

Prof. Demet YILMAZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Bilimleri, Fizik/Atom Ve Moleköl Fiziği, Turkey 1999 - 2006

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, DIŞ ELEKTRİK VE MANYETİK ALANLARIN COMPTON SAÇILMASI İLE K VE L-X IŞINLARININ AÇISAL DAĞILIMINA ETKİSİNİN İNCELENMESİ , Ataturk Üniversitesi, Fen Bilimleri, Fizik/Atom Ve Moleköl Fiziği, 2005

Postgraduate, MANYETİK VE ELEKTRİK ALANLARDAKİ DEMİR, BAKIR, PİRİNÇ VE P-TİPİ SİLİSYUM NUMUNELERİNDEN COMPTON SAÇILMASI, Ataturk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik/Atom Ve Moleköl Fiziği, 2001

Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Atomic Spectra and Photon Interactions, Interdisciplinary Physics and Related Science and Technology Areas, Biophysics and Medical Physics, Materials Science, Nuclear physics, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Fizik, 2014 - Continues

Courses

X-Işını Spektroskopisi II, Doctorate, 2021 - 2022

X-Işınları ve Uygulamaları, Undergraduate, 2021 - 2022

Kuantum Fiziği I, Undergraduate, 2022 - 2023

Kuantum Fiziği II, Undergraduate, 2021 - 2022

Kuantum Fiziği II, Undergraduate, 2021 - 2022

Kuantum Fiziği , Undergraduate, 2022 - 2023
Fizikte Matematiksel Yöntemler, Undergraduate, 2022 - 2023
X-ışını spektroskopisi II, Postgraduate, 2020 - 2021

Advising Theses

Yılmaz D., Bazı bor bileşiklerinde koherent ve gerisaçılma şiddet oranının ortalama atom numarası ile değişiminin incelenmesi, Postgraduate, E.BİLİCİ(Student), 2020
Yılmaz D., CdTe dedektörün 13-1333 keV enerji aralığında dedeksiyon veriminin belirlenmesi, Postgraduate, P.ÖNDER(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Radiation shielding parameters and Micro-Raman spectral analysis of some pyroclastic rocks**
Yılmaz D., Kılıç A. D., Kalecik S.
RADIATION PHYSICS AND CHEMISTRY, vol.203, pp.1-12, 2023 (SCI-Expanded)
- II. **An investigation on compatibility of experimental effective atomic numbers of some Fe –Ni alloys with those predicted by MCNP**
Kalecik S., Yılmaz D., Kurucu Y., Gürol A., Toker O., İçelli O.
RADIATION PHYSICS AND CHEMISTRY, vol.202, pp.1-12, 2023 (SCI-Expanded)
- III. **Effective atomic numbers and number, energy and dose albedos of different colored thermoplastic materials**
Yılmaz D., Kurucu Y., Gürol A.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, 2022 (SCI-Expanded)
- IV. **The role of TeO₂ insertion on the radiation shielding, structural and physical properties of borosilicate glasses**
AKTAŞ B., AÇIKGÖZ A., YILMAZ D., YALÇIN Ş., Doğru K., YORULMAZ N.
JOURNAL OF NUCLEAR MATERIALS, vol.563, 2022 (SCI-Expanded)
- V. **Optical, structural, physical, and nuclear shielding properties, and albedo parameters of TeO₂-BaO-B₂O₃-PbO-V₂O₅ glasses**
FİDAN M., AÇIKGÖZ A., DEMİRCAN G., YILMAZ D., AKTAŞ B.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.163, 2022 (SCI-Expanded)
- VI. **Structural, mechanical, radiation shielding properties and albedo parameters of alumina borate glasses: Role of CeO₂ and Er₂O₃**
AÇIKGÖZ A., DEMİRCAN G., Aktas B., YALÇIN Ş., YORULMAZ N., Yılmaz D.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.276, 2022 (SCI-Expanded)
- VII. **Influence of the sample thickness upon the albedo factors using 59.54 and 662 keV photon energies**
Yılmaz D., Akkuş T., Kalecik S.
INSTRUMENTATION SCIENCE AND TECHNOLOGY, vol.50, no.4, pp.447-455, 2022 (SCI-Expanded)
- VIII. **Effective atomic numbers of boron compounds obtained using Rayleigh to Compton scattering intensity ratio**
CİNAN E., YILMAZ D.
APPLIED RADIATION AND ISOTOPES, vol.174, 2021 (SCI-Expanded)
- IX. **Measurement on radiation shielding parameters of Fe_xCr_{1-x} and Fe_xNi_{1-x} alloys**
Tursucu A., Elmahroug Y., Yılmaz D.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.127, no.8, 2021 (SCI-Expanded)
- X. **Albedo parameters and effective atomic numbers of PEDOT/Carbon black composites**
Yılmaz D., Bayrakçeken Yurtcan A., Özer T. Ö., Memioğlu F.

