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Personal Information

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Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri, Fizik, Turkey 2004 - 2010

Masters (Non-Thesis), Van Yüzüncü Yil University, Eğitim Bilimleri, Orta Öğretim Fen Ve Mat. Alanları, Turkey 2002 - 2003

Undergraduate, Gazi University, Fen Fak, Fizik, Turkey 1997 - 2002

Associate Degree, Selcuk University, Sağlık Meslek Yüksekokulu, Tıbbi Laboratuvar, Turkey 1994 - 1996

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, SiC film Üretimi (4 ay), PV center, 2008

Dissertations

Doctorate, Si Nanocrystals in SiC matrix and Infrared Spectroscopy of nanocrystals in a Dielectric Matrix, Middle East Technical University, Fen Bilimleri, Fizik, 2010

Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Natural Sciences

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Fizik Bölümü, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Fizik Bölümü, 2011 - 2017

Research Assistant PhD, Van Yüzüncü Yil University, Fen Fakültesi, Fizik Bölümü, 2010 - 2011

Research Assistant, Middle East Technical University, Fen Fak, Fizik, 2003 - 2010

Academic and Administrative Experience

Courses

nanoyapların optik karakterizasyonu, Postgraduate, 2014 - 2015, 2015 - 2016
Yoğun Madde Fiziği II, Undergraduate, 2014 - 2015, 2015 - 2016
genel fizik I, Undergraduate, 2015 - 2016
Yogun Madde Fiziği II, Undergraduate, 2014 - 2015
Güneş enerjisinde nanoyapı malzemeler, Postgraduate, 2014 - 2015
genel fizik I, Undergraduate, 2015 - 2016
Yogun Madde Fiziği I, Postgraduate, 2015 - 2016

Advising Theses

İmer A. G. , Dimetil Sarısı Arayüzey Kalınlığının Heteroeklem Aygıtların Elektriksel Parametreleri Üzerine Etkisinin İncelenmesi, Postgraduate, O.KARADUMAN(Student), 2017
İmer A. G. , Kinolin sarısı bileşenli heteroeklemlerin elektriksel parametrelerinin incelenmesi, Postgraduate, A.uğur(Student), 2015

Jury Memberships

Post Graduate, tez savunma, Fen Bilimleri, September, 2015
Post Graduate, Tez Savunma, Fen Bilimleri, June, 2015
Doctorate, doktora tezi, Fen Bilimleri , April, 2015

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

- I. **Improved efficiency in dye sensitized solar cell (DSSC) by nano-MIL-101(Cr) impregnated photoanode**
Uğur A., İmer A. G. , Kaya E., Karataş ., Gülcan M.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.77, no.1, pp.93-104, 2022 (Journal Indexed in SCI)
- II. **Dye sensitized solar cell-based optoelectronic device using novel [Ru(L1)(L2)(NCS)(2)] complex**
DAYAN O., İmer A. G. , TERCAN YAVAŞOĞLU M., DERE A., Al-Sehemi A. G. , Al-Ghamdi A. A. , YAKUPHANOĞLU F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1238, 2021 (Journal Indexed in SCI)
- III. **Physical properties of ultrasonically spray deposited Yttrium-doped SnO₂ nanostructured films: supported by DFT study**
Kaya E., Uğur A., Gencer İmer A., Aycibin M., Ocak Y. S.
Applied Physics A: Materials Science and Processing, vol.127, no.4, 2021 (Journal Indexed in SCI)
- IV. **Illumination impact on the electrical characteristics of Au/Sunset Yellow/n-Si/Au hybrid Schottky diode**
İmer A. G. , Kaya E., Dere A., Al-Sehemi A. G. , Al-Ghamdi A. A. , Karabulut A., Yakuphanoglu F.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.17, pp.14665-14673, 2020 (Journal Indexed in SCI)
- V. **Effects of the r-GO doping on the structural, optical and electrical properties of CdO nanostructured films by ultrasonic spray pyrolysis**
İmer A. G. , Gülcan M., Çelebi M., Tombak A., Ocak Y. S.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.3, pp.2111-2121, 2020 (Journal Indexed in SCI)

