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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: P-9260-2019

Yoksis Araştırmacı ID: 29014

Eğitim Bilgileri

Doktora, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 2005 - 2011

Yüksek Lisans, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 2003 - 2005

Lisans, Süleyman Demirel Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1998 - 2003

Yabancı Diller

İngilizce, C2 Ustalık

Araştırma Alanları

Fizik, Nükleer Fizik, Parçacık fiziği ve nükleer fizikte deneysel yöntemler ve enstrümantasyon, Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Süleyman Demirel Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2010 - Devam Ediyor

Araştırma Görevlisi, Süleyman Demirel Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2004 - 2010

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Performance of NaI(Tl) detector for gamma-ray spectroscopy**
AKKURT İ., Waheed F., AKYILDIRIM H., Gunoglu K.
INDIAN JOURNAL OF PHYSICS, cilt.96, sa.10, ss.2941-2947, 2022 (SCI-Expanded)
- Neutron Shielding for Cf-252 Source: FLUKA Simulations and Measurements**
AKKURT İ., Al-Obaidi S., AKYILDIRIM H., Gunoglu K.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, cilt.46, sa.3, ss.1055-1064, 2022 (SCI-Expanded)
- Role of heavy metal oxides on the radiation attenuation properties of newly developed TBBE-X glasses by computational methods**
Al-Buriah M. S., Alzahrani J. S., Olarinoye I. O., AKYILDIRIM H., Alomairy S., Kebaili I., Tekin H. O., Mutuwong C.

PHYSICA SCRIPTA, cilt.96, sa.7, 2021 (SCI-Expanded)

- IV. **Physical, neutron, and gamma-rays shielding parameters for Na₂O-SiO₂-PbO glasses**
El-Agawany F. I., Mahmoud K. A., AKYILDIRIM H., Yousef E., Tekin H. O., Rammah Y. S.
EMERGING MATERIALS RESEARCH, cilt.10, sa.2, ss.227-237, 2021 (SCI-Expanded)
- V. **Monte Carlo simulation of a NaI(Tl) detector efficiency**
Akkurt İ., Waheed F., Akyıldırım H., Gunoglu K.
RADIATION PHYSICS AND CHEMISTRY, cilt.176, 2020 (SCI-Expanded)
- VI. **Radiation shielding features of zirconolite silicate glasses using XCOM and FLUKA simulation code**
AKYILDIRIM H., KAVAZ E., El-Agawany F., Yousef E., Rammah Y. S.
JOURNAL OF NON-CRYSTALLINE SOLIDS, cilt.545, 2020 (SCI-Expanded)
- VII. **Influence of lead and zinc oxides on the radiation shielding properties of tellurite glass systems**
Alalawi A., Al-Buriah M. S., Sayyed M., Akyıldırım H., Arslan H., Zaid M. H. M., Tonguc B. T.
CERAMICS INTERNATIONAL, cilt.46, ss.17300-17306, 2020 (SCI-Expanded)
- VIII. **Chalcogenide glass-ceramics for radiation shielding applications**
Boukhris I., Al-Buriah M. S., Akyıldırım H., Alalawi A., Kebaili I., Sayyed M.
CERAMICS INTERNATIONAL, cilt.46, ss.19385-19392, 2020 (SCI-Expanded)
- IX. **Evaluation of photon, neutron, and charged particle shielding competences of TeO₂-B₂O₃-Bi₂O₃-TiO₂ glasses**
Rammah Y., KAVAZ E., AKYILDIRIM H., El-Agawany F.
Journal of Non-Crystalline Solids, cilt.535, 2020 (SCI-Expanded)
- X. **Neutron Shielding Calculation for Barite-Boron-Water**
Al-Obaidi S., Akyıldırım H., Gunoglu K., Akkurt İ.
ACTA PHYSICA POLONICA A, cilt.137, ss.551-553, 2020 (SCI-Expanded)
- XI. **Influence of Bi₂O₃/PbO on nuclear shielding characteristics of lead-zinc-tellurite glasses**
Al-Buriah M. S., El-Agawany F., Sriwunkum C., AKYILDIRIM H., Arslan H., Tonguc B. T., El-Mallawany R., Rammah Y. S.
PHYSICA B-CONDENSED MATTER, cilt.581, 2020 (SCI-Expanded)
- XII. **Oxyfluoro-tellurite-zinc glasses and the nuclear-shielding ability under the substitution of AlF₃ by ZnO**
Sayyed M. I., AKYILDIRIM H., Al-Buriah M. S., Lacomme E., Ayad R., Bonvicini G.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.126, sa.2, 2020 (SCI-Expanded)
- XIII. **Olivine mineral used in concrete for gamma-ray shielding**
AKYILDIRIM H.
ARABIAN JOURNAL OF GEOSCIENCES, cilt.12, sa.8, 2019 (SCI-Expanded)
- XIV. **Investigation of Buildup Factor in Gamma-Ray Measurement**
AKYILDIRIM H., WAHEED F., GUNOGLU K., AKKURT İ.
ACTA PHYSICA POLONICA A, cilt.132, sa.3, ss.1203-1206, 2017 (SCI-Expanded)
- XV. **Variation of the Photon Attenuation Coefficients of Pumice Concrete in Different Chemical Media**
AKKURT İ., AKYILDIRIM H., KARİPCİN F.
ASIAN JOURNAL OF CHEMISTRY, cilt.25, sa.6, ss.3279-3281, 2013 (SCI-Expanded)
- XVI. **Photon Attenuation Coefficients of Iron Doped Clay at 662 keV**
AKKURT İ., Mavi B., Gunoglu K., AKYILDIRIM H., Canakci H.
ACTA PHYSICA POLONICA A, cilt.123, sa.2, ss.343-344, 2013 (SCI-Expanded)
- XVII. **Radiation transmission of concrete including pumice for 662, 1173 and 1332 keV gamma rays**
AKKURT İ., AKYILDIRIM H.
NUCLEAR ENGINEERING AND DESIGN, cilt.252, ss.163-166, 2012 (SCI-Expanded)
- XVIII. **Chemical corrosion on gamma-ray attenuation properties of barite concrete**
AKKURT İ., AKYILDIRIM H., KARİPCİN F., Mavi B.
JOURNAL OF SAUDI CHEMICAL SOCIETY, cilt.16, sa.2, ss.199-202, 2012 (SCI-Expanded)
- XIX. **The Effect of Pumice Rate on the Gamma Absorption Parameters of Concrete**
AKKURT İ., AKYILDIRIM H., Mavi B., KILINÇARSLAN Ş., BAŞYİĞİT C.

