

# Prof. Süleyman Şinasi Ellialtıođlu

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: G-5479-2018

ScopusID: 6701516522

Yoksis Researcher ID: 5117

## Biography

Şinasi Ellialtıođlu Lisans ve Yüksek Lisans derecelerini Orta Dođu Teknik Üniversitesi Fizik Bölümü'nden, sırasıyla, 1971 ve 1973 yıllarında aldı. ODTÜ'den izinli olarak gittiđi Missouri Üniversitesi – Columbia yerleşkesinde Kuramsal Yođun Madde Fiziđi dalında Doktora'sını 1977'de bitirdikten sonra ODTÜ'ye döndü. Katıhal Fiziđi Anabilim Dalı'nda Doçentlik tezini 1982'de veren Dr. Ellialtıođlu, 1988 yılında ODTÜ Fizik Bölümü'nde Profesör kadrosuna atandı.

Aldıđı burslar arasında, ODTÜ'de iken JFK Temel Bilimler Bursu (1967 – 1971), Missouri Üniversitesi'nde iken O. M. Stewart Bursu (1975 – 1977) ve NSF Araştırma Projesi bursu (1978 – 1980), KFA – Jülich'te iken Alexander von Humboldt araştırma bursu (1984 – 1986), Georgia Tech'de iken NATO-B araştırma bursu (1995) ve Fulbright Vakfı araştırma bursu (1995 – 1996) sayılabilir. Ayrıca 1987 TÜBİTAK Teşvik Ödülü sahibi olan Dr. Ellialtıođlu, 2013 yılında Bilim Akademisi Üyeliđi'ne seçildi.

Şinasi Ellialtıođlu, NATO Bilim Bursları Programı'nın Ulusal Yöneticiliđi (1988 – 1989), TÜBİTAK - Bilim Adamı Yetiştirme Grubu Başkanlıđı (1988 – 1989), ODTÜ Fizik Bölümü Başkanlıđı (1988 – 1994), ODTÜ Üniversite Yönetim Kurulu Seçilmiş Üyeliđi (1992 – 1994), Türkiye Atom Enerjisi Kurumu Danışma Kurulu Üyeliđi (1993 – 1996), ve Avrupa Yüksek Basınç Araştırmaları Grubu Danışma Kurulu Üyeliđi (1993 – 1996) görevlerini yürüttü. Haziran 2012'de TED Üniversitesi akademik kadrosuna katılan Prof. Dr. Şinasi Ellialtıođlu, halen Temel Bilimler Birimi Direktörlüğü görevini yürütmektedir.

## Education Information

Doctorate, University of Missouri - Columbia, Faculty of Arts and Sciences, Department of Physics and Astronomy, United States Of America 1973 - 1977

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1971 - 1973

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1967 - 1971

## Foreign Languages

German, B2 Upper Intermediate

English, C2 Mastery

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Professor, TED University, Faculty Of Arts And Sciences, Basic Sciences, 2012 - Continues

## Academic and Administrative Experience

Khazar Üniversitesi, 2021 - Continues

YÖKAK Kurumsal Akreditasyon -- Face to face accreditation meeting, 2021 - Continues

Fen Edebiyat Fakültesi Seçilmiş Üyesi, TEDÜ Senatosu, 2017 - Continues

Fakülte Yönetim Kurulu Seçilmiş Üyesi, TEDÜ Fen Edebiyat Fakültesi, 2017 - Continues

Fakülte Yönetim Kurulu Seçilmiş Üyesi, TEDÜ Mühendislik Fakültesi, 2012 - Continues

Fen Edebiyat Fakültesi Seçilmiş Üyesi, Üniversite Yönetim Kurulu, 2012 - Continues

Program ve Eğitim Komitesi, 2000 - Continues

AKFA UNIVERSITY - Civil Engineering and Architecture Departments, 2021 - 2021

## Courses

Physics I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Physics II, Undergraduate, 2014 - 2015

General Physics Laboratory II, Undergraduate, 2012 - 2013

General Physics Laboratory I, Undergraduate, 2012 - 2013

General Physics II, Undergraduate, 2012 - 2013

General Physics I, Undergraduate, 2013 - 2014

## Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Trakya Üniversitesi, December, 2022

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2022

Academic Staff Examination, Academic Staff Examination, TED Üniversitesi, October, 2022

Doctorate, Doctorate, İhsan Doğramacı Bilkent Üniversitesi, September, 2022

Associate Professor Exam, Associate Professor Exam, Aydın Adnan Menderes Üniversitesi, June, 2022