- VI. **Photoresponsivity and photodetectivity properties of copper complex-based photodiode**
DAYAN O., İmer A. G. , Al-Sehemi A. G. , ÖZDEMİR N., Dere A., Serbetci Z., Al-Ghamdi A. A. , Yakuphanoglu F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (Journal Indexed in SCI)
- VII. **Interface controlling study of silicon based Schottky diode by organic layer**
İmer A. G. , Korkut A., Farooq W. A. , Dere A., Atif M., Hanif A., Karabulut A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, pp.19239-19246, 2019 (Journal Indexed in SCI)
- VIII. **Photosensing properties of ruthenium(II) complex-based photodiode**
İmer A. G. , DERE A., Al-Sehemi A. G. , DAYAN O., ŞERBETÇİ Z., Al-Ghamdi A. A. , YAKUPHANOĞLU F.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.3, 2019 (Journal Indexed in SCI)
- IX. **Synthesis, Characterization, DFT Studies, and Photodiode Application of Azo-azomethine-Based Ligand and Its Transition-Metal Complexes**
Tombak A., İmer A. G. , Syan R. H. B. , Gülcan M., Gümüş S., OCAK Y. S.
JOURNAL OF ELECTRONIC MATERIALS, vol.47, no.12, pp.7240-7250, 2018 (Journal Indexed in SCI)
- X. **The novel pyridine based symmetrical Schiff base ligand and its transition metal complexes: synthesis, spectral definitions and application in dye sensitized solar cells (DSSCs)**
İmer A. G. , Syan R. H. B. , Gulcan M., Ocak Y. S. , Tombak A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.2, pp.898-905, 2018 (Journal Indexed in SCI)
- XI. **Controlling of the photosensing properties of Al/DMY/p-Si heterojunctions by the interface layer thickness**
İmer A. G. , Karaduman O., Yakuphanoglu F.
SYNTHETIC METALS, vol.221, pp.114-119, 2016 (Journal Indexed in SCI)
- XII. **Effect of Light Intensity and Temperature on the Current Voltage Characteristics of Al/SY/p-Si Organic-Inorganic Heterojunction**
İmer A. G. , OCAK Y. S.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.10, pp.5347-5355, 2016 (Journal Indexed in SCI)
- XIII. **Investigation of Al doping concentration effect on the structural and optical properties of the nanostructured CdO thin film**
Gencer İmer A. G.
Superlattices and Microstructures, vol.92, pp.278-284, 2016 (Journal Indexed in SCI)
- XIV. **Electrical and photoelectrical characterization of an organic-inorganic heterojunction based on quinoline yellow dye**
Ugur A., İmer A. G. , OCAK Y. S.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.39, pp.569-574, 2015 (Journal Indexed in SCI)
- XV. **Electrical characteristics of organic/inorganic Pt(II) complex/p-Si semiconductor contacts**
İmer A. G. , Temirci C., Gülcan M., Sonmez M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.28, pp.31-36, 2014 (Journal Indexed in SCI)
- XVI. **Fabrication of Si nanocrystals in an amorphous SiC matrix by magnetron sputtering**
Gencer İmer A. G. , YILDIZ İ., TURAN R.
Physica E: Low-Dimensional Systems and Nanostructures, vol.42, no.9, pp.2358-2363, 2010 (Journal Indexed in SCI)
- XVII. **Evolution of SiO₂/Ge/HfO₂(Ge) multilayer structure during high temperature annealing**
Sahin D., YILDIZ İ., Gencer A. G. , Aygun G., Slaoui A., TURAN R.
THIN SOLID FILMS, vol.518, no.9, pp.2365-2369, 2010 (Journal Indexed in SCI)
- XVIII. **Evolution of vibrational modes of SiO₂ during the formation of Ge and Si nanocrystals by ion implantation and magnetron sputtering**
Gencer İmer A., YERÇİ S., Alagoz A., Kulakci M., Serincan U., Finstad T., TURAN R.
Journal of Nanoscience and Nanotechnology, vol.10, no.1, pp.525-531, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Yarıiletkeni Işıklı Etkileşen Pd/n-GaP Schottky Diyotun Elektriksel Sığa Değişimi Üzerine**
Korkut A., İmer Gencer A., İmer A. G.
Fırat Üniversitesi Fen Bilimleri Dergisi, vol.29, no.2, pp.1-6, 2017 (National Refreed University Journal)
- II. **Effect of Illumination on the Photovoltaic Parameters of Al/p-Si Diode with an Organic Interlayer Prepared by Spin Coating Method**
İmer A. G., Tombak A., Korkut A.
Süleyman Demirel Üniversitesi Fen Bilimleri Dergisi, vol.21, no.1, pp.153-157, 2017 (National Refreed University Journal)

