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Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2002 - 2008

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 1997 - 2002

Under Graduate, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1993 - 1997

Dissertations

Doctorate, Arabant yapılı güneş pillerinde verim optimizasyonu, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2008

Post Graduate, Beş eksenli bir robot kolunun ters kinematik hesaplamalarının ve yörünge planlamasının yapılması, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2002

Academic Titles / Tasks

Assistant Professor, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2009 - 2016

Assistant Professor, University of California, Los Angeles, Ee Faculty, Electrical Engineering, 2011 - 2012

Research Assistant, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2003 - 2009

Lecturer, Cankiri Karatekin University, Meslek Yüksekokulu, Elektronik Ve Otomasyon Bölümü, 1998 - 2003

Professional Experience

Deputy Head of Department, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2009 - 2013

Advising Theses

NAVRUZ T. S. , Otomatik Araçlar İçin Radyofar Temelli Yön Bulma, Post Graduate, M.SUBAŞIAY(Student), 2019

NAVRUZ T. S. , Efficiency Analysis In Solar Cells Made Of Different Semiconductor Materials, M.Korun(Student), 2016

NAVRUZ T. S. , Farklı yarı iletken malzemelerle üretilmiş güneş pillerinde verim analizi, Post Graduate, M.KORUN(Student), 2016

NAVRUZ T. S. , Developing A Lambda Architecture For Big Data Processing Applications, M.Umut(Student), 2015

NAVRUZ T. S. , Longitudinal And Lateral Control For Unmanned Ground Vehicles, Post Graduate, A.NURİ(Student), 2015

NAVRUZ T. S. , Büyük veri uygulamaları için bir lamda mimari geliştirilmesi, Doctorate, M.UMUT(Student), 2015

NAVRUZ T. S. , Efficiency optimization using detailed balance method in multi-junction solar cells, Post Graduate, G.ŞENAY(Student), 2011

NAVRUZ T. S. , DESIGN AND CONSTRUCTION OF AN PC CONTROL SOLAR TRACKING SYSTEM., Post Graduate, F.A. (Student), 2011

NAVRUZ T. S. , Modelling intermediate band solar cell using finite difference method, Post Graduate, M.BÜYÜKBAŞ(Student), 2011

NAVRUZ T. S. , Termal görüntüleme sistemlerinde görüntü simülasyonu, Post Graduate, A.CANPOLAT(Student), 2011

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

- I. **Comparison of three IBSCs in terms of photo-filling, capture cross section of carriers, the concentration of IB states and overlapping of absorption coefficients in the wide range of band gaps including GaAs**
KIZILOĞLU V., NAVRUZ T. S. , Saritas M.
Optik, vol.225, 2021 (Journal Indexed in SCI Expanded)
- II. **Modeling lattice-matched InP-based multijunction solar cells**
NAVRUZ T. S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.2, pp.1010-1020, 2017 (Journal Indexed in SCI)
- III. **Determination of the optimum material parameters for intermediate band solar cells using diffusion model**
NAVRUZ T. S. , Saritas M.
PROGRESS IN PHOTOVOLTAICS, vol.22, no.5, pp.593-602, 2014 (Journal Indexed in SCI)
- IV. **GaSb/InGaAs quantum dot-well hybrid structure active regions in solar cells**
Laghumavarapu R. B. , Liang B. L. , Bittner Z. S. , NAVRUZ T. S. , Hubbard S. M. , Norman A. , Huffaker D. L.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.114, pp.165-171, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Inverse Kinematics Calculations and Trajectory Planning of Edubot robot arm with five axes**
TONBUL T. S. , SARITAŞ M.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.18, no.1, pp.145-167, 2003 (Other Refereed National Journals)

Books & Book Chapters

- I. **Intermediate Band Solar Cells and the Variation of Efficiency Due to the Overlap between Absorption Coefficients**
NAVRUZ T. S. , SARITAŞ M.
in: Physics of nanostructured solar cell Chapter 6, Viorel Badescu, Marius Paulescu, Editor, Nova Publishers, New York, pp.143-164, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Size Dependent Intermediate Band Energy Levels and Absorption of Bound States in Box Shaped Quantum Dots**
KIZILOĞLU V., NAVRUZ T. S. , Saritas M.
International Conference on Photovoltaic Technologies (PVCon), Ankara, Turkey, 4 - 06 July 2018
- II. **The Efficiency Variation in IBSCs Due to the Occupation Factor of IB Level**
KIZILOĞLU V., NAVRUZ T. S. , SARITAŞ M.
SOLARTR 2014 CONFERENCE EXHIBITION, 19 - 21 November 2014
- III. **Longitudinal and Lateral Control for Unmanned Ground Vehicles**

SOMUNCUOĞLU A. N. , NAVRUZ T. S.

ISITES 2014, Karabük, Turkey, 18 - 20 June 2014, pp.520-529

- IV. **GaSb/InGaAs Quantum Dot-Well Solar Cells**
Laghumavarapu R. B. , Liang B. L. , Bittner Z., NAVRUZ T. S. , Hubbard S. M. , Norman A., Huffaker D. L.
39th IEEE Photovoltaic Specialists Conference (PVSC), Tama, Japan, 16 - 21 June 2013, pp.292-295
- V. **Image simulation in thermal imaging systems**
Canpolat A., NAVRUZ T. S.
EEMG, Ankara, September, 2011., Ankara, Turkey, 29 September - 01 October 2011, pp.86-89
- VI. **TARİH VE ZAMAN TABANLI GÜNEŞ TAKİP SİSTEMİ**
Fathi H., NAVRUZ T. S.
EEMG, Ankara, September, 2011, Ankara, Turkey, 29 September - 01 October 2011, pp.34-38
- VII. **P N Eklem Güneş Pillerinde Auger Etkisinin Detaylı Denge Modeli ile İncelenmesi**
NAVRUZ T. S.
4. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 28 - 29 April 2011, pp.244-249
- VIII. **The Effect of Overlap between Absorption Coefficients on the Variation of Current Densities in Intermediate Band Solar Cells**
NAVRUZ T. S.
ELECO'2009 International Conference on Electrical Electronics Engineering, Bursa, Turkey, 5 - 08 November 2009, vol.1, pp.19-23
- IX. **The effect of Auger mechanism on the efficiency of the intermediate band solar cell**
NAVRUZ T. S. , SARITAŞ M.
22nd European Photovoltaic Solar Energy Conference 2007, Milan, Italy, 3 - 07 September 2007, pp.641-647
- X. **Intermediate Band Solar Cells**
NAVRUZ T. S. , SARITAŞ M.
ELECO'2005 International Conference on Electrical Electronics Engineering, Bursa, Turkey, 7 - 11 December 2005, vol.2, pp.51-54
- XI. **Beş eksenli bir robot kolunda ters kinematik hesaplamalar ve yörünge planlaması**
TONBUL T. S. , SARITAŞ M.
ELECO 2002, Bursa, Turkey, 18 - 22 December 2002, pp.173-177

Citations

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