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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik Bölümü/ Atom Ve Molekül Fiziği, Turkey 2002 - 2006

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik Bölümü/ Atom Ve Molekül Fiziği, Turkey 1999 - 2002

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik Bölümü, Turkey 1995 - 1999

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, İş Sağlığı ve Güvenliği Uzmanlığı Temel Eğitim Programı- Eğitici Belgesi, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı, 2013

Education Management and Planning, Öğretmenlik Formasyonu, KTU Fatih Eğitim Fakültesi, 1999

Dissertations

Doctorate, 65 Z 92 BÖLGESİNDE BAZI ELEMENTLERİN K VE L X-IŞINI FLORESANS PARAMETRELERİNİN ÖLÇÜLMESİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik Bölümü/ Atom Ve Molekül Fiziği, 2006

Postgraduate, 69 Z 92 BÖLGESİNDEKİ BAZI ELEMENTLERİN M KABUÇUNA AİT TESİR KESİTLERİNİN, ORTALAMA FLORESANS VERİMLERİNİN VE DİFERANSİYEL TESİR KESİTLERİNİN ÖLÇÜLMESİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik Bölümü/ Atom Ve Molekül Fiziği, 2002

Research Areas

Physics, Atomic and Molecular Physics, Atomic Spectra and Photon Interactions, Chemistry, Analytical Chemistry, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2015 - Continues
Associate Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2010 - 2015
Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2008 - 2010
Assistant Professor, Giresun University, Fen Edebiyat Fakültesi , Fizik Bölümü, 2007 - 2008
Lecturer, Karadeniz Technical University, -----, 2002 - 2007
Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik Bölümü, 2000 - 2002

Academic and Administrative Experience

BAP Coordinator, Karadeniz Technical University, Rektörlük, 2024 - Continues
Fakülte Kurulu Üyesi, Karadeniz Technical University, Fen Fakültesi, Fizik, 2022 - Continues
Anabilim Dalı Akademik Kurul Üyesi, Karadeniz Technical University, Adli Bilimler Enstitüsü, 2020 - Continues
Karadeniz Technical University, Fen Fakültesi, Fizik, 2018 - Continues
Karadeniz Technical University, Fen Fakültesi, 2013 - 2016
Karadeniz Technical University, Fen Bilimleri, 2011 - 2013
Fakülte Kurulu Üyesi, Karadeniz Technical University, Fen Fakültesi, Fizik, 2010 - 2013

Advising Theses

APAYDIN G., Metal Katkılı Hidroksiapatit Yapay Kemik Tozlarının Gama Işını Soğurma Parametrelerinin Hesaplanması ve Elementel Analizi, Doctorate, O.Kağan(Student), 2019
APAYDIN G., Ag-Cu İnce Film Alaşımlarına ait X-ışını Floresans Parametrelerinin EDXRF yöntemiyle ölçülmesi, Postgraduate, K.Karabulut(Student), 2015
APAYDIN G., Farklı Marka Ofis Kağıtlarında XRF Yöntemiyle Element Analizi, Postgraduate, M.YAYLI(Student), 2013
APAYDIN G., Brom İçeren Bazı Schiff Bazı Moleküllerinin Kristal ve Moleküler Yapılarının Deneysel ve Kuramsal Yöntemlerle İncelenmesi, Doctorate, C.ALAŞALVAR(Student), 2013
APAYDIN G., Titanyum ve Türevlerinin XRF Yöntemiyle Kimyasal Etkilerinin Araştırılması, Postgraduate, O.Kağan(Student), 2013
APAYDIN G., Co, Ni, Cu, Zn Komplekslerinin K X-ışını Floresans Parametreleri Üzerine Kimyasal Etkiler, Postgraduate, M.SAYDAM(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The $K\beta/K\alpha$ X-ray intensity ratios of Cu and Ag in Cu-Ag thin alloy films**
Söğüt Ö., Cengiz E., Ayaz D. H., Apaydın G.
APPLIED RADIATION AND ISOTOPES, vol.200, 2023 (SCI-Expanded)
- II. **The effect of metal rate on the gamma shielding parameters of hydroxyapatite at medical treatment energies**
Koksal O., APAYDIN G., Karahan I., Tozar A.
APPLIED RADIATION AND ISOTOPES, vol.190, 2022 (SCI-Expanded)
- III. **Evaluation of ecological risk, source, and spatial distribution of some heavy metals in marine**

sediments in the Middle and Eastern Black Sea region, Turkey

Apaydin A., Kabaoglu H., APAYDIN G., ŞİRİN M., Cengiz E., Koksal O. K., BALTAŞ H., TIRAŞOĞLU E.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.5, pp.7053-7066, 2022 (SCI-Expanded)