Competition, 2022 BAGEP Ödülleri, Bilim Akademisi Derneği, March, 2022

December, 2021

Parlar Vakfı 2021 Ödülleri, ODTÜ Mustafa Parlar Vakfı, October, 2021

September, 2021

2021 - BAD aday Üyelik dosyası, Bilim Akademisi Derneği, September, 2021

2021 BAGEP Ödülleri Fizik Jürisi Üyesi, Bilim Akademisi Derneği, February, 2021

January, 2021

December, 2020

August, 2020

BAGEP Ödülleri Fizik Jürisi Üyesi, Bilim Akademisi, January, 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Density functional theory investigation of Pr adsorption on the anatase TiO<sub>2</sub>(101) surface for photovoltaic applications**  
Vural K. B., Kaderoğlu Ç., Ellialtıoğlu S. Ş.  
Applied Surface Science, vol.613, 2023 (SCI-Expanded)
- II. **Mechanism of transition metal interaction with graphene sheet reflected in its plasmonic excitations: Effect of gas adsorption phenomena studied by a combination of solid state and molecular orbital approaches**  
Kaderoğlu Ç., Shamkhali A. N., Safdari F., Abedi M., Ellialtıoğlu S. Ş.  
Applied Surface Science, vol.554, 2021 (SCI-Expanded)
- III. **Elucidating the Barriers on Direct Water Splitting: Key Role of Oxygen Vacancy Density and Coordination over PbTiO<sub>3</sub> and TiO<sub>2</sub>**  
Mete E., Ellialtıoğlu S. Ş., Gulseren O., ÜNER D.  
Journal of Physical Chemistry C, vol.125, no.3, pp.1874-1880, 2021 (SCI-Expanded)
- IV. **Double Perovskite Structure Induced by Co Addition to PbTiO<sub>3</sub>: Insights from DFT and Experimental Solid-State NMR Spectroscopy**  
Mete E., Odabaşlı S., Mao H., Chung T., Ellialtıoğlu S. Ş., Reimer J. A., Gülseren O., ÜNER D.  
Journal of Physical Chemistry C, vol.123, no.44, pp.27132-27139, 2019 (SCI-Expanded)
- V. **DFT Characterization of Metallole-Decorated Silicon (001) Surface**  
Kaderoğlu Ç., Ellialtıoğlu S. Ş.  
Journal of Physical Chemistry C, vol.123, no.18, pp.11639-11648, 2019 (SCI-Expanded)
- VI. **Alkali and Alkaline earth metal doped aluminum tetraborides containing intrinsic planar boron sheet: XAlB<sub>4</sub> (X = Li, Mg, Ca, and Na)**  
Tayran C., Aydın S., Çakmak M., Ellialtıoğlu S. Ş.  
COMPUTATIONAL MATERIALS SCIENCE, vol.124, pp.130-141, 2016 (SCI-Expanded)
- VII. **Structural and electronic properties of AB- and AA-stacking bilayer-graphene intercalated by Li, Na, Ca, B, Al, Si, Ge, Ag, and Au atoms**  
TAYRAN C., AYDIN S., ÇAKMAK M., Ellialtıoğlu S. Ş.  
Solid State Communications, vol.231-232, pp.57-63, 2016 (SCI-Expanded)
- VIII. **Anatase TiO<sub>2</sub> nanowires functionalized by organic sensitizers for solar cells: A screened Coulomb hybrid density functional study**  
Ünal H., Gunceler D., Gülseren O., Ellialtıoğlu S. Ş., Mete E.  
Journal of Applied Physics, vol.118, no.19, 2015 (SCI-Expanded)
- IX. **Hybrid functional calculated optical and electronic structures of thin anatase TiO<sub>2</sub> nanowires with organic dye adsorbates**  
Ünal H., Gunceler D., Gülseren O., Ellialtıoğlu S. Ş., Mete E.  
Applied Surface Science, vol.354, pp.437-442, 2015 (SCI-Expanded)
- X. **Range-separated hybrid density functional study of organic dye sensitizers on anatase TiO<sub>2</sub> nanowires**  
Ünal H., Gunceler D., Gülseren O., Ellialtıoğlu S. Ş., Mete E.  
Journal of Physical Chemistry C, vol.118, no.42, pp.24776-24783, 2014 (SCI-Expanded)
- XI. **Electronic structures and optical spectra of thin anatase TiO<sub>2</sub> nanowires through hybrid density functional and quasiparticle calculations**  
Ünal H., Gülseren O., Ellialtıoğlu S. Ş., Mete E.  
Physical Review B - Condensed Matter and Materials Physics, vol.89, no.20, 2014 (SCI-Expanded)
- XII. **Theoretical investigation of charge accumulation layer on the Bi-induced InAs(111)-(2 x 2) surface**  
Ozkaya S., Usanmaz D., ÇAKMAK M., Alkan B., Ellialtıoğlu S. Ş.  
JOURNAL OF APPLIED PHYSICS, vol.115, no.16, 2014 (SCI-Expanded)
- XIII. **Time reversal and magnetic groups**  
Wolfram T., Ellialtıoğlu S. Ş.