Books & Book Chapters

- I. **Characterization of Si nanocrystals**
yerci s., dogan i., seyhan a., İmer A. G., turan r.
in: Silicon Nanocrystals: Fundamentals, Synthesis and Applications, Pavessi L., Turan R, Editor, Wiley-Vch Verlag GmbH & Co. Kga, Wiley-Vch Verlag Weinheim GmbH, Berlin, pp.583-611, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **The investigation of the fundamental electrical parameters of Ag/n-Si hybrid structure based on functional organic dye**
Mahmood O. H., İmer A. G., Ugur A., Korkut A.
2nd International Congress on Semiconductor Materials and Devices (ICSMD), Ardahan, Turkey, 28 - 30 August 2018, vol.46, pp.6966-6970
- II. **The effect of tin doping level on the physical properties and photocatalytic degradation of cadmium oxide nanostructured film**
İmer A. G., Mahmood O. H., Kaya E., Ocak Y. S.
2nd International Congress on Semiconductor Materials and Devices, ICSMD 2018, Ardahan, Turkey, 28 - 30 August 2018, vol.46, pp.6960-6965
- III. **Organik Arayüzeyin Au/n-Si Aygıtın Engel Yüksekliğine Etkisi**
İmer A. G., Kaya E.
5th International Science and Engineering Conference (ISPEC 2019), Van, Turkey, 20 - 22 December 2019, vol.1, pp.459-465
- IV. **The photoelectrical property of photodiode based on organic interlayer**
İmer A. G., Ugur A.
5th International Science and Engineering Conference (ISPEC 2019), Van, Turkey, 20 - 22 December 2019, vol.1, pp.466-470
- V. **Metal Katkılama ile İnce Filmin Optik Enerji Aralığının Modifikasyonu**
Kaya E., İmer A. G.
5th International Science and Engineering Conference (ISPEC 2019), Van, Turkey, 20 - 22 December 2019, vol.1, pp.451-458
- VI. **The effect of Organic Layer on the Electrical Properties of Heterojunction Device**
İmer A. G., omarbli s.
5th International Science and Engineering Conference (ISPEC 2019), Van, Turkey, 20 - 22 December 2019, vol.1, pp.444-450
- VII. **Fonksiyonel Organik Malzeme Bileşenli Hibrit Aygıtın Elektriksel Parametrelerinin Belirlenmesi**
İmer A. G., Aycibin M.
2ND INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 28 -