- Radiation Physics and Chemistry, vol.182, 2021 (SCI-Expanded)
- XI. **Albedo factors of some boron compounds at 59.54 keV**
Yılmaz D., Akkuş T.
APPLIED RADIATION AND ISOTOPES, vol.1, no.1, pp.1-5, 2021 (SCI-Expanded)
- XII. **Gamma ray characterization of the albedo of atmospheric dust from Southeast Anatolia, Turkey**
Rastgeldi Doğan T., Yılmaz D., Yalçın Ş.
Instrumentation Science & Technology, vol.1, no.1, pp.1-5, 2021 (SCI-Expanded)
- XIII. **Study of the relationship between different intensity ratios and effective atomic number in diluted uranium samples**
YILMAZ D., GÜROL A.
RADIATION PHYSICS AND CHEMISTRY, vol.179, 2021 (SCI-Expanded)
- XIV. **Calcium-based TLD materials for radiation applications**
YILMAZ D., Buyukyildiz M.
RADIATION PHYSICS AND CHEMISTRY, vol.179, 2021 (SCI-Expanded)
- XV. **Efficient removal of iodine-131 from radioactive waste by nanomaterials**
Yılmaz D., Gürol A.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.49, no.1, pp.45-54, 2021 (SCI-Expanded)
- XVI. **Determination of albedo parameters of the organometallic halide perovskite films**
YILMAZ D., Baltakesmez A., UZUNOĞLU Z., BİBER M.
RADIATION PHYSICS AND CHEMISTRY, vol.177, 2020 (SCI-Expanded)
- XVII. **Angular dependence of L X-rays of samarium, hafnium, and lead**
AKKUŞ T., YILMAZ D., ŞAHİN Y.
SPECTROSCOPY LETTERS, vol.52, no.5, pp.261-266, 2019 (SCI-Expanded)
- XVIII. **X- and gamma-ray irradiation effects on vanadium pentoxide thin films**
YILMAZ D., GÜZELDİR B., AKKUŞ T., ÖZNLÜER T.
Spectroscopy Letters, vol.51, no.6, pp.297-301, 2018 (SCI-Expanded)
- XIX. **Effect of an external magnetic field on the mass attenuation coefficients of p-Si and n-Si**
YILMAZ D., ÖNDER P.
Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.423, pp.72-74, 2018 (SCI-Expanded)
- XX. **L-shell differential cross-section and alignment of uranium at 59.54-keV photon energy**
AKKUŞ T., ALIM B., YILMAZ D., ŞAHİN Y.
APPLIED RADIATION AND ISOTOPES, vol.130, pp.60-65, 2017 (SCI-Expanded)
- XXI. **Determination of the multiple scattered fraction as a function of target thickness**
UZUNOGLU Z., YILMAZ D., Sahin Y.
CANADIAN JOURNAL OF PHYSICS, vol.95, no.6, pp.595-599, 2017 (SCI-Expanded)
- XXII. **Albedo factors of some elements in the atomic number range $26 \leq Z \leq 79$ for 59.54 keV**
YILMAZ D., UZUNOGLU Z., DEMIR C.
APPLIED RADIATION AND ISOTOPES, vol.122, pp.68-71, 2017 (SCI-Expanded)
- XXIII. **Determination of coherent to Compton scattering differential cross section ratios of some inorganic materials with EDXRF**
YILMAZ D., ŞİMŞEK Ü., AKKUS T., ŞAHİN Y.
CANADIAN JOURNAL OF PHYSICS, vol.95, no.4, pp.407-411, 2017 (SCI-Expanded)
- XXIV. **The K-beta/K-alpha intensity ratios of some elements at different azimuthal scattering angles at 59.54 keV**
Akkuş T., Sahin Y., YILMAZ D., TUZLUCA F. N.
CANADIAN JOURNAL OF PHYSICS, vol.95, no.3, pp.220-224, 2017 (SCI-Expanded)
- XXV. **Measurement of mass attenuation coefficients for undoped and boron nitride-doped magnesium diboride superconductors in the x-ray region 8.04-59.5keV**
YILMAZ D., SIMSEK U.
SPECTROSCOPY LETTERS, vol.50, no.6, pp.299-300, 2017 (SCI-Expanded)

