

Prof. Nevin KALKAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-4020-2020

Yoksis Researcher ID: 53392

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Turkey 1989 - 1994

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Turkey 1986 - 1989

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1981 - 1986

Foreign Languages

English, B2 Upper Intermediate

Greek, A1 Beginner

Certificates, Courses and Trainings

Education Management and Planning, Eğitimde Etkileşim ve Katılımın Güçlendirilmesi, İstanbul Üniversitesi, 2015

Occupational Health and Safety, İş Sağlığı ve Güvenliği, İstanbul Üniversitesi, 2015

Other, Erasmus Koordinatörleri Bilgilendirme, İstanbul Üniversitesi, 2014

Other, Mülakat Teknikleri, Liderlik Anlayışıyla Takım Çalışması Yapmak, İstanbul Üniversitesi, 2008

Other, Erasmus Koordinatörleri Bilgilendirme, İstanbul Üniversitesi, 2008

Education Management and Planning, Gençlik dönemi ve üniversite gençliğine yönelik psikolojik danışmanlık ve rehberlik hizmetleri, İstanbul Üniversitesi, 2000

Education Management and Planning, İletişim Teknikleri, İstanbul Üniversitesi, 2000

Dissertations

Doctorate, TalyumİndiyumSülfid Tek Kristallerinin Fotoiletkenlik Özellikleri, Istanbul University, Faculty of Science, Genel Fizik Anabilim Dalı, 1994

Postgraduate, İndiyum İnce Filmlerinin Elektrik Özellikleri- , Istanbul University, Faculty of Science, Genel Fizik Anabilim Dalı, 1989

Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic transport in condensed matter, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Physics, 2016 - Continues
Associate Professor, Istanbul University, Faculty of Science, Department of Physics, 2009 - 2016
Assistant Professor, Istanbul University, Faculty of Science, Department of Physics, 1996 - 2009
Research Assistant, Istanbul University, Faculty of Science, Department of Physics, 1987 - 1996

Academic and Administrative Experience

İstanbul Üniversitesi, Faculty of Science, 2006 - Continues
Mevlana Exchange Program Institutional Coordinator, Istanbul University, Faculty Of Science, Department Of Physics, 2013 - 2022
yurtiçi, Istanbul University, Faculty Of Science, Department Of Physics, 2000 - 2015

Courses

Termodinamik ve İstatistik mekanik II, Undergraduate, 2022 - 2023
Kuantum Fiziği I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
DC iletkenlik mekanizmaları, Postgraduate, 2018 - 2019
Kuantum Fiziği II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Katılarda DC İletkenlik Mekanizmaları, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
İleri Fizik Uygulamaları, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Fizik II, Undergraduate, 2014 - 2015
Kuantum Fiziği I, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 1999 - 2000, 1998 - 1999
Öğretim Teknolojileri ve Materyal Tasarımı, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
İleri Fizik Uygulamaları, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2005 - 2006, 2002 - 2003, 2001 - 2002, 1998 - 1999
Fizik II, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008
Seminer, Postgraduate, 2009 - 2010
Öğretim Teknolojileri ve Materyal Tasarımı, Undergraduate, 2009 - 2010
Kuantum Fiziği II, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 1998 - 1999
Fizik I, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
Fizik II, Undergraduate, 2004 - 2005
Fizik II, Undergraduate, 2003 - 2004, 2002 - 2003
Fizik I, Undergraduate, 2002 - 2003
Termodinamik ve İstatistik Mekanik, Undergraduate, 2001 - 2002, 2000 - 2001, 1999 - 2000, 1998 - 1999, 1997 - 1998
Fizik Lab. III, Undergraduate, 2000 - 2001, 1999 - 2000, 1998 - 1999, 1996 - 1997
Fizik III, Undergraduate, 2000 - 2001, 1999 - 2000
Fizik Lab. ;III, Undergraduate, 1997 - 1998

Advising Theses

Kalkan N., Tlinse2 bileşiğinin dc iletkenlik mekanizmalarının incelenmesi, Postgraduate, G.PARLANZADA(Student), 2022
KALKAN N., Tiyosemikarbazit İçeren Moleküllerin Geometrik, Spektroskopik, Lineer Olmayan Optik Özelliklerinin Teorik