29 June 2019, pp.139-145

- VIII. **Ab-initio Study of Physical Properties of TbMn₂O₆**
Aycibin M., İmer A. G. , Korkut A.
2ND INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 28 - 29 June 2019, pp.131-135
- IX. **Schottky Diyodun Arayüzeyine Paralel Magnetik Alan Uygulandığında Tükenim Uzunluğu Farkının Tükenim Zaman Sabiti**
Korkut A., Aycibin M., İmer A. G.
4th International Conference on Advance in Natural & Applied Science chemistry (ICANAS 2019), Ağrı, Turkey, 19 - 21 June 2019, vol.3, pp.174-177
- X. **About Depletion Time Constant of Differential Deplation Region: when the Paralel Magnetic Field Applied to İnterface of Shottky Diode**
Korkut A., İmer A. G. , Aycibin M.
4th International Conference on Advance in Natural & Applied Science chemistry (ICANAS 2019), Ağrı, Turkey, 19 - 21 June 2019, pp.32-36
- XI. **A theoretical study on Optical Properties of Y doped SnO₂**
Aycibin M., İmer A. G.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES, Ağrı, Turkey, 19 - 22 June 2019, pp.135
- XII. **SCHOTTKY DİYOTLARIN SERİ DİRENCİNİN BAZI YÖNTEMLERLE KARŞILAŞTIRILMASI**
Korkut A., İmer A. G.
1. ULUSLARARASI İĞDIR MULTİ DİSİPLİNER ÇALIŞMALAR KONGRESİ, Iğdır, Turkey, 6 - 07 November 2018, pp.1298-1305
- XIII. **p-Si/SnEklemin Elektriksel Parametrelerinin Fonksiyonel Boya İnce Film İle Kontrol Edilmesi**
Korkut A., İmer A. G.
1. ULUSLARARASI İĞDIR MULTİ DİSİPLİNER ÇALIŞMALAR KONGRESİ, Iğdır, Turkey, 6 - 07 November 2018, pp.1306-1311
- XIV. **The Photocatalytic degradation of Methylen Blue Dye by Pure and Tin Doped Cadmium**
mahmood o., İmer A. G. , ocak y. s. , tombak a.
INTERNATIONAL CONGRESS ON SEMICONDUCTOR MATERIALS AND DEVICES, Ardahan, Turkey, 28 - 30 August 2018, vol.1, pp.41-46
- XV. **The Comparative Study on the Electrical Parameters of Ag/n-Si and Hybrid structure based on Organic Interlayer**
Mahmood O., İmer A. G. , Korkut A.
international conferance on physical chemistry and functional materials, Ardahan, Turkey, 28 - 30 August 2018, vol.1, pp.47-51
- XVI. **The graphene oxide doped zno nanostructured films prepared by ultrasonic spray pyrolysis**
ugur a., İmer A. G. , omarbli s., mahmood o., ocak y. s.
international conferance on physical chemistry and functional materials, Elazığ, Turkey, 19 - 21 June 2018, vol.1, pp.17
- XVII. **What Does the Rectification Number (Coefficient) Explain To the Schottky Diode?**
İmer A. G. , Korkut A.
international conferance on physical chemistry and functional materials, Elazığ, Turkey, 19 - 21 June 2018, vol.1, pp.129
- XVIII. **The electrical Parameters of Al/TB/p-Si heterojunction Device**
ugur a., İmer A. G. , mahood o., omarbly s., ocak y. s.
international conferance on physical chemistry and functional materials, Elazığ, Turkey, 19 - 21 June 2018, vol.1, pp.67
- XIX. **The effcet of tin Doping on the physical Properties of CdO nanostructured Film**
İmer A. G. , tombak a., ocak y. s.
international conferance on physical chemistry and functional materials, Elazığ, Turkey, 19 - 21 June 2018, pp.72-

