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Education Information

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (Dr), Turkey
1999 - 2001

Dissertations

Post Graduate, Design and construction of high voltage charging and triggering systems for TEA CO₂ lasers, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (Dr), 2001

Academic Titles / Tasks

Expert, Middle East Technical University, Presidency Office, 2001 - Continues

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

- 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.
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- II. **Co-60 gamma irradiation influences on physical, chemical and electrical characteristics of HfO₂/Si thin films**
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- III. **An X-ray photoelectron spectroscopy study on the annealing effects for Al/glass Interface during aluminum induced texturing process**
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- V. **Effect of Al vacuum annealing prior to a-Si deposition on aluminum-induced crystallization**
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- VI. **First look at the physics case of TLEP**
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- VII. **Surface morphology and depth profile study of Cd_{1-x}Zn_xTe alloy nanostructures**
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- VIII. **Fabrication of Si nanocrystals in an amorphous SiC matrix by magnetron sputtering**
İMER A., YILDIZ İ., TURAN R.
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- 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, vol.518, no.9, pp.2365-2369, 2010 (Journal Indexed in SCI)
- X. **The molecular structure of plasma polymerized thiophene and pyrrole thin films produced by double discharge technique**
GÖKTAŞ H., Ince F. G., İscan A., YILDIZ İ., Kurt M., KAYA İ.
SYNTHETIC METALS, vol.159, pp.2001-2008, 2009 (Journal Indexed in SCI)
- XI. **Interfacial and structural properties of sputtered HfO₂ layers**
AYGÜN ÖZYÜZER G., YILDIZ İ.
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- XII. **PL and XPS depth profiling of Si/Al₂O₃ co-sputtered films and evidence of the formation of silicon nanocrystals**
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- XIII. **Depth profile investigations of silicon nanocrystals formed in sapphire by ion implantation**
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- XIV. **Spectroscopic modification of the Pippard relation applied for the translational mode in ammonia solid II near the melting point**
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Articles Published in Other Journals

- I. **Silisyum Güneş Hücrelerinin Veriminin Üstçevrim ile Artırılması için Çift Dalgaboyunda Yansıma Yapabilen Dağılımlı Bragg Yansıtıcı Tasarımı ve Üretimi**
Koç M., YILDIZ İ., YERCİ S.
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Refereed Congress / Symposium Publications in Proceedings

- 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.
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- II. **Band alignment measurements of ZnO_x/Si, MoO_x/Si interfaces by ultraviolet photoelectron spectroscopy for heterojunction silicon**
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- III. **GeV energy laser vacuum system and components**
YILDIZ H., YILDIZ İ.
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- IV. **Effect of Annealing on the Structural, Chemical and Electrical Characteristics of the HfO₂ Thin Films**
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Cost To-Be Spring Meeting 2017, Luxembourg, 3 - 05 April 2017
- V. **Using Ultraviolet Photoelectron Spectroscopy Measurement and Calculation of the Valance Band Maximum and Work Function Value of the Materials**
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TESNAT - International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Hatay, Turkey, 28 - 30 April 2016
- VI. **Special Vacuum Conditions of Linear Accelerator Systems**
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- VII. **Vacuum System Design and Calculations of Electron Gun System**
YILDIZ İ., YILDIZ H.
IV. YUKPOP International Vacuum Workshop, Hatay, Turkey, 28 - 30 April 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, Turkey, 28 - 30 April 2016
- IX. **Structural and optical properties of Al₂O₃ with Si and Ge nanocrystals**
YERCI S., YILDIZ İ., SEYHAN A., KULAKCI M., SERİNCAN U., SHANDALOV M., GOLAN Y., TURAN R.
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Citations

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