İncelenmesi, Doctorate, M.Toprak(Student), 2017

KALKAN N., TlSbSe₂ Bileşiğinin Elektriksel Özelliklerinin incelenmesi, Postgraduate, H.Baş(Student), 2014

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Aydın Üniversitesi, May, 2020

Associate Professor Exam, Associate Professor Exam, İstanbul University, March, 2020

Associate Professor Exam, Associate Professor Exam, İstanbul University, October, 2019

Associate Professor Exam, Doçentlik sınavı, Amasya Üniversitesi, December, 2018

Associate Professor Exam, Associate Professor Exam, İstanbul University, October, 2018

Associate Professor Exam, Associate Professor Exam, İstanbul University, April, 2018

Academic Staff Examination, Araştırma Görevlisi sınavı, İstanbul Üniversitesi, November, 2017

Associate Professor Exam, Doçentlik sınavı, İstanbul Üniversitesi, October, 2017

Doctorate, Tez Savunma, İstanbul Üniversitesi, June, 2017

Doctorate, Doktora tez savunması, İstanbul Üniversitesi, June, 2017

Post Graduate, Tez Savunma, İstanbul Üniversitesi, October, 2016

Doctorate, Tez Savunması, İstanbul Üniversitesi, October, 2015

Doctorate, Tez Savunması, İstanbul Üniversitesi, September, 2015

Post Graduate, Tez Savunması, İstanbul Üniversitesi, December, 2014

Post Graduate, Tez savunması, İstanbul Üniversitesi, November, 2014

Doctoral Examination, Yeterlilik Sınavı, Yıldız Teknik Üniversitesi, April, 2014

Doctoral Examination, Doktora Yeterlik Sınavı, Nisan 2014, Yıldız Teknik Üniversitesi, April, 2014

Doctoral Examination, Yeterlik Sınav Jürisi, İstanbul Üniversitesi, January, 2014

Doctorate, Tez Savunma jürisi, İstanbul Üniversitesi, November, 2013

Doctoral Examination, Yeterlilik Sınavı, İstanbul Üniversitesi, June, 2013

Doctorate, Tez Savunma Jürisi, İstanbul Üniversitesi, May, 2013

Doctoral Examination, Yeterlilik Sınavı, İstanbul Üniversitesi, May, 2013

Doctoral Examination, Doktora Yeterlik Sınav Jürisi, İstanbul Üniversitesi, January, 2013

Doctoral Examination, Doktora Yeterlik Sınav Jürisi, İstanbul Üniversitesi, January, 2013

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, November, 2012

Post Graduate, Tez Savunma Jürisi, İstanbul üniversitesi, July, 2011

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, May, 2011

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, March, 2011

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, January, 2011

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, December, 2010

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, December, 2010

Doctorate, Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, December, 2010

Doctorate, Tez Savunma Jürisi, İstanbul Üniversitesi, July, 2010

Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi, May, 2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. Dielectric properties of TlInSe₂ ternary compound

Yakut Ş., Kalkan N., Bas H., Ulutas K., Deger D.

JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, no.11-12, pp.657-660, 2018 (SCI-Expanded)

II. Conduction mechanisms, molecular modelling and micro-Raman studies of TlInSe₂ chalcogenide crystal

Kalkan N., Celik S., Bas H., Ozel A.

Journal of Optoelectronics and Advanced Materials, vol.19, pp.234-245, 2017 (SCI-Expanded)