- XXVI. **Determination of the saturation thickness and albedo factors for mercury(II) oxide and lead(II) oxide**
UZUNOGLU Z., YILMAZ D., Sahin Y.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.45, no.1, pp.111-121, 2017 (SCI-Expanded)
- XXVII. **Energy absorption buildup factors of some potential bioactive compounds in the energy region 0.015-15 MeV**
YILMAZ D., GEDIK Z., TUĞRAK M., GÜL H. İ.
SPECTROSCOPY LETTERS, vol.50, no.6, pp.301-306, 2017 (SCI-Expanded)
- XXVIII. **Buildup factors and kerma for Al₂O₃ and SiO₂ in the energy range 0.015-15 MeV**
YILMAZ D., ALIM B., AKKUŞ T., GÜZELDİR B.
American Institute of Physics, vol.1833, pp.20086, 2017 (SCI-Expanded)
- XXIX. **Determination of mass attenuation coefficients and effective atomic numbers for compounds of the 3d transition elements**
YILMAZ D., BOYDAŞ E., COMERT E.
RADIATION PHYSICS AND CHEMISTRY, vol.125, pp.65-68, 2016 (SCI-Expanded)
- XXX. **Azimuthal and polar angle dependence of L X-ray differential cross-sections of Yb at 59.54 keV photon energy**
AKKUS T., ŞAHİN Y., YILMAZ D.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.366, pp.145-149, 2016 (SCI-Expanded)
- XXXI. **Characterization of the effective atomic number for first row transition elements by the ratio of coherent to Compton scattering intensities obtained by wavelength dispersive X-ray fluorescence**
BOYDAŞ E., YILMAZ D., COMERT E.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.44, no.6, pp.642-650, 2016 (SCI-Expanded)
- XXXII. **Quantitative x-ray spectrometric analysis with peak to Compton ratios**
UZUNOGLU Z., YILMAZ D., Sahin Y.
RADIATION PHYSICS AND CHEMISTRY, vol.112, pp.189-194, 2015 (SCI-Expanded)
- XXXIII. **Radiation Parameters of Some Potential Bioactive Compounds**
GEDIK Z., TUĞRAK M., DASTAN A., GÜL H. İ., YILMAZ D.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.35, no.6, pp.1501-1505, 2015 (SCI-Expanded)
- XXXIV. **Measurement of effective atomic number of gunshot residues using scattering of gamma rays**
YILMAZ D., TURŞUCU A., Uzunoglu Z., Korucu D.
RADIATION PHYSICS AND CHEMISTRY, vol.102, pp.68-71, 2014 (SCI-Expanded)
- XXXV. **Chemical effect on the K shell x-ray fluorescence parameters of some Ce compounds**
TURŞUCU A., Demir D.
Applied Radiation and Isotopes, vol.77, pp.23-26, 2013 (SCI-Expanded)
- XXXVI. **Measurement of K x-ray fluorescence parameters in elements with $24 \leq Z \leq 65$ in an external magnetic field**
Demir D., ŞAHİN Y.
Radiation Physics and Chemistry, vol.85, pp.64-69, 2013 (SCI-Expanded)
- XXXVII. **Studies on mass attenuation coefficient effective atomic number and electron density of some amino acids**
TURŞUCU A., Önder P., YILMAZ D., ÖZDÜLÜER T.
International Journal of Physics Sciences, 2013 (SCI-Expanded)
- XXXVIII. **Measurement of the effective atomic number of Fe_xCr_{1-x} and Fe_xNi_{1-x} alloys using scattering of gamma rays**
Demir D., TURŞUCU A.
Journal of Alloys and Compounds, vol.581, pp.213-216, 2013 (SCI-Expanded)
- XXXIX. **K Shell X-Ray Fluorescence Parameters of Some Elements in the Atomic Range $40 \leq Z \leq 50$**
Onder P., TURŞUCU A., Demir D.
SCIENCE AND TECHNOLOGY OF NUCLEAR INSTALLATIONS, 2013 (SCI-Expanded)