- APPLICATIONS OF GROUP THEORY TO ATOMS, MOLECULES, AND SOLIDS, pp.337-362, 2013 (SCI-Expanded)
- XIV. **Space groups and crystalline solids**  
Wolfram T., Ellialtıođlu S. Ő.
- APPLICATIONS OF GROUP THEORY TO ATOMS, MOLECULES, AND SOLIDS, pp.239-279, 2013 (SCI-Expanded)
- XV. **Influence of Steps on the Tilting and Adsorption Dynamics of Ordered Pentacene Films on Vicinal Ag(111) Surfaces**  
Mete E., Demirođlu I., Albayrak E., Bracco G., Ellialtıođlu S. Ő., DANIŐMAN M. F.  
JOURNAL OF PHYSICAL CHEMISTRY C, vol.116, no.36, pp.19429-19433, 2012 (SCI-Expanded)
- XVI. **DFT study of noble metal impurities on TiO<sub>2</sub>(110)**  
Mete E., Gölseren O., Ellialtıođlu S. Ő.  
European Physical Journal B, vol.85, no.6, 2012 (SCI-Expanded)
- XVII. **Surface energy and excess charge in (1x2)-reconstructed rutile TiO<sub>2</sub>(110) from DFT plus U calculations**  
Unal H., Mete E., Ellialtıođlu S. Ő.  
PHYSICAL REVIEW B, vol.84, no.11, 2011 (SCI-Expanded)
- XVIII. **Interaction of BrPDI, BrGly, and BrAsp with the Rutile TiO<sub>2</sub>(110) Surface for Photovoltaic and Photocatalytic Applications: A First-Principles Study**  
Cakir D., Gulseren O., Mete E., Ellialtıođlu S. Ő.  
JOURNAL OF PHYSICAL CHEMISTRY C, vol.115, no.18, pp.9220-9226, 2011 (SCI-Expanded)
- XIX. **Electronic and structural properties of armchair SWCNT/TiO<sub>2</sub>(110)-(1 x 2) system**  
TAYRAN C., ÇAKMAK M., Ellialtıođlu S. Ő.  
SURFACE SCIENCE, vol.605, no.5-6, pp.593-596, 2011 (SCI-Expanded)
- XX. **Theoretical analysis of small Pt particles on rutile TiO<sub>2</sub>(110) surfaces**  
Celik V., Unal H., Mete E., Ellialtıođlu S. Ő.  
PHYSICAL REVIEW B, vol.82, no.20, 2010 (SCI-Expanded)
- XXI. **Pentacene Multilayers on Ag(111) Surface**  
Mete E., Demirođlu I., DANIŐMAN M. F., Ellialtıođlu S. Ő.  
JOURNAL OF PHYSICAL CHEMISTRY C, vol.114, no.6, pp.2724-2729, 2010 (SCI-Expanded)
- XXII. **Atomic and electronic structure of group-IV adsorbates on the GaAs(001)-(1 x 2) surface**  
Usanmaz D., ÇAKMAK M., Ellialtıođlu S. Ő.  
SURFACE SCIENCE, vol.603, no.17, pp.2683-2687, 2009 (SCI-Expanded)
- XXIII. **Dye adsorbates BrPDI, BrGly, and BrAsp on anatase TiO<sub>2</sub> (001) for dye-sensitized solar cell applications**  
Çakir D., Gölseren O., Mete E., Ellialtıođlu S. Ő.  
Physical Review B - Condensed Matter and Materials Physics, vol.80, no.3, 2009 (SCI-Expanded)
- XXIV. **Modification of TiO<sub>2</sub>(001) surface electronic structure by Au impurity investigated with density functional theory**  
Mete E., Gulseren O., Ellialtıođlu S. Ő.  
PHYSICAL REVIEW B, vol.80, no.3, 2009 (SCI-Expanded)
- XXV. **On the structure sensitivity of CO oxidation on alumina supported Pd-Pt bimetallic catalysts**  
Kaya S., Erunal E., Shaltaf R., Ellialtıođlu S. Ő., ÜNER D.  
Turkish Journal of Chemistry, vol.33, no.1, pp.11-21, 2009 (SCI-Expanded)
- XXVI. **Pt-incorporated anatase TiO<sub>2</sub> (001) surface for solar cell applications: First-principles density functional theory calculations**  
Mete E., ÜNER D., Gölseren O., Ellialtıođlu S. Ő.  
Physical Review B - Condensed Matter and Materials Physics, vol.79, no.12, 2009 (SCI-Expanded)
- XXVII. **Atomic and electronic structure of Bi/GaAs(001)- $\alpha$ 2(2 x 4)**  
Usanmaz D., ÇAKMAK M., Ellialtıođlu S. Ő.  
Journal of Physics Condensed Matter, vol.20, no.26, 2008 (SCI-Expanded)
- XXVIII. **Chemisorption of 3-aminopropyltrimethoxysilane on Si(001)-(2 x 2)**  
DEMİREL G., ÇAKMAK M., Çaykara T., Ellialtıođlu S. Ő.