- III. **Influence of Metallic Indium Concentration on the Properties of Indium Oxide Thin Films**
Kalkan N.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.35, no.9, pp.949-954, 2016 (SCI-Expanded)
- IV. **Anisotropic and dielectric properties of TlSbSe₂ chalcogenide compounds**
Bas H., Kalkan N., Deger D.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.7, pp.7518-7523, 2016 (SCI-Expanded)
- V. **Electrical and Switching Properties of TlBiSe₂ Chalcogenide Compounds**
Kalkan N., Bas H.
JOURNAL OF ELECTRONIC MATERIALS, vol.44, no.11, pp.4387-4391, 2015 (SCI-Expanded)
- VI. **Relaxation spectrum of the TlSbSe₂ thin films**
Deger D., Ulutas K., Yildirim S., Kalkan N.
PHYSICA B-CONDENSED MATTER, vol.404, pp.5231-5233, 2009 (SCI-Expanded)
- VII. **Electrical switching in TlSbSe₂ chalcogenide semiconductors**
Kalkan N., Yildirim S., Ulutaş H. K., Değer D.
Journal Of Electronic Materials, vol.37, pp.157-160, 2007 (SCI-Expanded)
- VIII. **Conduction mechanisms in TlSbSe₂ chalcogenides**
Ulutas K., Kalkan N., Yildirim S., Deger D.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.40, no.9, pp.898-900, 2005 (SCI-Expanded)
- IX. **dc conduction properties of TlSbSe₂ crystals**
Kalkan N., Yildirim S., Deger D., Ulutas K., Celebi Y.
MATERIALS RESEARCH BULLETIN, vol.40, no.6, pp.936-941, 2005 (SCI-Expanded)
- X. **Very high and ultrahigh frequency hyperchaotic oscillators with delay line**
Mykolaitis G., Tamasevicius A., Cenys A., Bumeliene S., Anagnostopoulos A., Kalkan N.
CHAOS SOLITONS & FRACTALS, vol.17, pp.343-347, 2003 (SCI-Expanded)
- XI. **The influence of Tl₄Bi₂S₅ precipitates on the crystalline TlBiS₂ properties**
Özer M., Kalkan N., Kyritsi K. G., Paraskevopoulos K. M., Anagnostopoulos A. N., Stergioudis G., Polychroniadis E. K.
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.193, no.1, pp.3-11, 2002 (SCI-Expanded)
- XII. **Optical and photoelectrical properties of the TlGaS₂ ternary compound**
Kalkan N., Kalomiros J. A., Hantias M., Anagnostopoulos A. N.
SOLID STATE COMMUNICATIONS, vol.99, no.6, pp.375-379, 1996 (SCI-Expanded)
- XIII. **Optical and Photoelectrical Properties of the TlGaSe₂ Layered Crystals"**
Kalomiros J. A., KALKAN N., Hantias M., Anagnostopoulos A. N., Kambas K.
SOLID STATE COMMUNICATIONS, vol.96, pp.601-607, 1995 (SCI-Expanded)
- XIV. **OPTICAL AND PHOTOELECTRIC PROPERTIES OF TLGASE₂ LAYERED CRYSTALS**
KALOMIROS J., KALKAN N., HANIAS M., ANAGNOSTOPOULOS A., KAMBAS K.
SOLID STATE COMMUNICATIONS, vol.96, no.8, pp.601-607, 1995 (SCI-Expanded)
- XV. **STRUCTURAL AND PHOTOELECTRONIC PROPERTIES OF THALLIUM INDIUM SULFIDE**
KALKAN N., Papadopoulos D., Anagnostopoulos A. N., Spyridelis J.
MATERIALS RESEARCH BULLETIN, vol.28, no.7, pp.693-707, 1993 (SCI-Expanded)
- XVI. **ON THE PHOTOCONDUCTIVE PROPERTIES OF THALLIUM-INDIUM-SULFIDE SINGLE-CRYSTALS**
KALKAN N., Hantias M. P., Anagnostopoulos A. N.
MATERIALS RESEARCH BULLETIN, vol.27, no.11, pp.1329-1337, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Investigation on the Optical and Photoelectrical Properties of TlGaX₂(X=S,Se) Ternary Compounds**