- XX. **The effect of yttrium doping concentration on the structural properties of sno nanostructured films**
İmer A. G. , Kaya E., Ocak Y. S.
international conference on physical chemistry and functional materials, Elazığ, Turkey, 19 - 21 June 2018, vol.1, pp.68
- XXI. **The effect of illumination intensities on photoelectrical parameters of Al/Ga/p-Si heterojunction device**
Uğur A., İmer A. G. , Ocak Y. S.
international conference on physical chemistry and functional materials, Elazığ, Turkey, 19 - 21 June 2018, vol.1, pp.174-178
- XXII. **Fabrication and Characterization of Reduced Graphene Oxide (r-GO) Doped CdO Nanostructured Films by Ultrasonically Sprayed Pyrolysis and Its Schottky Diode Applications***
Gülcan M., İmer A. G. , Çelebi M., OCAK Y. S. , Tombak A.
8th International Advanced Technologies Symposium (IATS2017), Elazığ, Turkey, 19 - 22 October 2017
- XXIII. **The Effect of GO Doping on The Electrical Properties of the High Frequency Ag/GO: CdO/p-Si Devices**
İmer A. G. , Korkut A., Tombak A.
INTERNATIONAL CONGRESS ON SEMICONDUCTOR MATERIALS AND DEVICES, Konya, Turkey, 17 - 19 August 2017, pp.77
- XXIV. **Laterally Inhomogeneous Barrier Analysis of Al/p-Si Organic-Inorganic Heterojunction with Inserting TB Thin Film**
İmer A. G. , Korkut A., Ocak Y.
INTERNATIONAL CONGRESS ON SEMICONDUCTOR MATERIALS AND DEVICES, Konya, Turkey, 17 - 19 August 2017, pp.78
- XXV. **Why Doesn't Equal To One (=1) of Total Serial Resistance to Serial Resistance Obtained from Cheung I Equation Ratio**
Korkut A., İmer Gencer A., İmer A. G.
International Congress on Semiconductor Materials and Devices (ICSMD-2017), Konya, Turkey, 17 - 19 August 2017, vol. PP, no.51, pp.68
- XXVI. **YENİ BİR PİRİDİN BAZLI LİGAND VE GEÇİŞ METAL KOMPLEKSLERİ: SENTEZ, SPEKTRAL TANIMLAMA VE DSSC (Dye Sensitizer Solar Cell) UYGULAMALARI**
BASHA SYAN R. H. , Gülcan M., İmer A. G. , Tombak A., OCAK Y. S.
6th National Inorganic Chemistry Congress with International Participation, Burdur, Turkey, 18 - 21 May 2017, pp.87
- XXVII. **The Comparative Study on the Electrical Parameters of Sn/p-Si (MS) and Sn/C₁₄H₁₅N₃/p-Si (MIS) Diodes**
İmer A. G. , Korkut A., Yakuphanoglu F., Dere A.
Nanoscience Nanotechnology for Next Generation (NanoNG2016), Antalya, Turkey, 20 - 22 October 2016, pp.132
- XXVIII. **Investigation of the Electrical Properties of Au/Si₃N₄/n-Si Hybrid Schottky Structures**
İmer A. G. , Kaya E., Tombak A., Yakuphanoglu F., Dere A.
Nanoscience & Nanotechnology for Next Generation NanoNG2016, Antalya, Turkey, 20 - 22 October 2016, pp.128
- XXIX. **Behaviour of Electrical Capacitance and Depletion Layer of (Ag, Cu, Ni)/n-Si/Al Schottky Diodes by Ohmic Temperatures**
Korkut A., İmer A. G.
2'nd International Congress on the World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016, pp.57
- XXX. **Current voltage Analysis of Si-NC:SiC/n-Si heterojunction fabricated by magnetron sputtering**
Eygü Z. D. , İmer A. G. , Kulakçı M.
TFD 32nd International Physics Congress, Antalya, Turkey, 6 - 09 September 2016, pp.319
- XXXI. **What Does the Rectification Number (Coefficient) Explain To the Schottky Diode?**
İmer A. G. , Korkut A.
international conference on physical chemistry and functional materials, Elazığ, Turkey, 19 June 2016 - 21 June