- ACTA PHYSICA POLONICA A, cilt.121, sa.1, ss.144-146, 2012 (SCI-Expanded)
- XX. **Gamma Ray Attenuation Coefficient of Microalloyed Stainless Steel**
AKKURT İ., AKYILDIRIM H., CALIK A., AYTAR O. B., UÇAR N.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.36, sa.1, ss.145-149, 2011 (SCI-Expanded)
- XXI. **The boronizing effect on the radiation shielding and magnetization properties of AISI 316L austenitic stainless steel**
AKKURT İ., CALIK A., AKYILDIRIM H.
NUCLEAR ENGINEERING AND DESIGN, cilt.241, sa.1, ss.55-58, 2011 (SCI-Expanded)
- XXII. **Neutron irradiation effects on I-V characteristics of Au/n-GaAs Schottky diodes**
AKKURT İ., AKYILDIRIM H., ÖZDEMİR A. F., ALDEMİR D. A.
RADIATION MEASUREMENTS, cilt.45, sa.10, ss.1381-1383, 2010 (SCI-Expanded)
- XXIII. **Gamma-ray shielding properties of concrete including barite at different energies**
AKKURT İ., AKYILDIRIM H., MAVI B., KILINÇARSLAN Ş., BAŞYİĞİT C.
PROGRESS IN NUCLEAR ENERGY, cilt.52, sa.7, ss.620-623, 2010 (SCI-Expanded)
- XXIV. **Radiation shielding of concrete containing zeolite**
AKKURT İ., AKYILDIRIM H., MAVI B., KILINÇARSLAN Ş., BAŞYİĞİT C.
RADIATION MEASUREMENTS, cilt.45, sa.7, ss.827-830, 2010 (SCI-Expanded)
- XXV. **Photon attenuation coefficients of concrete includes barite in different rate**
AKKURT İ., AKYILDIRIM H., MAVI B., KILINÇARSLAN Ş., BAŞYİĞİT C.
ANNALS OF NUCLEAR ENERGY, cilt.37, sa.7, ss.910-914, 2010 (SCI-Expanded)
- XXVI. **Investigation of photon attenuation coefficient for pumice**
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INTERNATIONAL JOURNAL OF THE PHYSICAL SCIENCES, cilt.4, sa.10, ss.588-591, 2009 (SCI-Expanded)
- XXVII. **Natural radioactivity of coals and its risk assessment**
AKKURT İ., MAVI B., AKYILDIRIM H., GUNOGLU K.
INTERNATIONAL JOURNAL OF THE PHYSICAL SCIENCES, cilt.4, sa.7, ss.403-406, 2009 (SCI-Expanded)
- XXVIII. **The effect of boronizing on the radiation shielding properties of steel**
AKKURT İ., CALIK A., AKYILDIRIM H., MAVI B.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, cilt.63, ss.445-447, 2008 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Assessment of Gamma Ray Shielding Properties for Skin**
BOODAGHI MALIDARRE R., TEKİN H. O., GÜNOGLU K., AKYILDIRIM H.
International Journal of Computational and Experimental Science and Engineering, cilt.9, sa.1, ss.6-10, 2023 (Hakemli Dergi)
- II. **Calculation of Fast Neutron Shielding Parameters for Some Essential Carbohydrates**
AKYILDIRIM H.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.12, sa.2, ss.1141-1148, 2019 (Hakemli Dergi)
- III. **Attenuation Parameters and Effective Atomic Numbers of Concretes Containing Pumice for Some Photon Energies by Experiment, Simulation and Calculation**
AKYILDIRIM H.
European Journal of Science and Technology, cilt.14, ss.90-95, 2018 (Hakemli Dergi)
- IV. **Isparta İli nde Radon Gazı Yoğunluğunun Ölçülmesi ve Haritalandırılması**
ÖZKORUCUKLU S., AKYILDIRIM H., ÇAPALI V.
Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü Dergisi, cilt.10, sa.3, ss.323-327, 2006 (Hakemli Dergi)
