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Kişisel Bilgiler

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Araştırma Alanları

Tıp, Sağlık Bilimleri, Dahili Tıp Bilimleri, Nükleer Tıp, Radyasyon Onkolojisi, Fizik, Disiplinlerarası Fizik ve İlgili Bilim ve Teknoloji Alanları, Biyolojik ve tıbbi fizik, Malzeme Bilimi, Nükleer Fizik, Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2017 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **An alternative approach for determining the effective atomic number of some compounds: Monte Carlo study**
Ozsahin M., KALECİK S., TOKER O., KURUCU Y., İÇELLİ O.
Radiation Physics and Chemistry, cilt.215, 2024 (SCI-Expanded)

II. **An investigation on compatibility of experimental effective atomic numbers of some Fe-Ni alloys with those predicted by MCNP**
KALECİK S., YILMAZ D., KURUCU Y., GÜROL A., TOKER O., İÇELLİ O.
RADIATION PHYSICS AND CHEMISTRY, cilt.202, 2023 (SCI-Expanded)

III. **Monte Carlo study on size-dependent radiation enhancement effects of spinel ferrite nanoparticles**
Bilmez B., Toker M. O., TOKER O., İÇELLİ O.
RADIATION PHYSICS AND CHEMISTRY, cilt.199, 2022 (SCI-Expanded)

IV. **A comparative study on applicability and efficiency of machine learning algorithms for modeling gamma-ray shielding behaviors**
Bilmez B., TOKER O., ALP S., ÖZ E., İÇELLİ O.
NUCLEAR ENGINEERING AND TECHNOLOGY, cilt.54, sa.1, ss.310-317, 2022 (SCI-Expanded)

V. **Efficiency analysis of multiple detector effects on MCNP 6.2 simulations**
AKÇALI Ö., TOKER O., Bilmez B., İÇELLİ O.
Progress in Nuclear Energy, cilt.139, 2021 (SCI-Expanded)

VI. **Practical simulation method for determination of effective atomic number from Rayleigh to Compton scattering ratio by MCNP**
TOKER O., Bilmez B., AKÇALI Ö., Özşahin Toker M., İÇELLİ O.
Radiation Physics and Chemistry, cilt.181, 2021 (SCI-Expanded)

VII. **Evaluation of three different glassy composites (quinary matrix designed using $Cr_2O_3/Na_2O/MnO_2$)**

in respect of radiation shielding behaviors
TOKER O., Bilmez B., Toker M. O., KAVANOZ H. B., AKÇALI Ö., YILMAZ M., İÇELLİ O.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, cilt.176, sa.9-10, ss.967-981, 2021 (SCI-Expanded)

VIII. An investigation on gamma-ray shielding properties of quaternary glassy composite (Na2Si3O7/Bi2O3/ B2O3/Sb2O3) by BXCOM and MCNP 6.2 code
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IX. Comparison of ITO and ZnO ternary glassy composites in terms of radiation shielding properties by Monte Carlo N-particle transport code and BXCOM
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RADIATION AND ENVIRONMENTAL BIOPHYSICS, cilt.59, sa.2, ss.283-293, 2020 (SCI-Expanded)

X. Determination of Trace Element Concentrations in Blood Samples and Their Correlation to Breast Cancer
TOPDAĞI Ö., TOKER O., BAKIRDERE S., ÖZ E., Bursalioglu E. O., Abuqbeitah M., Demir M., İÇELLİ O.
ATOMIC SPECTROSCOPY, cilt.41, sa.1, ss.29-35, 2020 (SCI-Expanded)