- XL. Studies on mass attenuation coefficient, effective atomic number and electron density of some thermoluminescent dosimetric compounds**
 ÖNDER P., TURŞUCU A., Demir D., GÜROL A.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.292, pp.1-10, 2012 (SCI-Expanded)
- XLI. The response of a CdTe detector for gamma rays in a high magnetic field**
 Demir D., TURŞUCU A., EROGLU M.
 Journal of Analytical Atomic Spectrometry, vol.27, no.11, pp.1935-1940, 2012 (SCI-Expanded)
- XLII. Studies on mass attenuation coefficient, mass energy absorption coefficient and kerma of some vitamins**
 Demir D., TURŞUCU A.
 Annals of Nuclear Energy, vol.48, pp.17-20, 2012 (SCI-Expanded)
- XLIII. Determination of K-L total vacancy transfer probabilities using a weak gamma source in 2π geometrical configuration**
 TURŞUCU A., ÖNDER P., EROGLU M., Demir D.
 Applied Radiation and Isotopes, vol.70, no.8, pp.1509-1511, 2012 (SCI-Expanded)
- XLIV. Angular dependence of L X-ray production cross sections for Pt and Au elements in an external magnetic field**
 Demir D., Şahin Y.
 Journal of X-Ray Science and Technology, vol.20, no.1, pp.79-89, 2012 (SCI-Expanded)
- XLV. Studies on mass attenuation coefficient, effective atomic number and electron density of some vitamins**
 Demir D., TURŞUCU A., ÖZNÜLÜER T.
 Radiation and Environmental Biophysics, vol.51, no.4, pp.469-475, 2012 (SCI-Expanded)
- XLVI. Determination of density and volumetric water content of soil at multiple photon energies**
 ÜN A., Demir D., ŞAHİN Y.
 Radiation Physics and Chemistry, vol.80, no.8, pp.863-868, 2011 (SCI-Expanded)
- XLVII. Measurement of soil water using Compton scattering**
 Şahin Y., Ün A., Demir D., ÖZGÜL M., FİDAN M.
 X-Ray Spectrometry, vol.40, no.4, pp.315-318, 2011 (SCI-Expanded)
- XLVIII. Performance of CdTe detector in the 13-1333keV energy range**
 Demir D., ÖNDER P., Öznülüer T.
 Radiation Physics and Chemistry, vol.79, no.11, pp.1132-1136, 2010 (SCI-Expanded)
- XLIX. Determination of photon attenuation coefficient, porosity and field capacity of soil by gamma-ray transmission for 60, 356 and 662 keV gamma rays**
 Demir D., ÜN A., ÖZGÜL M., ŞAHİN Y.
 Applied Radiation and Isotopes, vol.66, no.12, pp.1834-1837, 2008 (SCI-Expanded)
- L. Variation of $K\beta/K\alpha$ X-ray intensity ratio and lineshape with the effects of external magnetic field and chemical combination**
 PORIKLI S., Demir D., KURUCU Y.
 European Physical Journal D, vol.47, no.3, pp.315-323, 2008 (SCI-Expanded)
- LI. The effect of an external electric field on radiation transmission and Compton scattering in plexiglass**
 Demir D.
 Journal of Nuclear Materials, vol.375, no.2, pp.218-223, 2008 (SCI-Expanded)
- LII. Compton profiles of p-Si and n-Si in an external electric field**
 Demir D., ŞAHİN Y.
 Physica Status Solidi (B) Basic Research, vol.245, no.4, pp.701-706, 2008 (SCI-Expanded)
- LIII. L_I/L_α X-ray intensity ratios for elements in the range $73 \leq Z \leq 92$ excited by 59.54 keV photons in an external magnetic field**
 Demir D., Şahin Y.

Radiation Physics and Chemistry, vol.77, no.2, pp.121-124, 2008 (SCI-Expanded)