- IV. **Determination of L-shell fluorescence parameters of thallium in thallium compounds**
Cengiz E., TIRAŞOĞLU E., APAYDIN G., Koksal O. K.
SPECTROSCOPY LETTERS, vol.54, no.4, pp.274-280, 2021 (SCI-Expanded)
- V. **Elemental Analysis of Tea Leaves (Camellia Sinensis) and Their Own Soils at Eastern Black Sea Region in Turkey**
AKSOY C., Kabaoglu H., Apaydin G., Safi A., Tirasoglu E.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.40, no.4, pp.1315-1320, 2020 (SCI-Expanded)
- VI. **Examination of Polymeric Azomethine Compounds and Their Transition Metal Complexes by Using XRF and XRD Technique**
Söğüt Ö., Kara B. D., APAYDIN G., Cengiz E., Kazancı A.
Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis, vol.40, no.1, pp.328-332, 2020 (SCI-Expanded)
- VII. **Assessment of the mass attenuation parameters with using gamma-rays for manganese substituted nano hydroxyapatite**
Koksal O. K., Apaydin G., Tozar A., Karahan I. H., Cengiz E.
RADIATION PHYSICS AND CHEMISTRY, vol.159, pp.76-80, 2019 (SCI-Expanded)
- VIII. **Determination of valence electronic structure of Ni in Ni-B alloy coatings using K-beta-to-K-alpha X-ray intensity ratios**
Cengiz E., Koksal O. K., APAYDIN G., KARAHAN İ. H., ÜNAL E.
APPLIED RADIATION AND ISOTOPES, vol.144, pp.24-28, 2019 (SCI-Expanded)
- IX. **Elemental analysis for iron, cobalt, copper and zinc decorated hydroxyapatite synthetic bone dusts by EDXRF and SEM**
Koksal O. K., Wrobel P., APAYDIN G., Cengiz E., LANKOSZ M., Tozar A., Karahan I. H., ÖZKALAYCI F.
MICROCHEMICAL JOURNAL, vol.144, pp.83-87, 2019 (SCI-Expanded)
- X. **Chemical Analysis of Hydroxyapatite Artificial Bone Powders by Energy Dispersive X-Ray Fluorescence Spectrometry (EDXRF)**
Koksal O. K., Apaydin G., Cengiz E., Samek L., Karahan I. H., Tozar A., Lankosz M.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.38, no.8, pp.2645-2649, 2018 (SCI-Expanded)
- XI. **Chemical Analysis of Hydroxyapatite Artificial Bone Powders by Energy Dispersive X-Ray Fluorescence Spectrometry (EDXRF)**
KÖKSAL O. K., APAYDIN G., CENGİZ E., SAMEK L., KARAHAN İ. H., TOZAR A., LANKOSZ M.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.38, no.6, pp.2645-2649, 2018 (SCI-Expanded)
- XII. **Examination of the Change of the Characteristic X-Rays of the Zinc in Fluorine- and Boron-Doped ZnO Thin Films**
Sogut O., Kerli S., CENGİZ E., APAYDIN G.
ACTA PHYSICA POLONICA A, vol.133, no.5, pp.1124-1128, 2018 (SCI-Expanded)
- XIII. **K X-ray fluorescence parameters of peripherally and non-peripherally tetra-substituted zinc (II) phthalocyanines**
Cengiz E., DOĞAN M., BIYIKLIOĞLU Z., ÇAKIR D., TIRAŞOĞLU E., APAYDIN G.
CANADIAN JOURNAL OF PHYSICS, vol.95, no.2, pp.125-129, 2017 (SCI-Expanded)
- XIV. **Comparison of elemental analysis for different kind of papers by using energy dispersive X-ray spectrometer**
Yaylı M., Koksal O., APAYDIN G., ŞİRİN M., Cengiz E., BALTAŞ H.
Asian Journal of Chemistry, vol.29, no.6, pp.1301-1307, 2017 (SCI-Expanded)
- XV. **K Shell Fluorescence Parameters by Impact of 5.96 keV Photons on Ti and Its Compounds**
Koksal O. K., APAYDIN G., Cengiz E.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.36, no.12, pp.4125-4129, 2016 (SCI-Expanded)
- XVI. **Experimental study on copper uptake capacity in the Mediterranean mussel (Mytilus**

galloprovincialis)