XI. A novel comprehensive utilization of vanadium slag/epoxy resin/antimony trioxide ternary composite as gamma ray shielding material by MCNP 6.2 and BXCOM
Kavanoz H. B., Akçalı Ö., Toker O., Bilmez B., Çağlar M., İçelli O.
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XII. Radiation interaction parameters for blood samples of breast cancer patients: an MCNP study
Toker O., Caglar M., Öz E., Bakırdere S., Topdağı Ö., Eyecioglu O., İçelli O.
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XIII. BXCOM: a software for computation of radiation sensing
Eyecioglu O., El-Khayatt A. M., KARABUL Y., Caglar M., TOKER O., İÇELLİ O.
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XIV. Determination of Se, Cr, Mn, Zn, Co, Na, and K in Blood Samples of Breast Cancer Patients to Investigate Their Variation Using ICP-MS and ICP-OES
Toker O., Topdağı Ö., Bakırdere S., Bursalıoglu E. O., Öz E., Eyecloglu O., Karabul Y., Çağlar M., İçelli O.
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XV. Correlation between Na/K ratio and electron densities in blood samples of breast cancer patients
Topdağı Ö., Toker O., Bakırdere S., Bursalioglu E. O., Öz E., Eyecioglu O., Demir M., İçelli O.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. An investigetion of ternary composites as gamma ray shielding material by Monte Carlo simulation and BXCOM
Kavanoz H. B., Akçalı Ö., Toker O., Bilmez B., Yılmaz M., Çağlar M., İçelli O.
Eigth Bozok Science Workshop, Yozgat, Türkiye, 25 - 27 Temmuz 2019

II. A Monte Carlo Simulation Study of Na2Si3O7 / Bi2O3 / B2O3 /Sb2O3 quaternary glassy composites for radiation shielding
Akçalı Ö., Kavanoz H. B., Toker O., Bilmez B., Çağlar M., Yılmaz M., İçelli O.
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III. The Device Design for Thin-Film Coating That Combines Different Techniques for High Efficiency
Özşahin M., Toker O., Kılıç M., Bakırdere S., İçelli O.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, Edirne, Türkiye, 5 - 07 Nisan 2019, ss.63-64

IV. Prediction Of Breast Cancer Pattern Using Artificial Neural Network Algorithms
Toker O., Alp S., Topdağı Ö., Eyecioğlu Ö., Beken M., Öz E., İçelli O.
4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Türkiye, 20 - 22 Nisan 2018, ss.78

V. **Classification of breast cancer patients' blood samples using machine learning algorithms**
Toker O., Alp S., Topdağı Ö., Eyecioğlu Ö., Beken M., Öz E., İçelli O.
4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology,
Antalya, Türkiye, 20 - 22 Nisan 2018, ss.79

VI. **Study of electron density via some elements in breast cancer patients' blood samples**
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International Advanced Researches and Engineering Congress, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.2714

VII. **Investigation of the variations in Se, Cr, Mn, Zn, Co, Na, K concentrations in blood samples of breast cancer patients**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.2713

VIII. **Correlation between some elements in breast cancer patients' blood and tissue samples and their electron density**
TOKER O., KARABUL Y., Bursalıoğlu E. O., BAKIRDERE S., Sarıbal D., Eyecioğlu Ö., İÇELLİ O.
International Physics Conference at Anatolian Peak, Erzurum, Türkiye, 25 Şubat 2016, ss.1

IX. **Correlation between ratio of Na K Se Zn K P Cu Zn Se Fe Ca P at breast cancer patients blood samples which exposed to radiation and their electron density**
Toker O., KARABUL Y., BURSALIOGLU E. O., BAKIRDERE S., İÇELLİ O., Saribal Kanber D.
The first International Physics Conference at the Anatolian Peak, Erzurum, Türkiye, 25 Şubat 2016, ss.294

Metrikler

Yayın: 25
Atıf (WoS): 73
Atıf (Scopus): 109
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H-İndeks (Scopus): 4

Kongre ve Sempozyum Katılımı Faaliyetleri

International Advanced Researches and Engineering Congress, Katılımcı, Osmaniye, Türkiye, 2017
International Physics Conference at Anatolian Peak, Katılımcı, Erzurum, Türkiye, 2016