Refereed Congress / Symposium Publications in Proceedings

- I. **ANISOTROPY OF ELECTRICAL CONDUCTIVITY IN $TlInSe_2$ CHALCOGENIDE COMPOUNDS**
KALKAN N.
2nd International Conference on Innovations in Natural Science and Engineering (ICINSE 2018), Kiev, Ukraine, 7 - 10 September 2018, pp.167
- II. **Anisotropic Properties of $TlBiSe_2$ Chalcogenide Compounds**
KALKAN N.
Turkish Physical Society 33rd International Physical Congress, Muğla, Turkey, 6 - 10 September 2017, pp.5
- III. **Spectroscopic Characterization and Nonlinear Optical Properties of the Molecules Containing Theiosemicarbazide**
Tamer Ö., Toprak M., KALKAN N., Esmer K.
Turkish Physical Society 33rd International Physical Congress, Muğla, Turkey, 6 - 10 September 2017, pp.10
- IV. **$TlBiSe_2$ Üçlü Bileşiklerinde Uzay Yüğü Sınırlayan Akım Mekanizması (SCLC)**
KALKAN N., Baş H.
Fizik Adım Günleri VI, Balıkesir, Turkey, 19 - 21 July 2017, pp.7
- V. **ELECTRICAL PROPERTIES OF $TlInSe_2$ TERNARY COMPOUNDS**
KALKAN N., Baş H.
4th International Conference on Materials Science and Nanotechnology for Next Generation (msg2017), Sarajevo, Bosnia And Herzegovina, 28 - 30 June 2017, pp.7
- VI. **Switching effect in $TlBiSe_2$ Chalcogenide Semiconductors**
KALKAN N.
13th Asia Pacific Physics Conference & 22nd Australian Institute of Physics Congress, Brisbane, Australia, 4 - 08 December 2016, pp.2
- VII. **Electrical properties of $TlSbTe_2$ chalcogenide crystal**
KALKAN N.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.2
- VIII. **CONDUCTION MECHANISM IN $TlInSe_2$ TERNARY COMPOUNDS**
KALKAN N., Aksoy D., Şenöz S.
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.562
- IX. **DC Electric- Field Effect in $TlSbSe_2$ Ternary Compounds**
Baş H., KALKAN N.
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.433
- X. **Dielectric Properties of $TlSbSe_2$ Ternary Compounds**
Baş H., ULUTAŞ D., KALKAN N.
Turkish Physical Society-30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.95
- XI. **Dielectric Properties of $TlInSe_2$ Ternary Compounds**
Baş H., DEĞER ULUTAŞ D., KALKAN N.
Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 5 - 08 September 2012, pp.98
- XII. **Space charge limited conduction in $TlSbSe_2$ chalcogenide semiconductors**
Kalkan N., Yıldırım S., Değer D., Ulutaş H. K.
11th Europhysical conference on defect in insulating materials, Pecs, Hungary, 1 - 04 July 2010
- XIII. **ac conductivity of $TlSbSe_2$ thin films**
Değer D., Ulutaş H. K., Yıldırım S., Kalkan N.
11th Europhysical conference on defect in insulating materials, Pecs, Hungary, 1 - 04 July 2010
- XIV. **Structural properties of $In-In_2O_3$ composite films”, “11th Europhysical conference on defect in insulating materials**

- Ulutaş H. K., Değer D., Kalkan N., Yıldırım S., Çelebi Y. G., Skarlatos Y., Öveçoğlu L., Genç A.
11th Europhysical conference on defect in insulating materials, Pecs, Hungary, 1 - 04 July 2010, pp.122
- XV. **Structural properties of In-In₂O₃ composite films**
Ulutaş K., Deger D., Kalkan N., Yildirim S., Celebi Y. G., Iskarlatos Y., Öveçoğlu M. L., Genc A.
11th Europhysical Conference on Defects in Insulating Materials (EURODIM), Pecs, Hungary, 12 - 16 July 2010, vol.15
- XVI. **Relaxation spectrum of TlSbSe₂ thin films**
Değer D., Ulutaş H. K., Kalkan N., Yıldırım S.
25th International conference on defect in semiconductors, Sankt-Peterburg, Russia, 1 - 04 July 2009, pp.329
- XVII. **Relaxation Spectrum of the TlSbSe₂ Thin Films**
DEĞER ULUTAŞ D., ULUTAŞ H. K., YILDIRIM S., KALKAN N.
25th International Conference on Defects in Semiconductors,, Russia, 1 - 04 July 2009, pp.329
- XVIII. **Conduction Mechanisms in TlSbSe₂ Crystals”**
KALKAN N.
25th International Conference on Defects in Semiconductors,, Russia, 1 - 04 July 2009, pp.311
- XIX. **Coduction mechanism in TlSbSe₂ thin films**
Kalkan N., Yıldırım S., Değer D., Ulutaş H. K.
25th International conference on defect in semiconductors, Sankt-Peterburg, Russia, 1 - 04 July 2009, pp.311
- XX. **TlSbSe₂ ve TlSbS₂ ince filmlerinde dielektriksel özellikler ve iletkenlik**
Yıldırım S., Kalkan N., Ulutaş H. K., Değer D., Çelebi Y. G.
Türk Fizik Derneği 24. Uluslararası Fizik Kongresi, Malatya, Turkey, 1 - 04 September 2007, vol.24, pp.146
- XXI. **Electrical Switching in TlSbSe₂ Chalcogenide Semiconductors”**
Kalkan N., Yıldırım S., Ulutaş H. K., Değer D.
6th PSI Summer School on Condensed Matter Research, Zuoz - İsviçre 2007, Zug, Switzerland, 1 - 04 August 2007, pp.29
- XXII. **TlSbSe₂ Kristallerinde, İnce Filmlerinde İletkenlik ve Dielektriksel Özellikler**
Yıldırım S., Kalkan N., Ulutaş H. K., Ulutaş D., Çelebi Y. G.
24th International Physics Congress, Malatya, Turkey, 1 - 04 August 2007, pp.3-48
- XXIII. **Conduction Mechanisms in Indium Oxide Thin Films”**
KALKAN N.
Nanosciences & Nanotechnologies (SS-NN07); 4th International, Greece, 1 - 04 July 2007, pp.115
- XXIV. **Influence of optical concentration on the properties of indium oxide thin films**
KALKAN N.
21st General Conference of the EPS Condensed Matter Division,, Germany, 1 - 04 March 2006, pp.171
- XXV. **Influence of different process parameters on physical properties of indium oxide thin films”**
KALKAN N.
, Nonlinear Homogenization and Its Application to Composites, Polycrystals, Poland, 1 - 04 June 2003, pp.15
- XXVI. **Very high frequency hyperchaotic oscillators with delay line**
Mykolaitis G., Anagnostopoulos A. N., KALKAN N.
Applied Non-Linear Dynamics from Semiconductors to Information Technologies, Greece, 1 - 04 August 2001, pp.41
- XXVII. **The Photoconductive Properties of TlInS₂ Single Crystals**
KALKAN N., Anagnostopoulos A. N.
19 th International Conference on Atomic Collisions in Solids, Paris - Fransa, France, 1 - 04 July 2001, pp.234
- XXVIII. **An Investigation on the Optical and Photoelectrical Properties of TlGaX₂(X=S,Se) Ternary Compounds**
KALKAN N., Kalomirov J. A., Anagnostopoulos A. N.
, 4th general Conference of the Balkan Physical Union, Veliko Turnovo - Bulgaristan, Bulgaria, 1 - 04 August 2000, pp.145-148
- XXIX. **Crisis Induced Intermittency in the Electrical Conductivity of Semiconductors”**
KALKAN N., Kryritsi K., Anagnostopoulos A. N.