BALTAS H., DALGIC G., BAYRAK E. Y., SIRIN M., ÇEVİK U., APAYDIN G.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.23, no.11, pp.10983-10989, 2016 (SCI-Expanded)

- XVII. **Measurement of L-III Subshell Absorption Jump Parameters of Hafnium**
CENGİZ E., Sarıtaş N., Dogan M., KÖKSAL O. K., Karabulut K., APAYDIN G., Tıraşoğlu E.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.35, pp.3544-3548, 2015 (SCI-Expanded)
- XVIII. **Molecular structure, quantum mechanical calculation and radical scavenging activities of (E)-4,6-dibromo-2-[(3,5-dimethylphenylimino)methyl]-3-methoxyphenol and (E)-4,6-dibromo-2-[(2,6-dimethylphenylimino)methyl]-3-methoxyphenol compounds**
Alasalvar C., Soylu M. S., Guder A., Albayrak C., APAYDIN G., Dilek N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.130, pp.357-366, 2014 (SCI-Expanded)
- XIX. **Crystal structure, DFT and HF calculations and radical scavenging activities of (E)-4,6-dibromo-3-methoxy-2-[(3-methoxyphenylimino)methyl]phenol**
Alasalvar C., Soylu M. S., Guder A., Albayrak C., APAYDIN G., Dilek N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.125, pp.319-327, 2014 (SCI-Expanded)
- XX. **Examination of CoNiCu thin films by using XRF and XRD**
Sogut O., Donuk C., APAYDIN G., Bakkaloglu O. F.
CANADIAN JOURNAL OF PHYSICS, vol.92, no.5, pp.435-439, 2014 (SCI-Expanded)
- XXI. **Some Element Levels in Moss Samples Collected from the Iğdir-Nahhicevan International Highway, Turkey**
ÖZDEMİR T., BATAN N., Mendil D., APAYDIN G., Cengiz E.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.12, pp.6741-6744, 2013 (SCI-Expanded)
- XXII. **Determination of Trace Elements in Ashes of Milk Samples by Using XRF Technique**
Sogut O., Bali T., BALTAS H., Apaydin G.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.8, pp.4385-4388, 2013 (SCI-Expanded)
- XXIII. **Spectroscopy studies, X-ray diffraction and DFT, HF calculations of 4-allyl-5-(thiophen-2-ylmethyl)-2H-1,2,4-triazol-3(4H)-one**
Alasalvar C., Soylu M. S., ÜNVER Y., APAYDIN G., UNLUER D.
JOURNAL OF MOLECULAR STRUCTURE, vol.1033, pp.243-252, 2013 (SCI-Expanded)
- XXIV. **Structure and anion effect on conductivity and K and L shell fluorescence parameters at green solvents**
Aylikci V., ÜNVER Y., Dugdu E., TIRAŞOĞLU E., Aylikci N. K., Unluer D., SANCAK K., Kahoul A., Dogan M., Cengiz E., et al.
CHEMICAL PHYSICS LETTERS, vol.556, pp.365-371, 2013 (SCI-Expanded)
- XXV. **Determination of K shell fluorescence cross-section and K-beta/K-alpha intensity ratios for Fe, Se, Te, FeSe, FeTe and TeSe**
Saydam M., AKSOY C., Cengiz E., Alasalvar C., TIRAŞOĞLU E., APAYDIN G.
RADIATION PHYSICS AND CHEMISTRY, vol.81, no.12, pp.1837-1841, 2012 (SCI-Expanded)
- XXVI. **Calculation of vacancy transfer probabilities from K to L shell using the X-ray fluorescence parameters**
APAYDIN G., TIRAŞOĞLU E.
RADIATION PHYSICS AND CHEMISTRY, vol.81, no.10, pp.1593-1594, 2012 (SCI-Expanded)
- XXVII. **Updated database and new empirical values for K-shell fluorescence yields**
Kahoul A., Aylikci V., Aylikci N. K., Cengiz E., APAYDIN G.
RADIATION PHYSICS AND CHEMISTRY, vol.81, no.7, pp.713-727, 2012 (SCI-Expanded)
- XXVIII. **Reply to comments on 'The investigations on K and L X-ray fluorescence parameters of gold compounds'**
Cengiz E., Aylikci V., TIRAŞOĞLU E., APAYDIN G.
RADIATION PHYSICS AND CHEMISTRY, vol.81, no.2, pp.143-145, 2012 (SCI-Expanded)

