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Kişisel Bilgiler

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Eğitim Bilgileri

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1999 - 2001

Yaptığı Tezler

Yüksek Lisans, Design and construction of high voltage charging and triggering systems for TEA CO₂ lasers, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2001

Akademik Unvanlar / Görevler

Uzman, Orta Doğu Teknik Üniversitesi, Rektörlük, 2001 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Electrical, optical and surface characterization of reactive RF magnetron sputtered molybdenum oxide films for solar cell applications**
Mehmood H., BEKTAŞ G., YILDIZ İ., Tauqeer T., Nasser H., TURAN R.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.101, ss.46-56, 2019 (SCI İndekslerine Giren Dergi)
- II. **Co-60 gamma irradiation influences on physical, chemical and electrical characteristics of HfO₂/Si thin films**
KAYA Ş., YILDIZ İ., LÖK R., YILMAZ E.
RADIATION PHYSICS AND CHEMISTRY, cilt.150, ss.64-70, 2018 (SCI İndekslerine Giren Dergi)
- III. **An X-ray photoelectron spectroscopy study on the annealing effects for Al/glass Interface during aluminum induced texturing process**
ÜNAL M., Tankut A., YILDIZ İ., Sokmen I., TURAN R.
THIN SOLID FILMS, cilt.640, ss.38-44, 2017 (SCI İndekslerine Giren Dergi)
- IV. **Graphene/SrTiO₃ hetero interface studied by X-ray photoelectron spectroscopy**
KARAMAT S., KE C., Inkaya U. Y. , AKRAM R., YILDIZ İ., Zaman S. S. , ORAL A.
PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL, cilt.26, sa.4, ss.422-426, 2016 (SCI İndekslerine Giren Dergi)
- V. **Effect of Al vacuum annealing prior to a-Si deposition on aluminum-induced crystallization**
Tankut A., Karaman M., Yıldız İ., Canlı S., Turan R.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, cilt.212, ss.2702-2707, 2015 (SCI İndekslerine Giren Dergi)
- VI. **First look at the physics case of TLEP**
Bicer M., Duran Yıldız H., YILDIZ İ., COIGNET G., DELMASTRO M., ALEXOPOULOS T., GROJEAN C., ANTUSCH S., SEN T., He H., et al.
Journal of High Energy Physics, cilt.2014, sa.1, 2014 (SCI İndekslerine Giren Dergi)

- VII. **Surface morphology and depth profile study of Cd_{1-x}Zn_xTe alloy nanostructures**
Yilmaz E., Tugay E., Aktag A., YILDIZ İ., PARLAK M., TURAN R.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.545, ss.90-98, 2012 (SCI İndekslerine Giren Dergi)
- VIII. **Fabrication of Si nanocrystals in an amorphous SiC matrix by magnetron sputtering**
İMER A., YILDIZ İ., TURAN R.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.42, sa.9, ss.2358-2363, 2010 (SCI İndekslerine Giren Dergi)
- IX. **Evolution of SiO₂/Ge/HfO₂(Ge) multilayer structure during high temperature annealing**
ARSLANTUNALI ŞAHİN D., YILDIZ İ., Gencer A. I., AYGÜN ÖZYÜZER G., Slaoui A., TURAN R.
THIN SOLID FILMS, cilt.518, sa.9, ss.2365-2369, 2010 (SCI İndekslerine Giren Dergi)
- X. **The molecular structure of plasma polymerized thiophene and pyrrole thin films produced by double discharge technique**
GÖKTAŞ H., Ince F. G., Iscan A., YILDIZ İ., Kurt M., KAYA İ.
SYNTHETIC METALS, cilt.159, ss.2001-2008, 2009 (SCI İndekslerine Giren Dergi)
- XI. **Interfacial and structural properties of sputtered HfO₂ layers**
AYGÜN ÖZYÜZER G., YILDIZ İ.
JOURNAL OF APPLIED PHYSICS, cilt.106, sa.1, 2009 (SCI İndekslerine Giren Dergi)
- XII. **PL and XPS depth profiling of Si/Al₂O₃ co-sputtered films and evidence of the formation of silicon nanocrystals**
Dogan I., YILDIZ İ., TURAN R.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.41, sa.6, ss.976-981, 2009 (SCI İndekslerine Giren Dergi)
- XIII. **Depth profile investigations of silicon nanocrystals formed in sapphire by ion implantation**
Yerci S., Yildiz I., KULAKCI M., SERİNCAN U., BAROZZI M., BERSANI M., Turan R.
JOURNAL OF APPLIED PHYSICS, cilt.102, sa.2, 2007 (SCI İndekslerine Giren Dergi)
- XIV. **Spectroscopic modification of the Pippard relation applied for the translational mode in ammonia solid II near the melting point**
Yurtseven H., Yildiz I.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.61, ss.2543-2548, 2005 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Silisyum Güneş Hücrelerinin Veriminin Üstçevrim ile Artırılması için Çift Dalgaboyunda Yansıma Yapabilen Dağılımlı Bragg Yansıtıcı Tasarımı ve Üretimi**
Koç M., YILDIZ İ., YERCI S.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.35, sa.3, ss.3-11, 2019 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Characterization and Enhancement of IR Optical and Tribological Properties of DLC Films Synthesized by RF-PECVD**
TABUROĞLU V. E., YILDIZ İ., ÖZENBAŞ A. M.
2017 MRS Fall Meeting, 26 Kasım - 01 Aralık 2017
- II. **Band alignment measurements of ZnOx/Si, MoOX/Si interfaces by ultraviolet photoelectron spectroscopy for heterojunction silicon**
YILDIZ İ., NASER H., BEKTAŞ G., TURAN R., YERCI S.
E-MRS FALL, Warszawa, Polonya, 17 - 21 Eylül 2017
- III. **GeV energy laser vacuum system and components**

YILDIZ H., YILDIZ İ.

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Türkiye, 10 - 12 Mayıs 2017

- IV. **Effect of Annealing on the Structural, Chemical and Electrical Characteristics of the HfO₂ Thin Films**
KAYA Ş., LÖK R., AKTAĞ A., KARAÇALI H., YILDIZ İ., YILMAZ E.
Cost To-Be Spring Meeting 2017, Lüksemburg, 3 - 05 Nisan 2017
- V. **Using Ultraviolet Photoelectron Spectroscopy Measurement and Calculation of the Valance Band Maximum and Work Function Value of the Materials**
YILDIZ İ.
TESNAT - International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Hatay, Türkiye, 28 - 30 Nisan 2016
- VI. **Special Vacuum Conditions of Linear Accelerator Systems**
YILDIZ İ., YILDIZ H.
TESNAT 2016 - International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Hatay, Türkiye, 28 - 30 Nisan 2016
- VII. **Vacuum System Design and Calculations of Electron Gun System**
YILDIZ İ., YILDIZ H.
IV. YUKPOP International Vacuum Workshop, Hatay, Türkiye, 28 - 30 Nisan 2016
- VIII. **X-ray Photoelectron Spectroscopy and it's Various Applications for Different Materials**
YILDIZ İ.
TESNAT 2016 - International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Hatay, Türkiye, 28 - 30 Nisan 2016
- IX. **Structural and optical properties of Al₂O₃ with Si and Ge nanocrystals**
YERCİ S., YILDIZ İ., SEYHAN A., KULAKCI M., SERİNCAN U., SHANDALOV M., GOLAN Y., TURAN R.
Group IV Semiconductor Nanostructures-2006, 27 Kasım - 01 Aralık 2006, cilt.958, ss.105-111

Atıflar

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