2nd Balkan Summer School and Workshop on Physics of Materials, Selanik, Greece, 1 - 04 May 2000, pp.85-90

- XXX. **Linear and Non-Linear Electrical Properties of the $Tl_4Bi_2S_5$ Ternary Compound**
KALKAN N., Özer M., Kryritsi K., Anagnostopoulos A. N.
17th Bulgarian-Greek Symposium on Semiconductor and Solid State Physics, Bulgaria, 1 - 04 June 1998, pp.152-156
- XXXI. **Structural and Photoelectronic Properties of $TlInS_2$**
KALKAN N., Papadopoulos D., Anagnostopoulos A. N., Spyridelis J.
13th Greek Bulgarian Symposium on Semiconductor and Solid State Physics, Bulgaria, 1 - 04 September 1995, pp.111-115
- XXXII. **Talyum-İndiyum-Sülfit Tek Kristallerinin Fotoiletkenlik Özellikleri**
KALKAN N., Haniş M., Anagnostopoulos A. N.
14. Ulusal Fizik Kongresi, Lefkoşa, Cyprus (Kktc), 1 - 04 October 1993, pp.9
- XXXIII. **İndiyum İnce Filmlerinin Elektrik Özellikleri**
KALKAN N.
12. Ulusal Fizik Kongresi, İzmir, Turkey, 1 - 04 September 1990, pp.76

Supported Projects

- ÖZEL A., KALKAN N., ÇELİK S., Project Supported by Higher Education Institutions, Conduction mechanisms molecular modelling and microRaman studies of $TlInSe_2$ chalcogenide crystal, 2018 - 2019
- KALKAN N., ULUTAŞ D., BAŞ H., Project Supported by Higher Education Institutions, Anisotropic and dielectric properties of $TlSbSe_2$ chalcogenide compounds, 2018 - 2018
- KALKAN N., Project Supported by Higher Education Institutions, Electrical Switching in $TlSbSe_2$ Chalcogenide Semiconductors, 2010 - 2011
- KALKAN N., Project Supported by Higher Education Institutions, SPACE CHARGE LIMITED CONDUCTION IN $TlSbSe_2$ CHALCOGENIDE SEMICONDUCTORS, 2010 - 2010
- KALKAN N., Project Supported by Higher Education Institutions, Conduction Mechanisms in $TlSbSe_2$ Crystals, 2009 - 2009
- KALKAN N., Other International Funding Programs, Spectra Formation of Chaotic Signals, 2000 - 2002
- KALKAN N., Other International Funding Programs, Chaotic Electrical Properties of Photosensitive Semiconductors, 1995 - 1997
- KALKAN N., Other International Funding Programs, Chaotic Electrical Behaviour and Structural Properties of $TlAX_2$ and $TlBX_2$, 1992 - 1994