- Journal of Physical Chemistry C, vol.111, no.41, pp.15020-15025, 2007 (SCI-Expanded)
- XXIX. **An ab initio study of 3-aminopropyltrimethoxysilane molecule on Si(1 1 1)-(sqrt(3) × sqrt(3)) surface**  
DEMİREL G., DEMİREL G., ÇAKMAK M., Çaykara T., Ellialtıođlu S. Ş.  
Surface Science, vol.601, no.18, pp.3740-3744, 2007 (SCI-Expanded)
- XXX. **Effect of hydrogenation on B/Si(0 0 1)-(1 × 2)**  
ÇAKMAK M., Mete E., Ellialtıođlu S. Ş.  
Surface Science, vol.601, no.18, pp.3711-3716, 2007 (SCI-Expanded)
- XXXI. **Effect of molecular and electronic structure on the light-harvesting properties of dye sensitizers**  
Mete E., ÜNER D., Çakmak M., Gulseren O., Ellialtıođlu S. Ş.  
Journal of Physical Chemistry C, vol.111, no.20, pp.7539-7547, 2007 (SCI-Expanded)
- XXXII. **Atomic and electronic structure of Sr/Si(0 0 1)-(2 × 2)**  
ÇAKMAK M., Mete E., Ellialtıođlu S. Ş.  
Surface Science, vol.600, no.18, pp.3614-3618, 2006 (SCI-Expanded)
- XXXIII. **Lattice vibrations of pure and doped GaSe**  
Allakhverdiev K., Baykara T., Ellialtıođlu S. Ş., Hashimzade F., Huseinova D., Kawamura K., Kaya A., Kulibekov A., Onari S.  
Materials Research Bulletin, vol.41, no.4, pp.751-763, 2006 (SCI-Expanded)
- XXXIV. **Cs adsorption on Si(001) surface: An ab initio study**  
Shaltaf R., Mete E., Ellialtıođlu S. Ş.  
Physical Review B - Condensed Matter and Materials Physics, vol.72, no.20, 2005 (SCI-Expanded)
- XXXV. **DFT study of Rb/Si(1 0 0)-2 × 1 system**  
Mete E., Shaltaf R., Ellialtıođlu S. Ş.  
Surface Science, vol.583, no.2-3, pp.119-125, 2005 (SCI-Expanded)
- XXXVI. **Electronic structure of the chainlike compound TlSe**  
Ellialtıođlu S. Ş., Mete E., Shaltaf R., Allakhverdiev K., Gashimzade F., Nizametdinova M., Orudzhev G.  
Physical Review B - Condensed Matter and Materials Physics, vol.70, no.19, pp.1-6, 2004 (SCI-Expanded)
- XXXVII. **An ab initio study of the Te surfactant on Ge/Si(0 0 1)**  
ÇAKMAK M., Srivastava G., Ellialtıođlu S. Ş.  
Surface Science, vol.566-568, no.1-3 PART 2, pp.719-722, 2004 (SCI-Expanded)
- XXXVIII. **Ab initio study of the one-monolayer Sb/Ge (001) interface**  
Shaltaf R., ÇAKMAK M., Mete E., Srivastava G., Ellialtıođlu S. Ş.  
SURFACE SCIENCE, vol.566, pp.956-960, 2004 (SCI-Expanded)
- XXXIX. **Mg adsorption on Si(001) surface from first principles**  
Shaltaf R., Mete E., Ellialtıođlu S. Ş.  
Physical Review B - Condensed Matter and Materials Physics, vol.69, no.12, 2004 (SCI-Expanded)
- XL. **Electronic and structural properties of a 4d perovskite: Cubic phase of SrZrO<sub>3</sub>**  
Mete E., Shaltaf R., Ellialtıođlu S. Ş.  
Physical Review B - Condensed Matter and Materials Physics, vol.68, no.3, pp.351191-351194, 2003 (SCI-Expanded)
- XLI. **Adsorption of Te on Ge(001): Density-functional calculations**  
ÇAKMAK M., Srivastava G., Ellialtıođlu S. Ş.  
Physical Review B - Condensed Matter and Materials Physics, vol.67, no.20, 2003 (SCI-Expanded)
- XLII. **Ab initio study of the adsorption and desorption of Se on the Si(0 0 1) surface**  
ÇAKMAK M., Srivastava G., Ellialtıođlu S. Ş., Çolakođlu K.  
Surface Science, vol.507-510, pp.29-33, 2002 (SCI-Expanded)
- XLIII. **Spatial stabilization of Townsend and glow discharges with a semiconducting cathode**  
Salamov B., Ellialtıođlu S. Ş., Akinoglu B., Lebedeva N., Patriskii L.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.29, no.3, pp.628-633, 1996 (SCI-Expanded)
- XLIV. **Layered semiconductor GeS as a birefringent stratified medium**  
Süleymanov R., Ellialtıođlu S. Ş., AKINOĐLU B. G.