- XXIX. **Chemical effects on the L-shell X-ray fluorescence parameters of Ta and W compounds**
AKSOY C., TIRAŞOĞLU E., Cengiz E., APAYDIN G., Saydam M., Aylikci V., Aylikci N. K.
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol.184, pp.556-560, 2012 (SCI-Expanded)
- XXX. **Measurement of K-shell jump ratios and jump factors for some elements in $76 \leq Z \leq 92$ using EDXRF spectrometer**
KAYA N. S., APAYDIN G., TIRAŞOĞLU E.
RADIATION PHYSICS AND CHEMISTRY, vol.80, no.6, pp.677-681, 2011 (SCI-Expanded)
- XXXI. **K-shell X-ray fluorescence parameters of some heavy elements and compounds**
Cengiz E., TIRAŞOĞLU E., APAYDIN G., Aylikci V., Aylikci N. K., AKSOY C.
RADIATION PHYSICS AND CHEMISTRY, vol.80, no.3, pp.328-334, 2011 (SCI-Expanded)
- XXXII. **Investigation on L-shell X-ray fluorescence parameters for heavy elements and compounds**
CENGİZ E., TIRAŞOĞLU E., Aylikci V., APAYDIN G., Aylikci N. K.
CHEMICAL PHYSICS LETTERS, vol.498, pp.107-112, 2010 (SCI-Expanded)
- XXXIII. **The investigations on K and L X-ray fluorescence parameters of gold compounds**
Cengiz E., TIRAŞOĞLU E., Aylikci V., APAYDIN G.
RADIATION PHYSICS AND CHEMISTRY, vol.79, no.8, pp.809-815, 2010 (SCI-Expanded)
- XXXIV. **Analysis of Metal Contents of Seaweed (*Ulva lactuca*) from Istanbul, Turkey by EDXRF**
APAYDIN G., Aylikci V., Cengiz E., Saydam M., Kup N., TIRAŞOĞLU E.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.10, no.2, pp.215-220, 2010 (SCI-Expanded)
- XXXV. **Chemical Effect on K Shell X-ray Fluorescence Parameters and Radiative Auger Ratios of Co, Ni, Cu, and Zn Complexes**
Cengiz E., BIYIKLIOĞLU Z., AYLIKCI N. K., AYILKCI V., APAYDIN G., TIRAŞOĞLU E., KANTEKİN H.
CHINESE JOURNAL OF CHEMICAL PHYSICS, vol.23, no.2, pp.138-144, 2010 (SCI-Expanded)
- XXXVI. **Alloying effect on K shell X-ray fluorescence parameters and radiative Auger ratios of Co and Zn in Zn_xCo_{1-x} alloys**
Aylikci N. K., TIRAŞOĞLU E., Karahan I. H., Aylikci V., Cengiz E., APAYDIN G.
CHEMICAL PHYSICS LETTERS, vol.484, pp.368-373, 2010 (SCI-Expanded)
- XXXVII. **Analysis of Trace Element Concentrations of Some Lichens of Turkey**
ASLAN A., Apaydin G., YAZICI K., Cengiz E., Aylikci V., TIRAŞOĞLU E.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.1, pp.389-400, 2010 (SCI-Expanded)
- XXXVIII. **Determination of Some Elements in Moss Samples from North Eastern Anatolia, Turkey**
ÖZDEMİR T., Apaydin G., Mendil D., BULUT V. N., Cengiz E., GÜNDOĞDU A., Aylikci V.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.1, pp.346-352, 2010 (SCI-Expanded)
- XXXIX. **Influence of chemical effect on the K-shell X-ray production cross-sections and radiative Auger ratios of Zn complexes**
AYLIKCI V., BIYIKLIOĞLU Z., CENGİZ E., AYLIKCI N. K., APAYDIN G., AKSOY C., TIRAŞOĞLU E., KANTEKİN H.
CHEMICAL PHYSICS, vol.365, no.3, pp.144-149, 2009 (SCI-Expanded)
- XL. **Influence of alloying effect on X-ray fluorescence parameters of Co and Cu in $CoCuAg$ alloy films**
AYLIKCI N. K., TIRAŞOĞLU E., Apaydin G., Cengiz E., Aylikci V., Bakkaloglu O. F.
CHEMICAL PHYSICS LETTERS, vol.475, pp.135-140, 2009 (SCI-Expanded)
- XLI. **Measurement of L subshell fluorescence yields of some elements in the atomic range $75 \leq Z \leq 92$ using photoionization**
Sogut O., APAYDIN G., ŞİMŞEK Ö., CENGİZ E., Saydam M., Kup N., TIRAŞOĞLU E.
RADIATION PHYSICS AND CHEMISTRY, vol.78, no.5, pp.307-310, 2009 (SCI-Expanded)
- XLII. **Studies on mass attenuation coefficients, effective atomic numbers and electron densities for $CoCuAg$ alloy thin film**
APAYDIN G., Cengiz E., TIRAŞOĞLU E., Aylikci V., Bakkaloglu O. F.
PHYSICA SCRIPTA, vol.79, no.5, 2009 (SCI-Expanded)
- XLIII. **Investigation by XRF and XRD of Zn and Fe in Fe_xZn_{1-x} thin films**
Sogut O., Butun H., Karahan I. H., TIRAŞOĞLU E., APAYDIN G.
PHYSICA SCRIPTA, vol.78, no.6, 2008 (SCI-Expanded)