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 1989 - Continues

Scientific Refereeing

- Sakarya University Journal of Science, Other Indexed Journal, December 2017
- IOP, Other Indexed Journal, December 2016
- Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü dergisi, National Scientific Refreed Journal, June 2016
- Ionics, SCI Journal, June 2014
- Physica B, SCI Journal, July 2009
- The Journal of Physical Chemistry, SCI Journal, October 2003

Metrics

Publication: 50
Citation (WoS): 128
Citation (Scopus): 125
H-Index (WoS): 5
H-Index (Scopus): 4

Congress and Symposium Activities

NATO Advanced Study Institute on Virtual Nonlinear Multibody Systems, Attendee, Prag, Czech Republic, 2002
Soft Condensed Matter : Configurations, Dynamics and Functionality, Attendee, Geilo, Norway, 1999
Research Workshop on Condensed Matter Physics, Attendee, Trieste, Italy, 1997
Semiconductor Superlattices and Interfaces, Attendee, Trieste, Italy, 1991
1st General Conference of the Balkan Physical Union, Attendee, Selanik, Turkey, 1991
International School of Physics " Enrico Fermi", Attendee, Varenna, Italy, 1991
Research Workshop in Condensed Matter Atomic and Molecular Physics, Attendee, Trieste, Italy, 1990
Spring Collage in Condensed Matter on Physics of Low Dimensional Semiconductor, Attendee, Trieste, Italy, 1990
Phase Transitions in Surface Films, Attendee, Trieste, Italy, 1990
TFD – 10 Ulusal Fizik Kongresi, Attendee, İstanbul-Türkiye, Turkey, 1989
II. Trakya Teorik Fizik Kongresi, Attendee, Edirne-Türkiye, Turkey, 1989
II. International Bodrum School of Physics, Attendee, Bodrum-Türkiye, Turkey, 1989
Trends in Quantum Electronics, Attendee, Bükreş, Romania, 1988
I. Ulusal Bodrum Yaz Okulu, Attendee, Bodrum-Türkiye, Turkey, 1988
TFD –9 Ulusal Fizik Kongresi, Attendee, Bursa- Türkiye, Turkey, 1987

Awards

BULAN N. Ö., KALKAN N., Tübitak Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, July 2008
KALKAN N., Tübitak Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, December 2006
KALKAN N., BULAN N. Ö., BULAN N. Ö., Tübitak Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, August 2005
GÖKMEN Z., KALKAN N., ÖZCAN H. K., OĞUZ F., GÜL H., DONMA O., ERYILMAZ PEHLİVAN F., GAZİOĞLU C., AYDINLI S. G., ÖZCAN H. K., Başarılı Araştırmacı Belgesi, T.C. İstanbul Üniversitesi Araştırma Fonu, May 2005
YANARDAĞ R., KALKAN N., KALAYCI R., Başarılı Araştırmacı Belgesi, İstanbul Üniversitesi, January 2002
GAZİOĞLU C., KALAYCI R., OTANSEV P., KALKAN N., AYDINLI S. G., Başarılı araştırmacı Belgesi, Bilimsel Araştırma Projeleri Birimi, April 2001
KALKAN N., Prof. Dr. Nazım Terzioğlu, İ. Ü. Araştırma Fonu, December 2000
KALKAN N., Başarılı Araştırmacı Belgesi, Bilimsel Araştırma Projeleri Birimi, December 1996
KALKAN N., Tübitak Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, May 1994

Non Academic Experience

Hava Harp Okulu
Harran Üniversitesi
Selanik Aristotle Üniversitesi
Selanik Aristotle Üniversitesi
Selanik Aristotle Üniversitesi
Selanik Aristotle Üniversitesi