- V. **Isparta İli nde radon yoğunluk ölçümleri**
ÖZKORUCUKLU S., AKYILDIRIM H., ÇAPALI V.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.10, sa.3, ss.323-327, 2006 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Calculation of Neutron Shielding Properties of Zeolite Concrete**
Alobaidi s., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
ICCESEN-2019, 23 - 27 Ekim 2019
- II. **Determination of the gamma ray attenuation coefficient of magnetite aggregate concretes”**
WAHEED F., GÜNOĞLU K., AKYILDIRIM H., AKKURT İ.
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- III. **A Monte Carlo simulation: To determination the buildup factor**
WAHEED F., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
ICCESEN-2019, 23 - 27 Ekim 2019
- IV. **Modeling of 3” x 3” NaI(Tl) Scintillation Detector System by Monte CarloCode Program**
waheed f., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
ICSuSaT 2019, 5 - 07 Temmuz 2019
- V. **An Experimental Work on the Total Efficiency of Cylindrical ScintillationGamma-Ray Detector**
waheed f., GÜNOĞLU K., AKYILDIRIM H., AKKURT İ.
CSuSaT 2019, 5 - 07 Temmuz 2019
- VI. **Calculation of neutron shielding properties of zeolite concretes**
Alobaidi S., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
6th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2019),
Antalya/Kemer, Türkiye, 23 - 27 Ekim 2019
- VII. **An exprimental work on the total efficiency of cylindrical scintillation gamma-ray detector**
Waheed F., GÜNOĞLU K., AKYILDIRIM H., AKKURT İ.
2nd International Conference on sustainable Science and Technology (ICSuSaT-2019), İstanbul, Türkiye, 5 - 07
Temmuz 2019
- VIII. **The Importance of of Buildup Factor for NaI(Tl) Detector System**
WAHEED F., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
5th International Conference on Computational and EperimentalScience and Engineering (ICCESEN-2018), 12 - 16
Ekim 2018
- IX. **FLUKA calculation of neutron shielding for 252Cf source**
ALOBALDI S., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
5th International Conference on Computational and EperimentalScience and Engineering (ICCESEN-2018), 12 - 16
Ekim 2018
- X. **Variation of Detector Resolution with the Source-Detector Distance**
WAHEED F., GÜNOĞLU K., AKYILDIRIM H., AKKURT İ.
<http://2018.iccesen.org/uploads/2018/proceeding20of20ICCESEN-2018.pdf>, 12 - 16 Ekim 2018
- XI. **FLUKA calculation for neutron shielding from 252Cf source**
AL OBAIDI S., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018), 12 - 16
Ekim 2018
- XII. **Simulation of attenuation parameters and effective atomic numbers of concretes containing pumice
and olivine**
AKYILDIRIM H.
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018),
Antalya/Kemer, Türkiye, 12 - 16 Ekim 2018
- XIII. **An Investigation of Buildup Factor Importance for NaI(Tl) DetectorSystem**
WAHEED F., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018), 12 - 16
Ekim 2018
- XIV. **An Experimental Test for neutron shielding**
AL OBAIDI S., GÜNOĞLU K., AKYILDIRIM H., AKKURT İ.

