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Kişisel Bilgiler

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Eğitim Bilgileri

Yüksek Lisans, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 1998 - 1998

Doktora, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 1990 - 1990

Lisans, Atatürk Üniversitesi, Kâzım Karabekir Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, Türkiye 1982 - 1982

Yabancı Diller

İngilizce, B1 Orta

Araştırma Alanları

Fizik, Atom ve Molekül Fiziği, Atom ve Moleküllerin Elektronik Yapısı Kuramı, Nükleer Fizik, Radyoaktif bozunum ve in-beam spektroskopisi, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 2006 - Devam Ediyor

Dr. Öğr. Üyesi, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 1994 - 2020

Doç. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 2000 - 2006

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- Demonstration of better superconducting performance in a solder with low lead content**
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SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.36, sa.1, 2023 (SCI-Expanded)
- Evaluation of ecological risk, source, and spatial distribution of some heavy metals in marine sediments in the Middle and Eastern Black Sea region, Turkey**
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ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.29, sa.5, ss.7053-7066, 2022 (SCI-Expanded)

- III. **Determination of L-shell fluorescence parameters of thallium in thallium compounds**
Cengiz E., TIRAŞOĞLU E., APAYDIN G., Koksal O. K.
SPECTROSCOPY LETTERS, cilt.54, sa.4, ss.274-280, 2021 (SCI-Expanded)
- IV. **Determination of trace elements in cabbage (*Brassica oleracea* L.var.acephale) and its grown soil at the Black sea region in Turkey**
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- 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.
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- VI. **The semi-empirical determination of KLL Auger, K-alpha 1 and K-alpha 2 X-ray line widths for sulfur atom in new 1,2,4-triazol compounds containing thiophene ring**
AYLIKCI N. K., Sancak K., Aylikci V., Tirasoglu E., Unluer D., Depci T.
CHEMICAL PHYSICS LETTERS, cilt.706, ss.40-46, 2018 (SCI-Expanded)
- VII. **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, cilt.95, sa.2, ss.125-129, 2017 (SCI-Expanded)
- VIII. **Structure Effect on K Shell Fluorescence Parameters at Bis-4-Bromobenzy1-1, 2, 4-Triazol-3-Ones**
Aylikci V., ÜNVER Y., Aylikci N. K., TIRAŞOĞLU E., SANCAK K., LAGAP Z.
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- IX. **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.
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- X. **L shell X-ray fluorescence parameters of Pb in phthalocyanine complexes**
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- XI. **The fluorescence parameters of Zr and Sb compounds**
Aksoy C., DOĞAN M., TIRAŞOĞLU E.
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- XII. **K shell X-ray fluorescence parameters of Co, Ni, Cu and Zn in phthalocyanine complexes**
Dogan M., Cengiz E., Dilber G., Nas A., Tıraşoğlu E., Kantekin H.
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- XIII. **Alloying effect on K-shell fluorescence parameters of porous NiTi shape memory alloys**
Cengiz E., Ozkendir O. M., Kaya M., TIRAŞOĞLU E., Karahan I. H., Kimura S., Hajiri T.
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- XIV. **Traces of Defects in the Electronic Structure of Porous Ni-Ti Alloys**
Ozkendir O. M., Cengiz E., TIRAŞOĞLU E., Kaya M., Karahan I. H., Orhan N.
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- XV. **Structure and anion effect on conductivity and K and L shell fluorescence parameters at green solvents**
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- XVI. **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.
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- XVII. **Calculation of vacancy transfer probabilities from K to L shell using the X-ray fluorescence parameters**

- APAYDIN G., TIRAŞOĞLU E.
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- XVIII. **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.
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- XIX. **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.
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- XX. **Effect of pH treatment on K-shell x-ray intensity ratios and K-shell x-ray-production cross sections in ZnCo alloys**
Aylikci N. K., Aylikci V., Kahoul A., TIRAŞOĞLU E., Karahan I. H., Cengiz E.
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- XXI. **Measurement of K-shell jump ratios and jump factors for some elements in $76 \leq Z \leq 92$ using EDXRF spectrometer**
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- XXII. **K-shell X-ray fluorescence parameters of some heavy elements and compounds**
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- XXIII. **Alloying effect on K X-ray intensity ratios, K X-ray production cross-sections and radiative Auger ratios in superalloys constitute from Al, Ni and Mo elements**
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- XXIV. **Investigation on L-shell X-ray fluorescence parameters for heavy elements and compounds**
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- XXV. **The investigations on K and L X-ray fluorescence parameters of gold compounds**
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- XXVI. **Analysis of Metal Contents of Seaweed (*Ulva lactuca*) from Istanbul, Turkey by EDXRF**
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- XXVII. **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.
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- XXVIII. **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.
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- XXIX. **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, cilt.22, sa.1, ss.389-400, 2010 (SCI-Expanded)
- XXX. **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.
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- XXXI. **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.
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- XXXII. **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.
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- XXXIII. **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.
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- XXXIV. **Investigation by XRF and XRD of Zn and Fe in $\text{Fe}_x\text{Zn}_{1-x}$ thin films**
 Sogut O., Butun H., Karahan I. H., TIRAŞOĞLU E., APAYDIN G.
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- XXXV. **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, cilt.21, sa.6, ss.591-595, 2008 (SCI-Expanded)
- XXXVI. **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.
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- XXXVII. **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.
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- XXXVIII. **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., SANC AK K., TIRAŞOĞLU E.
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- XXXIX. **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.
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- XL. **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, cilt.113, sa.6, ss.1629-1638, 2008 (SCI-Expanded)
- XLI. **Investigation of Coster-Kronig transition probabilities ($L-1 \rightarrow L-2$, $L-1 \rightarrow L-3$, and $L-2 \rightarrow L-3$) for Hf and Hf compounds**
 Cengiz E., APAYDIN G., Aylikci V., Kaya N., TIRAŞOĞLU E.
 JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, cilt.77, sa.5, 2008 (SCI-Expanded)
- XLII. **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, cilt.266, sa.7, ss.1043-1048, 2008 (SCI-Expanded)
- XLIII. **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, cilt.46, sa.3, ss.487-492, 2008 (SCI-Expanded)
- XLIV. **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, cilt.77, sa.2, ss.101-106, 2008 (SCI-Expanded)
- XLV. **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., Aylikçi V., Cengiz E.