- XLIV. **Influence of Chemical Effect on the K-beta/K-alpha Intensity Ratios and K-beta Energy Shift of Co, Ni, Cu, and Zn Complexes**
 APAYDIN G., AYLIKCI V., BIYIKLIOĞLU Z., TIRAŞOĞLU E., KANTEKİN H.
 CHINESE JOURNAL OF CHEMICAL PHYSICS, vol.21, no.6, pp.591-595, 2008 (SCI-Expanded)
- XLV. **An L(III) (2P(3/2)) subshell absorption jump ratio and jump factor for bismuth**
 KAYA N. S., KOBYA A. I., TIRAŞOĞLU E., APAYDIN G.
 JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.41, no.22, 2008 (SCI-Expanded)
- XLVI. **Chemical effects on K and L shell production cross sections and transfer probabilities in Nb compounds**
 Cengiz E., Aylikci V., KAYA N. S., APAYDIN G., TIRAŞOĞLU E.
 JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.278, no.1, pp.89-96, 2008 (SCI-Expanded)
- XLVII. **Influence of functional group effect on the K-shell X-ray production cross-sections and average fluorescence yields of sulphur in 1,2,4-triazol-5-one compounds containing thiophene**
 Aylikci V., Cengiz E., APAYDIN G., ÜNVER Y., SANCAK K., TIRAŞOĞLU E.
 CHEMICAL PHYSICS LETTERS, vol.461, pp.332-337, 2008 (SCI-Expanded)
- XLVIII. **Determination of K shell X-ray intensity ratios for some heavy elements**
 APAYDIN G., Aylikci V., Cengiz E., KAYA N. S., Kobya Y., TIRAŞOĞLU E.
 RADIATION PHYSICS AND CHEMISTRY, vol.77, no.8, pp.923-927, 2008 (SCI-Expanded)
- XLIX. **Measurement of L shell X-ray production and average L shell fluorescence yields for some heavy elements at 123.6 keV**
 APAYDIN G., Aylikci V., KAYA N. S., CENGİZ E., TIRAŞOĞLU E.
 ACTA PHYSICA POLONICA A, vol.113, no.6, pp.1629-1638, 2008 (SCI-Expanded)
- L. **Investigation of Coster-Kronig transition probabilities (L-1 → L-2, L-1 → L-3, and L-2 → L-3) for Hf and Hf compounds**
 Cengiz E., APAYDIN G., Aylikci V., Kaya N., TIRAŞOĞLU E.
 JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.77, no.5, 2008 (SCI-Expanded)
- LI. **Radioactive contamination in lichens collected from Trabzon and Rize in the Eastern Black Sea Region, Turkey, and a comparison with that of 1995**
 YAZICI K., Ertugral B., DAMLA N., APAYDIN G.
 BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.80, no.5, pp.475-479, 2008 (SCI-Expanded)
- LII. **Determination of K shell absorption jump factors and jump ratios in the elements between Tm(Z=69) and Os(Z=76) by measuring K shell fluorescence parameters**
 KAYA N. S., TIRAŞOĞLU E., APAYDIN G.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.266, no.7, pp.1043-1048, 2008 (SCI-Expanded)
- LIII. **Measurement of angular dependence of M X-ray production cross-sections in Re, Bi and U at 5.96 keV**
 APAYDIN G., TIRAŞOĞLU E., Sogut O.
 EUROPEAN PHYSICAL JOURNAL D, vol.46, no.3, pp.487-492, 2008 (SCI-Expanded)
- LIV. **K shell, L shell-subshell and M shell-subshell photoeffect cross-sections in elements between Tb (Z=65) and U (Z=92) at 123.6 keV**
 KAYA N. S., APAYDIN G., AYLIKCI V., CENGİZ E., TIRAŞOĞLU E.
 RADIATION PHYSICS AND CHEMISTRY, vol.77, no.2, pp.101-106, 2008 (SCI-Expanded)
- LV. **K-shell absorption jump factors and jump ratios in elements between Tm (Z=69) and Os (Z=76) derived from new mass attenuation coefficient measurements**
 Kaya N., Tirasoglu E., Apaydin G., Aylikci V., Cengiz E.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.262, no.1, pp.16-23, 2007 (SCI-Expanded)
- LVI. **Chemical effect on the K and L shell intensity ratios of Hf compounds**
 Aylikci V., Tirasoglu E., Apaydin G., Kaya N., CENGİZ E.