International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018), 12 - 16 Ekim 2018

- XV. **Calculation of the Mass Attenuation Coefficients, Effective Atomic Numbers and Effective Electron Numbers of Some Concrete Containing Pumice and Barite at Different Ratios**
GÜNOĞLU K., AKYILDIRIM H.
International Conference on Applied Mathematics in Engineering (ICAME), 27 - 29 Haziran 2018
- XVI. **FLUKA Calculation for Neutron Shielding**
AKKURT İ., AL OBAİDİ S., AKYILDIRIM H., GÜNOĞLU K.
1st International Engineering and Technology Symposium (IETS'18), 3 - 05 Mayıs 2018
- XVII. **Attenuation coefficients of concretes containing olivine using Geant4 simulation code for some photon energies**
AKYILDIRIM H., AKKURT İ.
4th international conference on computational and experimental science and engineering (ICCESEN-2017), 4 - 08 Ekim 2017
- XVIII. **Variation of the buildup factor as a function of atomic number for pure single layer materials**
WAHEED F., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2017), Antalya/Kemer, Türkiye, 4 - 08 Ekim 2017
- XIX. **Investigation of radiation shielding properties of some steels**
RWASHDY Q., GÜNOĞLU K., AKYILDIRIM H., AKKURT İ.
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN-2016), Antalya/Kemer, Türkiye, 19 - 24 Ekim 2016
- XX. **Photon shielding properties of concretes containing zeolite mineral by FLUKA MC and XCOM codes**
AKYILDIRIM H., AKKURT İ.
2nd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2015), Antalya, Türkiye, 14 - 19 Ekim 2015
- XXI. **Estimation of photon attenuation coefficients of concrete containing olivine mineral for several energies by FLUKA code**
AKYILDIRIM H., AKKURT İ.
2nd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2015), Antalya, Türkiye, 14 - 19 Ekim 2015
- XXII. **Photon attenuation coefficients of iron doped clay at 662 keV**
AKKURT İ., ERTAN B., GÜNOĞLU K., AKYILDIRIM H., ÇANAKCI H.
International Congress APMAS2012, 26 - 29 Nisan 2012
- XXIII. **The effect of pumice rate on the gamma absorption parameters of concrete**
AKKURT İ., AKYILDIRIM H., ERTAN B., KILINÇARSLAN Ş., BAŞYİĞİT C.
International Congress on Advances in Applied Physics And Material Science (APMAS), 12 - 15 Mayıs 2011
- XXIV. **Neutron irradiation effects on I- V characteristics of Au/n-GaAs Schottky diodes**
AKKURT İ., AKYILDIRIM H., ÖZDEMİR A. F., ALDEMİR D. A.
11th Neutron and Ion Dosimetry Symposium (NEUDOS-11), 12 - 16 Ekim 2009, ss.25
- XXV. **Radiation hazards on electrical properties of Schottky diodes**
AKYILDIRIM H., ALDEMİR D. A., GÜNOĞLU K., ÖZDEMİR A. F., AKKURT İ.
Türk Fizik Derneği 26. Uluslararası Fizik Kongresi, 24 - 27 Ağustos 2009
- XXVI. **Investigation of radiation shielding properties of of some building materials**
AKKURT İ., Mavi B., AKYILDIRIM H., KILINÇARSLAN Ş., BAŞYİĞİT C.
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 26 Ağustos 2006, cilt.899, ss.533
- XXVII. **Investigation of radiation shielding properties of some building materials**
AKKURT İ., AKYILDIRIM H., ÇETİN B., KILINÇARSLAN Ş., BAŞYİĞİT C.
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 28 Ağustos 2006, cilt.899, ss.533

Metrikler

Yayın: 60

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