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Personal Information

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Education Information

Doctorate, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, Turkey 2009 - 2016

Post Graduate, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, Turkey 2006 - 2009

Under Graduate, Dokuz Eylül University, Buca Eğitim Fakültesi, Fizik Öğretmenliği, Turkey 1997 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Reaktörlerde Kullanılan ve Kullanılması Önerilen Çeşitli Blanket ve Zırhların Nötron Yakalama ve Gama Üretim Tesir Kesitlerinin Hesaplanması, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, 2016

Post Graduate, Overlap integrallerinin doğrudan ve tekrarlı bağıntıları ile hesaplanmalarının karşılaştırılması, Selçuk University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, 2009

Research Areas

Physics, Nuclear physics, General Nuclear Reactions, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik, 2018 - Continues

Research Assistant, Van Yüzüncü Yıl University, Fen Fakültesi, Fizik, 2009 - 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. **Borax effect on gamma and neutron shielding features of lithium borate glasses: an experimental and Monte Carlo studies**

Yorgun N., KAVAZ E., Tekin H. O. , SAYYED M., Özdemir Ö. F.

MATERIALS RESEARCH EXPRESS, vol.6, 2019 (Journal Indexed in SCI)

II. **Structural and nuclear radiation shielding properties of bauxite ore doped lithium borate glasses: Experimental and Monte Carlo study**

KAVAZ E., Tekin H. O. , Yorgun N., Özdemir Ö. F. , SAYYED M. I.

RADIATION PHYSICS AND CHEMISTRY, vol.162, pp.187-193, 2019 (Journal Indexed in SCI)

III. **Determining radiological hazards due to the natural radioactivity in building materials used in Van, Turkey**

Yildiz-Yorgun N., GÜR FİLİZ F., Özdemir Ö. F. , Oto B.

Fresenius Environmental Bulletin, vol.27, pp.4448-4454, 2018 (Journal Indexed in SCI Expanded)

IV. **Neutron Cross Section and Emission Spectra Calculations of Na Nucleus**

Arasoglu A., Özdemir Ö. F.

JOURNAL OF FUSION ENERGY, vol.33, pp.731-735, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **39K ve 41K İzotoplarının 0-20 MeV Enerji Aralığında Nötron Reaksiyonları Tesir Kesiti Hesaplamaları**

Yıldız N., Özdemir Ö. F.

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.33-40, 2017 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Phot o neutron Cross Section Calculations for Some Nuclear Reactor Structural Materials**

Özdemir Ö. F. , Arasoğlu A.

4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES, Ağrı, Turkey, 19 - 22 June 2019, pp.80

II. **The Theoretical (n,?) Cross Section Calculations of Selected Structural Materials Used in Nuclear Reactors**

Özdemir Ö. F. , Arasoğlu A.

4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES, Ağrı, Turkey, 19 - 22 June 2019, pp.211-222

III. **Excitation Function of Photo-Neutron Reactions for Selected Isotopes Used in Reactor Structural Materials**

Özdemir Ö. F. , Yıldız N.

1st INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM, Batman, Turkey, 3 - 05 May 2018, pp.61

IV. **Radioactivity concentrations and gamma dose rates in soil samples of metropolitan areas Van, Turkey**

Yıldız N., GÜR FİLİZ F., Tarakçı M., Oto B., Özdemir Ö. F.

Uluslararası ve Disiplinlerarası Çevre ve Edebiyat Sempozyumu, Manisa, Turkey, 1 - 03 November 2017, pp.34

V. **Van Gölü Hidrojeokimyası ve Su Kirliliği Değerlendirmesi**

Aydın H., Öğün E., Aydın F., Selçuk Zorer Ö., Atıcı A. A. , Çavuş A., Özdemir Ö. F. , Bora G., Bozlar Pınaroğlu B., Şen F., et al.

Ulusal Çevre, Deniz ve Kıyı Kirliliği Sempozyumu (UCEDKKS), Bursa, Turkey, 10 - 12 October 2017, vol.000, no.0

VI. **Photo-Neutron Cross Section Calculations of Selected Steel Components**

Özdemir Ö. F. , Yıldız N.

TPS 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.459

VII. **Nuclear Model Calculations of (n,?) Reaction Cross Sections for Some Isotopes in Heavy Concrete**

Özdemir Ö. F. , Yıldız N., Yıldız H., Kartal R.

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.99

VIII. **The (n,?) Cross Section Calculations at 2-20 MeV Energy Range of Some Structural Materials Used in Nuclear Reactors**

Özdemir Ö. F. , Yıldız N., Yıldız H., Kartal R.

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.101

IX. Excitation Functions of Neutron Poison Elements Evaluated Using Pre-Equilibrium and Equilibrium Models

Yıldız N., Kartal R., Özdemir Ö. F. , Yıldız H.

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.98

X. Cross Section Calculation of Neutron Poison Isotopes by Nuclear Reaction Models

Yıldız N., Kartal R., Özdemir Ö. F. , Yıldız H.

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.99

XI. (n,?) Reaction Cross Section Calculations of Some Isotopes Used in Nuclear Applications

Özdemir Ö. F. , Yıldız N., Yıldız H., Kartal R.

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.100

XII. NEUTRON SPECTRUM CALCULATIONS IN APEX FUSION REACTOR WITH FLINABE BLANKET USING MCNPX PROGRAM

Arasoğlu A., Açıköz G., Özdemir Ö. F.

2nd International Conference on Engineering and Natural Sciences, Saray Bosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.603

XIII. Cross Section Calculations of (n,gamma) and (gamma,n) Reactions of Some Isotopes in Steel Used in Nuclear Reactors

Özdemir Ö. F. , Arasoğlu A.

2nd International Conference on Engineering and Natural Sciences, Saray Bosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.654

XIV. Calculation of photo-nuclear reaction cross sections for O-16

Arasoglu A., Özdemir Ö. F.

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT), Osmaniye, Turkey, 23 - 26 April 2015, vol.100

XV. (n,p), (n,2n), (n,d), and (n,alpha) cross-section calculations of O-16 with 0-40 MeV energy neutrons

Özdemir Ö. F. , Arasoglu A.

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT), Osmaniye, Turkey, 23 - 26 April 2015, vol.100

Supported Projects

Öğün E., Bozlar Pınaroğlu B., SOLMAZ H., ELP M., Özdemir Ö. F. , Selçuk Zorer Ö., Şen F., Aydın F., Bora G., Gültekin A., et al., Project Supported by Higher Education Institutions, Van Gölünün Mikrobiyolojik, Kimyasal ve Radyoaktif Kirlilik Düzeyinin Araştırılması, 2014 - 2017

Citations

Total Citations (WOS):19

h-index (WOS):2