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- XLVI. **Chemical effect on the K and L shell intensity ratios of Hf compounds**
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PHYSICA SCRIPTA, cilt.76, sa.1, ss.31-36, 2007 (SCI-Expanded)
- XLVII. **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.
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- XLVIII. **Measurement of K shell fluorescence cross-section of Ca and K compounds**
Tirasoglu E., Sogut O., TEKBIYIK A., Apaydin G., ERTUGRUL B.
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- XLIX. **Elemental concentration analysis in some plant samples by EDXRF at Trabzon**
Tirasoglu E., Sogut O., Apaydin G., Aylikci V., DAMLA N.
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- L. **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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- LI. **Determination of probabilities of vacancy transfer from K to L shell using K X-ray intensity ratios**
ERTUGRAL B., APAYDIN G., TEKBIYIK A., TIRASOGLU E., Cevik U., KOBYA A. İ., ERTUGRUL M.
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- LII. **Determination of trace elements in cole (Brassica oleraceae var. acephale) at Trabzon region in Turkey**
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- LIII. **Total M shell X-ray production cross sections and average fluorescence yields in 11 elements from Tm to U at photon energy of 5.96 keV**
APAYDIN G., TIRASOGLU E., Cevik U., ERTUGRAL B., BALTAS H., ERTUGRUL M., KOBYA A. İ.
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- LIV. **Mass attenuation coefficients of YBaCuO and BiPbSrCaCuO superconductors at 511, 661 and 1274keV energies**
BALTAS H., Cevik U., TIRASOGLU E., ERTUGRAL B., APAYDIN G., KOBYA A. İ.
RADIATION MEASUREMENTS, cilt.39, sa.1, ss.33-37, 2005 (SCI-Expanded)
- LV. **Analysis of elements in some lichens by radioisotope X-ray fluorescence spectrometry**
ASLAN A., BUDAK G., TIRASOGLU E., KARABULUT A., KARAGOZ Y. S., APAYDIN G., ERTUGRAL B., Cevik U.
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- LVI. **Chemical effects on L-alpha, L-beta, L-gamma, L-I, and L-eta X-ray production cross-sections and L-i/L-alpha X-ray intensity ratios of Hg, Pb, and Bi compounds at 59.54 keV**
TIRASOGLU E., Cevik U., ERTUGRAL B., APAYDIN G., ERTUGRUL M., KOBYA A. İ.
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- LVII. **Measurement of diffusion coefficients of Ag in YBa2Cu3O7 by the EDXRF technique**
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- LVIII. **Elemental analysis of Akcaabat tobacco and its ash by EDXRF spectrometry**
Cevik U., ERGEN E., BUDAK G., KARABULUT A., TIRASOGLU E., APAYDIN G., KOPYA A.

- JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, cilt.78, ss.409-415, 2003 (SCI-Expanded)
- LIX. **Measurement of K to L shell vacancy transfer probabilities for the elements $52 \leq Z \leq 68$**
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- LX. **Measurements of L-I, L-alpha, L-eta, L-beta and L-gamma X-ray fluorescence cross-sections in $70 \leq Z \leq 92$ elements excited by 59.543 keV photons**
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- LXI. **Levels of cesium radionuclides in lichens and mosses from the province of Ordu in the Eastern Black Sea area of Turkey**
SAKA A., Cevik U., BACAŞIZ E., KOPYA A., TIRASOGLU E.
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Analysis the Metal Composition of Fish Samples Collected From Karacaören II Dam Lake**
Köksal O. K., Apaydın G., Cengiz E., Şirin M., Baltaş H., Çakmak E., Tıraşoğlu E.
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- II. **Exploration of Seasonal Metal Pollution in Karacaören II Dam Lake Sediment Samples using X-ray Fluorescence Method**
APAYDIN G., KÖKSAL O. K., BALTAŞ H., ŞİRİN M., CENGİZ E., TIRAŞOĞLU E.
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- III. **Analysis of Ca, K and Fe Element in Some Medicinal and Aromatic Plants and Fungal Specimens Growing in Ordu (Mesudiye ve Kabadüz) Plateaus**
AKSOY C., AKSOY H., TIRAŞOĞLU E., ÜÇLER A. Ö.
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- IV. **M Shell Fluorescence Parameters of Pt, Au and Tl Compounds with Oxygen and Bromide**
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- V. **Assessment of natural radioactivity and radiological risk of sediment samples in Karacaören II dam Lake, Isparta/Turkey**
APAYDIN G., KÖKSAL O. K., Cengiz E., TIRAŞOĞLU E., Baltaş H., Karabulut K., SÖĞÜT Ö.
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- VII. **Süperiletken FeySe1-xTex İnce Filmlerin Floresans Şiddet Oranları**
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