2018, vol.1, pp.129

- XXXII. **Ultrasonically Sprayed Sn Doped CdO Thin Films**
Çelik Ö., Tombak A., İmer A. G.
International Conference on Engineering and Natural Sciences (ICENS) 2016, Sarayova, Bosnia And Herzegovina, 24 - 28 May 2016, pp.743
- XXXIII. **Electrical and photoelectrical characteristic investigation of a new generation photodiode based on bromothymol blue dye**
Gençer İmer A. G. , Tombak A., Korkut A.
International Physics Conference at the Anatolian Peak (IPCAP2016), Erzurum, Turkey, 25 - 27 February 2016, vol.707, pp.12012-12021
- XXXIV. **Illumination and Temperature Dependency on the Current Voltage Characteristics of Al/SY/p-Si Organic-Inorganic Heterojunction 25-28 October**
Gençer İmer A. G. , Ocak Y. S.
1st International Conference On Advanced Functional Material Technologies (AFMAT 2015), Antalya, Turkey, 25 - 28 October 2015, pp.21
- XXXV. **Electrical Characteristic Parameters of an Organic-Inorganic Device Based on Dimethyl Yellow Dye**
İmer A. G. , karaduman o., Korkut A.
1st International Conference On Advanced Functional Material Technologies (AFMAT 2015),, Antalya, Turkey, 25 - 28 October 2015, pp.46-47
- XXXVI. **Electrical Characteristic Parameters of QY/p-Si Organic Schottky Diodes**
Ugur A., Gençer İmer A. G. , Ocak Y. S.
1st International Conference On Organic Material Technologies (OEMT 2015), Elazığ, Turkey, 25 - 28 March 2015, pp.152-153
- XXXVII. **Fabrication And Electrical Characterization Of Organic-Inorganic Device Based on Quinonline Yellow**
Ugur A., Gençer İmer A. G. , Ocak y. s.
1st International Conference On Organic Material Technologies (OEMT 2015), Elazığ, Turkey, 25 - 28 March 2015, pp.34
- XXXVIII. **Electrical Characteristic Parameters Of An Organic-Inorganic Device Based On Bromothymol Blue Dye**
İmer A. G. , Ugur A.
Nanoscience&Nanotechnology For Next Generation 2014, Elazığ, Turkey, 20 - 22 August 2014, pp.142-143
- XXXIX. **Structural and Optical Characterization Of Si Nanocrystals Embedded In SiC Multilayer Film For Next Generation Solar Cell**
İmer A. G. , yıldız i., Turan R.
Nanoscience&Nanotechnology For Next Generation (NanoNG2014), Elazığ, Turkey, 20 - 22 August 2014, pp.52-53
- XL. **Si nanocrystals For Third Generation Photovoltaic Solar Cells**
İmer A. G.
International Environmental Science Symposium Of Van 2014, Van, Turkey, 4 - 07 June 2014, pp.25
- XLI. **The effect of the post annealing on the formation of nanocrystalline SiC film deposited by PECVD at low temperature**
İmer A. G. , Turan R.
Nanoscience and Nanotechnology IX (NanoTR-IX), Erzurum, Turkey, 24 - 28 June 2013, pp.130
- XLII. **Structural characterization of Si1-xCx/SiC multilayer cosputtered films, evidence of the formation of Si nanocrystals in an amorphous matrix**
İmer A. G. , yıldız i., Turan R.
European Material Research Society (EMRS) Spring Meeting, Strazburg, France, 14 - 18 May 2012, pp.20
- XLIII. **Fabrication and chracterization of Si nanocrystals in SiC multilayer film for third generation photovoltaics**
İmer A. G. , Turan R.
7th Nanoscience and Nanotechnology Conference (NanoTR7), İstanbul, Turkey, 27 June - 01 July 2011
- XLIV. **6. Rasit Turan, Mustafa Kulakci, Selcuk Yerci, Ilker Dogan, Arife Gencer Imer, Ilker Yildiz and Ayse**

Seyhan, "Si, Ge and SiGe Nanocrystals Embedded in Transparent Matrices for Light Conversion for Solar Cell Applications

Turan R., kulakci m., yerci s., dogan i., İmer A. G. , seyhan a., yıldız i.

