Halefoğlu Y. Z., Topaksu M.
JOURNAL OF LUMINESCENCE, vol.240, pp.118427, 2021 (SCI-Expanded)
- XXXVI. **Thermoluminescence study and trapping parameters of beta irradiated NaBaBO₃:Gd³⁺ phosphor**
Oğlakçı M., Topaksu M., Souadi G. O., Can N.
JOURNAL OF LUMINESCENCE, vol.238, no.118245, pp.1-9, 2021 (SCI-Expanded)
- XXXVII. **Paleoseismic history of the Manisa fault zone, Western Anatolia**
Duran İ., Sözbilir H., Eski S., Softa M., Uytun H., Yüksel M., Topaksu M.
Turkish Journal Of Earth Sciences, vol.30, no.1, pp.806-832, 2021 (SCI-Expanded)
- XXXVIII. **Characterization of thermoluminescence kinetic parameters of beta irradiated B doped Ca₅(PO₄)₃OH powder obtained from eggshell.**
Depci T., Oglakci M., Sezer S., Yücel A., Dogan T., Souadi G., Topaksu M., Can N.
Applied radiation and isotopes : including data, instrumentation and methods for use in agriculture, industry and medicine, vol.173, pp.109738, 2021 (SCI-Expanded)
- XXXIX. **Thermoluminescence of Ce and Nd co-doped CaF₂ phosphors after beta irradiation**
Yazan H., Portakal Uçar Z. G., Akça Özalp S., Topaksu M., Townsend P., Can N.
JOURNAL OF LUMINESCENCE, vol.234, pp.117949, 2021 (SCI-Expanded)
- XL. **Thermoluminescence glow curve analysis and evaluation of trapping parameters of dysprosium doped lanthanum calcium borate La₂CaB₁₀O₁₉**
Bulcar K., Oglakci M., Kaynar U. H., Ayvacikli M., Souadi G., Topaksu M., Can N.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.489, pp.58-68, 2021 (SCI-Expanded)
- XLI. **Thermoluminescence glow curves of beta irradiated NaBaBO₃: Ce³⁺ phosphor synthesized by combustion method**
Oglakci M., TOPAKSU M., Can N.
SENSORS AND ACTUATORS A-PHYSICAL, vol.315, 2020 (SCI-Expanded)
- XLII. **Thermoluminescence of beta-particle induced Bern-4M muscovite**
Portakal-Uçar Z. G., Akça S., Balci-Yegen S., Yüksel M., Doğan T., Souadi G., Parlak O., Topaksu M., Can N.
RADIATION PHYSICS AND CHEMISTRY, vol.174, 2020 (SCI-Expanded)
- XLIII. **TL and OSL studies on gallium sulfide (GaS) single crystals**
Işık M., Yüksel M., Topaksu M., Gasanly N. M.

JOURNAL OF LUMINESCENCE, vol.225, 2020 (SCI-Expanded)

