

Prof. Demet YILMAZ

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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. **Investigation of the radiosensitive properties of curcumin and temozolomide**
KOÇ K., YILMAZ D., BOYDAŞ E.
RADIATION PHYSICS AND CHEMISTRY, vol.226, 2025 (SCI-Expanded)
- II. **Structural, thermal, and radiation shielding properties of B₂O₃-TeO₂-Bi₂O₃-CdO-Tm₂O₃ glasses: The role of Tm₂O₃**
Dogru K., Aktas B., Acikgoz A., YILMAZ D., Pathman A. F., Yalcin S., Demircan G.
Ceramics International, vol.50, no.22, pp.47384-47394, 2024 (SCI-Expanded)
- III. **The structural, optical, electrical and radiation shielding properties of Co-doped ZnO thin films**
Buzok E. B., Yalcin S., Demircan G., YILMAZ D., Aktas B., Aytar E.
Radiation Physics and Chemistry, vol.222, 2024 (SCI-Expanded)
- IV. **Characterization and radiation shielding efficiency of MWCNT/shape memory ternary blend composite films**
Selçuk Pekdemir S., YILMAZ D., Yalcin Kuzu S., Pekdemir M. E.
Radiation Physics and Chemistry, vol.222, 2024 (SCI-Expanded)
- V. **Adsorption of Uranium (VI) From Aqueous Solution Using Melamine Formaldehyde Organo Clay Nanocomposite Foam as a Novel Adsorbent**
GÜRSES A., Sehhatigdiri A., YILMAZ D., Sahin E.
JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS, 2024 (SCI-Expanded)
- VI. **Radiation shielding properties of composites of TiZrNbHfTa refractory high entropy alloy reinforced with TiZrNbHfTaO_x high-entropy oxide**
Güler Ö., YILMAZ D., Kanca M. S., Edalati K., Taşgın Y.
Journal of Alloys and Compounds, vol.995, 2024 (SCI-Expanded)
- VII. **The effect of high entropy oxide on radiation shielding parameters of erbium oxide doped glasses**
Kanca M. S., Taşgın Y., YILMAZ D., Pathman A. F., Güler Ö.
Ceramics International, vol.50, no.9, pp.15600-15612, 2024 (SCI-Expanded)
- VIII. **An experimental work on radiation scattering features of some thermoluminescent dosimetry materials**
YILMAZ D., AKKUŞ T.
Radiation Physics and Chemistry, vol.216, 2024 (SCI-Expanded)
- IX. **Radiation shielding calculations of some selected rare earth oxides**
Turşucu A., Elmahroug Y., YILMAZ D.
Radiation Physics and Chemistry, vol.212, 2023 (SCI-Expanded)
- X. **An experimental study for the identification of some bacterial strains for uranium bioremediation by gamma spectrometry**
Yılmaz D., Dikbaş N., Kalecik S., Uçar S., Alım Ş.
RADIATION PHYSICS AND CHEMISTRY, vol.212, 2023 (SCI-Expanded)

- XI. **An experimental study on chemical shifts and X-ray intensity ratios**
Uğurlu M., AKKUŞ T., Akbulut O., DEMİR L., YILMAZ D.
Applied Radiation and Isotopes, vol.198, 2023 (SCI-Expanded)
- XII. **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)
- XIII. **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, vol.178, no.3-4, pp.325-334, 2023 (SCI-Expanded)
- XIV. **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, 2023 (SCI-Expanded)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **Calcium-based TLD materials for radiation applications**
YILMAZ D., Buyukyildiz M.
RADIATION PHYSICS AND CHEMISTRY, vol.179, 2021 (SCI-Expanded)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **X- and gamma-ray irradiation effects on vanadium pentoxide thin films**
YILMAZ D., GÜZELDİR B., AKKUŞ T., ÖZÜLÜER T.
Spectroscopy Letters, vol.51, no.6, pp.297-301, 2018 (SCI-Expanded)
- XXX. **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)
- XXXI. **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)
- XXXII. **Determination of the multiple scattered fraction as a function of target thickness**
UZUNOĞLU Z., YILMAZ D., Sahin Y.
CANADIAN JOURNAL OF PHYSICS, vol.95, no.6, pp.595-599, 2017 (SCI-Expanded)
- XXXIII. **Albedo factors of some elements in the atomic number range $26 \leq Z \leq 79$ for 59.54 keV**
YILMAZ D., UZUNOĞLU Z., DEMİR C.
APPLIED RADIATION AND ISOTOPES, vol.122, pp.68-71, 2017 (SCI-Expanded)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **Energy absorption buildup factors of some potential bioactive compounds in the energy region 0.015-15 MeV**
YILMAZ D., GEDİK Z., TUĞRAK M., GÜL H. İ.
SPECTROSCOPY LETTERS, vol.50, no.6, pp.301-306, 2017 (SCI-Expanded)
- XXXVII. **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)
- XXXVIII. **Determination of the saturation thickness and albedo factors for mercury(II) oxide and lead(II) oxide**
UZUNOĞLU Z., YILMAZ D., Sahin Y.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.45, no.1, pp.111-121, 2017 (SCI-Expanded)
- XXXIX. **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)
- XL. **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)

- XLII. **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)
- XLIII. **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)
- XLIV. **Quantitative x-ray spectrometric analysis with peak to Compton ratios**
UZUNOĞLU Z., YILMAZ D., Sahin Y.
RADIATION PHYSICS AND CHEMISTRY, vol.112, pp.189-194, 2015 (SCI-Expanded)
- XLV. **Radiation Parameters of Some Potential Bioactive Compounds**
GEDİK Z., TUĞRAK M., DASTAN A., GÜL H. İ., YILMAZ D.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.35, no.6, pp.1501-1505, 2015 (SCI-Expanded)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- L. **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)
- LI. **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)
- LII. **The response of a CdTe detector for gamma rays in a high magnetic field**
Demir D., TURŞUCU A., EROĞLU M.
Journal of Analytical Atomic Spectrometry, vol.27, no.11, pp.1935-1940, 2012 (SCI-Expanded)
- LIII. **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)

- LIV. **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)
- LV. **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)
- LVI. **Studies on mass attenuation coefficient, effective atomic number and electron density of some vitamins**
Demir D., TURŞUCU A., ÖZNLÜER T.
Radiation and Environmental Biophysics, vol.51, no.4, pp.469-475, 2012 (SCI-Expanded)
- LVII. **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)
- LVIII. **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)
- LIX. **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)
- LX. **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)
- LXI. **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)
- LXII. **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)
- LXIII. **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)
- LXIV. **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)
- LXV. **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)
- LXVI. **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)
- LXVII. **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)
- LXVIII. **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)
- LXIX. **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)
- LXX. **Measurement of L X-ray intensity ratios for ⁹²U and ⁹⁰Th 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)
- LXXI. **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)
- LXXII. **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)
- LXXIII. **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)
- LXXIV. **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., Yılmaz 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. **Measurment of K and L x ray intensity ratios for Nd and Hoelemnts 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**
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Angular dependence of Coherent to Incoherent Scattering Differential Cross-section Ratios for Au, Attendee, Turkey, 2017

Investigation of Absorption and Enhancement Effects on L X-rays, Attendee, Turkey, 2017

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