Material Research Society (MRS) Spring Meeting, San Francisco, Ca, United States Of America, 24 - 28 March 2008

XLV. SiC Films with Embedded Si Nanocrystals Prepared by Magnetron Sputtering

İmer A. G. , alagoz A. s. , dogan i., yıldız i., Turan R.

Material Research Society (MRS) Spring Meeting, San Francisco, Ca, United States Of America, 24 - 28 March 2008

XLVI. Infrared spectroscopy analysis of Si-O-Si asymmetric stretching vibration of TEOS SiO₂ during the formation of Fe₂O₃ nanocrystals by using sol gel method

tural b., İmer A. G. , volkan m., Turan R.

Nanoscience and Nanotechnology III (NanoTR-III), Ankara, Turkey, 15 - 18 June 2007, pp.163

XLVII. Effects of hydrogen annealing on the photoluminescence characteristics of Si nanocrystals produced by ion implantation and magnetron sputtering

İmer A. G. , alagoz A. s. , seyhan a., kulakci m., Turan R.

International workshop on SEMIconductor NANOstructures (SEMINANO 2007), Bad Honef, Germany, 13 - 16 June 2007, pp.63

XLVIII. Evolution of Si-O-Si asymmetric stretching mode of SiO₂ during Si and Ge nanocrystal formation by sputtering and ion implantation

İmer A. G. , yerci s., alagoz A. s. , serincan u., Turan R.

XXVIII European Congress on Molecular Spectroscopy (EUCMOS), İstanbul, Turkey, 3 - 08 September 2006, pp.227

Supported Projects

İmer A. G. , Project Supported by Higher Education Institutions, Transparan iletken oksit filmlerin optik özelliklerinin belirlenmesi, 2019 - 2020

İmer A. G. , KAYA E., Project Supported by Higher Education Institutions, Ultrasonik püskürtme yöntemi ile üretilen YSnO₂ nano yapılı filmlerin fiziksel özelliklerinin belirlenmesi, 2018 - 2019

İmer A. G. , Project Supported by Higher Education Institutions, Organik Arayüzey İçeren Heteroeklem Fotodiyotun Fotoelektrik Parametreleri Üzerine Aydınlanma Şiddetinin Etkisinin İncelenmesi, 2018 - 2019

İmer A. G. , Project Supported by Higher Education Institutions, Katı hal fiziğinde işbirliğinin geliştirilmesi ve güncel yeniliklerinin izlenmesi, 2018 - 2019

İmer A. G. , Project Supported by Higher Education Institutions, Organik tabanlı aygıtların elektriksel özelliklerinin incelenmesi, 2017 - 2018

İmer A. G. , Project Supported by Higher Education Institutions, Organik İnce Filmlerin Bazı Fiziksel Özelliklerinin Bilgisayar ile Analizi, 2016 - 2017

İmer A. G. , Project Supported by Higher Education Institutions, Dimetil Sarısı Arayüzey Kalınlığının Heteroeklem Aygıtların Elektriksel Parametreleri Üzerine Etkisinin İncelenmesi, 2015 - 2017

İmer A. G. , Project Supported by Higher Education Institutions, Kinolin Sarısı Bileşenli Schottky Diyotların Elektriksel Özelliklerinin Belirlenmesi, 2015 - 2016

İmer A. G. , Project Supported by Higher Education Institutions, Organik/inorganik yarıiletken kontakların üretilmesi ve elektriksel karakteristiklerinin incelenmesi, 2012 - 2015

Activities in Scientific Journals

Material Physics and Chemistry, Committee Member, 2018 - Continues

Scientific Refereeing

Turkish Journal Of Physics, SCI Journal, November 2018
Int. J. MOdern Physics B, SCI Journal, May 2018
Project Supported by Higher Education Institutions, May 2018
Project Supported by Higher Education Institutions, February 2018
Journal of alloys and compouds, SCI Journal, November 2017
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