- LIV. **The effect of an external magnetic field on the L subshell X-ray fluorescence cross sections and L subshell fluorescence yields in elements $73 \leq Z \leq 92$ by 59.54 keV photons**
Demir D., ŞAHİN Y.
Journal of Electron Spectroscopy and Related Phenomena, vol.162, no.1, pp.8-12, 2008 (SCI-Expanded)
- LV. **The effect of an external magnetic field on L x-ray intensity ratios for elements in the range $73 \leq z \leq 92$ at 59.54 keV**
Demir D., Sahin Y.
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.76, no.11, 2007 (SCI-Expanded)
- LVI. **The effect of an external magnetic field on the L 3 subshell fluorescence yields and level widths for Ta, W, Tl, Th and U at 59.54 keV photons**
Demir D., ŞAHİN Y.
European Physical Journal D, vol.44, no.1, pp.17-22, 2007 (SCI-Expanded)
- LVII. **Measurements of K-shell x-ray production cross sections and K to L and M-shell radiative vacancy transfer probabilities for Nd, Eu, Gd, Dy and Ho at excitation with 59.5 keV photons in an external magnetic field**
Demir D., Şahin Y.
X-Ray Spectrometry, vol.36, no.3, pp.178-184, 2007 (SCI-Expanded)
- LVIII. **Measurement of the K shell X-ray production cross-sections and fluorescence yields for Nd, Eu, Gd, Dy and Ho using radioisotope X-ray fluorescence in the external magnetic field**
Demir D., ŞAHİN Y.
European Physical Journal D, vol.42, no.2, pp.211-216, 2007 (SCI-Expanded)
- LIX. **Measurement of L X-ray intensity ratios for ^{92}U and ^{90}Th elements using photoionization in an external magnetic field**
Demir D., ŞAHİN Y.
Chinese Physics Letters, vol.24, no.3, pp.668-671, 2007 (SCI-Expanded)
- LX. **The effect of an external magnetic field on the L3 subshell fluorescence yields and level widths for Gd, Dy, Hg and Pb at 59.5 keV**
Demir D., Şahin Y.
Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.254, no.1, pp.43-48, 2007 (SCI-Expanded)
- LXI. **Radiation transmission of concrete including boron waste for 59.54 and 80.99 keV gamma rays**
Demir D., KELEŞ G.
Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.245, no.2, pp.501-504, 2006 (SCI-Expanded)
- LXII. **Compton scattering of 59.5 keV gamma rays from p-Si sample in an external electric field**
Demir D., Şahin Y., YILDIRIM M.
Journal of Quantitative Spectroscopy and Radiative Transfer, vol.97, no.3, pp.381-387, 2006 (SCI-Expanded)
- LXIII. **Compton scattering of 59.54 keV γ -rays from Fe and p-Si samples in an external magnetic field**
Şahin Y., Demir D.
X-Ray Spectrometry, vol.32, no.4, pp.336-338, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Albedo Numbers of Ag₇₂Cu₂₈ Alloy Etched by Hydrofluoric Acid**
Kalecik S., Pathman A. F., Yilmaz D., Kurucu Y.
International Journal of Scientific and Engineering Research, vol.13, no.12, pp.23-26, 2022 (Peer-Reviewed Journal)
- II. **Determination of Mass Attenuation Coefficients of High Strength Lightweight Concrete Which Producing Using Raw Perlite Aggregate**

ULUSU İ., YILMAZ D., Uzunoğlu Z., AKALTUN Y.

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.610-616, 2018 (Peer-Reviewed Journal)

III. **Radiation Parameters for Some TLD Materials in the Energy Range 0.015-15 MeV**

YILMAZ D., Uzunoğlu Z.

International Journal of Scientific Engineering Research, vol.9, no.5, pp.1-4, 2018 (Peer-Reviewed Journal)

IV. **Studies on mass attenuation coefficient, mass energy absorption coefficient, and kerma for Fe alloys at photon energies of 17.44 to 51.70 keV**

YILMAZ D., Sahin Y., DEMİR L.

TURKISH JOURNAL OF PHYSICS, vol.39, no.1, pp.81-90, 2015 (ESCI)

V. **Measurement of K K x ray intensity ratios and K to L shell total vacancy transfer probabilities for elements in the range 40 Z 50**

TURŞUCU A., Önder P., YILMAZ D.

International Journal of PhysicsSciences, 2013 (Peer-Reviewed Journal)

VI. **Measurement of K and L x ray intensity ratios for Nd and Ho elements in an external magnetic field**

YILMAZ D.

Azerbaijan Journal of Physics Fizika XVI, 2010 (Peer-Reviewed Journal)

VII. **Relative reflection efficiency of a LiF Crystal**

YILMAZ D.

Azerbaijan Journal of Physics Fizika XVI, 2010 (Peer-Reviewed Journal)

VIII. **Chemical Effects on X ray Emission Spectrum of some Mn and Fe compounds**

DURDAĞI S., YILMAZ D., KURUCU Y.

Balkan Physics Letters, 2008 (Peer-Reviewed Journal)

IX. **Fiziksel Yöntemle Gürültü Düzeyi Tespiti**

YILMAZ D., ŞAHİN Y.

Journal of Qafqaz University, vol.19, pp.104-107, 2007 (Scopus)

X. **Fiziksel Yöntemle Gürültü Düzeyi Tespiti**

YILMAZ D., ŞAHİN Y.