- XLIV. **Thermoluminescence behaviour of europium doped magnesium silicate after beta exposure**
Uçar Z. G., Kaynar Ü., DOĞAN T., Souadi G., Ayvacikli M., Canimoglu A., TOPAKSU M., Can N.
Optical Materials, vol.104, 2020 (SCI-Expanded)
- XLV. **A study on thermoluminescence behaviour of Eu doped LaB3O6 irradiated with beta particles**
Halefoğlu Y. Z., Oğlakçı M., Portakal Z. G., Akca S., Souadi G. O., Canimoglu A., Topaksu M., Can N.
Radiation Physics and Chemistry, vol.168, 2020 (SCI-Expanded)
- XLVI. **Structural and spectroscopic properties of LaAlB3 doped with Eu3+ ions**
Halefoğlu Y. Z., Oğlakçı M., Yüksel M., Canimoğlu A., Topaksu M., Can N.
APPLIED RADIATION AND ISOTOPES, vol.154, 2019 (SCI-Expanded)
- XLVII. **Thermoluminescence properties of Tb doped Mg2SiO4 after beta irradiation**
AKÇA S., Portakal Z. G., DOĞAN T., Kucuk N., Canimoğlu A., TOPAKSU M., Can N.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.458, pp.12-20, 2019 (SCI-Expanded)
- XLVIII. **Comparative studies on thermoluminescence characteristics of non-doped Mg2SiO4 prepared via a solid-state reaction technique and wet-chemical method: An unusual heating rate dependence**
Doğan T., Akça S., Yüksel M., Kucuk N., Ayvacikli M., Karabulut Y., Canimoğlu A., Topaksu M., Can N.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.795, pp.261-268, 2019 (SCI-Expanded)
- XLIX. **Thermoluminescence analysis of beta irradiated ZnB2O4: Pr3+ phosphors synthesized by a wet-chemical method**
Akca S., Oğlakçı M., Portakal Z. G., Kucuk N., Bakr M., Topaksu M., Can N.
RADIATION PHYSICS AND CHEMISTRY, vol.160, pp.105-111, 2019 (SCI-Expanded)
- L. **Synthesis and luminescence characterization of microcrystalline Nd-doped calcium sulfate**
Yüksel M., Doğan T., Portakal Z. G., Topaksu M.
APPLIED RADIATION AND ISOTOPES, vol.148, pp.197-203, 2019 (SCI-Expanded)
- LI. **Thermoluminescence spectra of Tm doped ZnB2O4 phosphor prepared via a wet-chemical synthesis**
Bulcar K., Kucuk N., TOPAKSU M., Can N.
APPLIED RADIATION AND ISOTOPES, vol.147, pp.177-181, 2019 (SCI-Expanded)
- LII. **Neutron plus Gamma response of undoped and Dy doped MgB4O7 thermoluminescence dosimeter**
Ifrazoglu S., YILMAZ A. Ö., Kafadar V. E., TOPAKSU M., Yazici A. N.
APPLIED RADIATION AND ISOTOPES, vol.147, pp.91-98, 2019 (SCI-Expanded)
- LIII. **Characterization and thermoluminescence behavior of beta irradiated NaBaB3O3 phosphor synthesized by combustion method**
Oğlakçı M., Akça S., Halefoğlu Y. Z., Doğan T., Ayvacikli M., Karabulut Y., Topaksu M., Can N.
CERAMICS INTERNATIONAL, vol.45, pp.7011-7017, 2019 (SCI-Expanded)
- LIV. **Cathodoluminescence and thermoluminescence of ZnB2O4:Eu3+ phosphors prepared via wet-chemical synthesis**
DOĞAN T., Tormo L., AKÇA S., Kucuk N., Garcia Guinea J., Karabulut Y., Ayvacikli M., Oglakci M., TOPAKSU M., Can N.
CERAMICS INTERNATIONAL, vol.45, no.4, pp.4918-4925, 2019 (SCI-Expanded)
- LV. **Preparation and photoluminescence properties of aluminate phosphors produced by combustion synthesis**
Halefoğlu Y. Z., Yüksel M., Derin H., Can N., Topaksu M., Ozturk E., Karacaoglu E.
APPLIED RADIATION AND ISOTOPES, vol.142, pp.46-50, 2018 (SCI-Expanded)
- LVI. **UV effect on the cathodo- and thermoluminescence properties of a gem-quality Cr-rich diasporite (alpha-AlOOH)**
TOPAKSU M., Correcher V., Boronat C., Garcia-Guinea J., Portakal Z. G., AKÇA S.
APPLIED RADIATION AND ISOTOPES, vol.141, pp.101-106, 2018 (SCI-Expanded)
- LVII. **Anomalous heating rate response of beta irradiated Sm3+ and Tb3+ doped BaAl2O4 phosphors**
Kaynar U. H., Guvener E., Ayvacikli M., DOĞAN T., Balci-Yegen S., Oglakci M., TOPAKSU M., Karabulut Y., Canimoglu A., Benourdjia S., et al.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.764, pp.523-529, 2018 (SCI-Expanded)

- LVIII. Heating rate properties and kinetic parameters of thermoluminescence glow curves of La-doped zinc borate**
Yüksel M., Doğan T., Balci-Yegen S., Akça S., Portakal Z. G., Kucuk N., Topaksu M.
RADIATION PHYSICS AND CHEMISTRY, vol.151, pp.149-155, 2018 (SCI-Expanded)
- LIX. Thermoluminescence behavior of Sm³⁺ activated ZnB₂O₄ phosphors synthesized using low temperature chemical synthesis method**
Bulcar K., Doğan T., Akça S., Yüksel M., Ayvacıklı M., Karabulut Y., Kucuk N., Canımoglu A., Can N., Topaksu M.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.428, pp.65-71, 2018 (SCI-Expanded)
- LX. Doping Sm³⁺ into ZnB₂O₄ phosphors and their structural and cathodoluminescence properties**
Kucuk N., Bulcar K., DOĞAN T., Garcia Guinea J., Portakal Z. G., Karabulut Y., Ayvacıklı M., Canımoglu A., TOPAKSU M., Can N.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.748, pp.245-251, 2018 (SCI-Expanded)
- LXI. Thermoluminescence dose and heating rate dependence and kinetic analysis of ZnB₂O₄:0.05Dy(3+) phosphor**
Balci-Yegen S., YÜKSEL M., Kucuk N., Karabulut Y., Ayvacikli M., Can N., TOPAKSU M.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.416, pp.50-54, 2018 (SCI-Expanded)
- LXII. Correlation between thermoluminescence emission and phase transitions of tridymite**
Balci-Yegen S., Boronat C., Garcia-Guinea J., TOPAKSU M., Correcher V.
PHASE TRANSITIONS, vol.91, no.11, pp.1122-1128, 2018 (SCI-Expanded)
- LXIII. Normal and anomalous heating rate effects on thermoluminescence of Ce-doped ZnB₂O₄**
Doğan T., Yüksel M., Akça S., Portakal Z. G., Balci-Yegen S., Kucuk N., Topaksu M.
APPLIED RADIATION AND ISOTOPES, vol.128, pp.256-262, 2017 (SCI-Expanded)
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Non Academic Experience

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