- PHYSICA SCRIPTA, vol.76, no.1, pp.31-36, 2007 (SCI-Expanded)
- LVII. **Chemical effect on the L X-ray cross-sections and average fluorescence yields of Hf compounds**
Aylikci V., Apaydin G., Tirasoglu E., Kaya N., CENGİZ E.
CHEMICAL PHYSICS, vol.332, pp.348-352, 2007 (SCI-Expanded)
- LVIII. **Assesment of trace elements in rainbow trout (*Oncorhynchus mykiss*) cultured in the marine aquaculture cages on the Black Sea Coast**
VEREP B., AKIN S., MUTLU C., APAYDIN G., ERTUGRAL B., Cevik U.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, pp.1005-1011, 2007 (SCI-Expanded)
- LIX. **Measurement of K shell fluorescence cross-section of Ca and K compounds**
Tirasoglu E., Sogut O., TEKBIYIK A., Apaydin G., ERTUGRUL B.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.103, no.2, pp.275-280, 2007 (SCI-Expanded)
- LX. **K-beta/K-alpha X-ray intensity ratios for elements in the range $16 \leq Z \leq 92$ excited by 5.9, 59.5 and 123.6 keV photons**
ERTUGRAL B., APAYDIN G., Cevik U., ERTUGRUL M., KOBYA A. I.
RADIATION PHYSICS AND CHEMISTRY, vol.76, no.1, pp.15-22, 2007 (SCI-Expanded)
- LXI. **Elemental concentration analysis in some plant samples by EDXRF at Trabzon**
Tirasoglu E., Sogut O., Apaydin G., Aylikci V., DAMLA N.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.102, no.3, pp.396-401, 2006 (SCI-Expanded)
- LXII. **Measurements of K shell X-ray production cross sections and fluorescence yields of elements in the atomic number range $65 \leq Z \leq 92$ at 123.6 keV**
Apaydin G., Tıraşoğlu E.
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Activities in Scientific Journals

ALKÜ Fen Bilimleri Dergisi, Committee Member, 2018 - Continues

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Advisory Committee Member, 2017 - Continues

Memberships / Tasks in Scientific Organizations

European X-ray Spectrometry Association (EXSA), Member, 2008 - Continues

Scientific Refereeing

SPECTROSCOPY LETTERS, SCI Journal, September 2021

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PROGRESS IN NUCLEAR ENERGY, SCI Journal, May 2020

Bartın University International Journal of Natural And Applied Sciences (JONAS), National Scientific Refreed Journal, December 2019

Bulletins de l'Institut Scientifique, Other Indexed Journal, October 2019

Radiation Physics and Chemistry, SCI Journal, September 2019

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Marine Pollution Bulletin, SCI Journal, January 2018

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Scientific Research / Working Group Memberships

Ca18212-Molecular Dynamics İn The Gas Phase, Stokholm University, Sweden,

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