Journal of Qafqaz University, vol.19, pp.104-107, 2007 (Scopus)

Books & Book Chapters

I. **MÜHENDİSLER VE FEN BİLİMCİLER İÇİN FİZİK ELEKTRİK VE MANYETİZMA PROBLEM ÇÖZÜMLERİ**

Boydaş E., Yılmaz D., Yıldırım M., Şahin Y., Duman S., Demir L.

Atatürk Üniversitesi Yayınları, Erzurum, 2022

II. **MÜHENDİSLER VE FEN BİLİMCİLER İÇİN FİZİK 1. CİLT SORULARI VE ÇÖZÜMLERİ**

GÜROL A., YILMAZ D., BOYDAŞ E., YILDIRIM M., DUMAN S., ŞAHİN Y., GÜRBULAK B., TURGUT G.

Atatürk Üniversitesi Yayınları No: 1233, Erzurum, 2019

III. **Fen ve Mühendisler için Fizik I. Cilt Soruları ve Çözümleri**

ŞAHİN Y., YILDIRIM M., GÜRBULAK B., GÜROL A., YILMAZ D., BOYDAŞ E., DUMAN S., TURGUT G.

Atatürk Üniversitesi Yayın Koordinatörlüğü, Erzurum, 2019

IV. **Mühendisler ve fen bilimciler için fizik 1.cilt soruları ve çözümleri**

GÜROL A., BOYDAŞ E., YILMAZ D., YILDIRIM M., DUMAN S., TURGUT G., GÜRBULAK B., ŞAHİN Y.

Atatürk Üni Yayınları No:1233, Erzurum, 2019

V. **8. Bölüm**

YILMAZ D., GÜROL A.

in: Mühendisler ve Fen bilimcileri İçin Fizik I. Cilt Soru ve Çözümleri, Muhammet Yıldırım, Yusuf ŞAHİN, Editor,

Atatürk Üniversitesi Yayınları No:1233, Erzurum, pp.121-132, 2019

VI. **3. Bölüm ve 4. Bölüm**

GÜRBULAK B., TURGUT G., DUMAN S., YILDIRIM M., ŞAHİN Y., GÜROL A., YILMAZ D., BOYDAŞ E.

in: Mühendislik ve Fen Bilimciler için Fizik 1. cilt, Yusuf ŞAHİN, Muhammet YILDIRIM, Editor, Korza Yayıncılık Bilim

San. ve Tic. A.Ş, Erzurum, 2018

VII. **X-Işını Spektroskopisi**

YILMAZ D., ŞAHİN Y.

Çimke, Konya, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Albedo Numbers of Cu₆₉Zn₃₇ Alloys Etched by Hydrofluoric Acid**
Pathman A. F., Kalecik S., Yılmaz D.
Turkish Physical Society 38th International Physics Congress, Muğla, Turkey, 31 August - 04 September 2022, vol.04, no.6, pp.113-116
- II. **Removal Efficiency of I-131 BY Charcoal and Bentonite Clay**
Kalecik S., Yılmaz D., Gürol A.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS 2021), Erzurum, Turkey, 10 - 12 September 2021
- III. **Effective Atomic Numbers of Some Thermoplastic Materials For 59.54 KeV Gamma Rays**
Kalecik S., Yılmaz D., Gürol A., Kurucu Y.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS 2021), Erzurum, Turkey, 10 - 12 September 2021
- IV. **Determination of Albedo Factors for Undoped, Selenium and Bore Doped Vanadium Oxide Thin Films**
UZUNOĞLU Z., BALTAKESMEZ A., GÜZELDİR B., YILMAZ D.
3rd International Conference on Advances in Natural and Applied Sciences, Turkey, 9 - 12 May 2018
- V. **The Optical Characterization of the W doped V2O5Thin Films Irradiated With Gamma-Rays**
BALTAKESMEZ A., ODABAŞ M., GÜZELDİR B., YILMAZ D., SAĞLAM M.
3rd International Conference on Advances in Natural Applied Sciences (ICANAS-2018), 9 - 12 May 2018
- VI. **Edxrs'de Mekanik Gürültünün Etkisi**
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Citation (WoS): 787

Citation (Scopus): 817

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Buildup factors and Kerma for Al₂O₃ and SiO₂ in the energy range 0.015-15 MeV, Attendee, Turkey, 2017

Azimuthal angular dependence of K beta/K alpha Intensity Ratios of some elements, Attendee, Turkey, 2017

Determination of Thickness of Vanadium Pentoxide Thin Film with EDXRF, ICANAS,, Attendee, Turkey, 2017

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