- Physical Review B, vol.52, no.11, pp.7806-7809, 1995 (SCI-Expanded)
- XLV. **Low-temperature second harmonic generation in gallium selenide under resonant excitation of the direct free excitons**  
Allakhverdiev K., Akhmedov N., Ibragimov Z., Ellialtıođlu S. Ő., Lothar K., Haarer D.  
Solid State Communications, vol.93, no.2, pp.147-150, 1995 (SCI-Expanded)
- XLVI. **Enhancement of the Resolution of a Semiconductor Photographic System in a Magnetic Field**  
Akinođlu B., Ellialtıođlu S. Ő., Salnmov B., Allakhverdiev K., Lebedeva N.  
JOURNAL OF PHOTOGRAPHIC SCIENCE, vol.42, no.3, pp.106-108, 1994 (SCI-Expanded)
- XLVII. **Chemisorption of a p-adsorbate on perovskites**  
KÖKTEN H., Ellialtıođlu S. Ő.  
Physica B: Physics of Condensed Matter, vol.193, no.1, pp.39-44, 1994 (SCI-Expanded)
- XLVIII. **Lattice parameters of TlGa<sub>1-x</sub>In<sub>x</sub>S<sub>2</sub> and TlGa(S<sub>1-x</sub>Se<sub>x</sub>)<sub>2</sub> layer mixed crystals**  
HASANLI N., Ğulfaz A., Özkan H., Ellialtıođlu S. Ő.  
Crystal Research and Technology, vol.29, no.3, 1994 (SCI-Expanded)
- XLIX. **Elastic Properties of GaS<sub>1-x</sub>Se<sub>x</sub> Layer Mixed Crystals by Brillouin Scattering**  
HASANLI N., AKINOĐLU B. G., Ellialtıođlu S. Ő.  
physica status solidi (b), vol.177, no.2, 1993 (SCI-Expanded)
- L. **Raman scattering in layer indium selenide under pressure**  
Allahverdi K., Babaev S., Ellialtıođlu S. Ő., Ismailov A.  
Solid State Communications, vol.87, no.8, pp.675-678, 1993 (SCI-Expanded)
- LI. **Low-temperature phase transitions in TlGaS<sub>2</sub> layer crystals**  
Aydinli A., Ellialtıođlu R., Allakhverdiev K., Ellialtıođlu S. Ő., HASANLI N.  
Solid State Communications, vol.88, no.5, pp.387-390, 1993 (SCI-Expanded)
- LII. **Elastic coefficients in TlGa(S<sub>1-x</sub>Se<sub>x</sub>)<sub>2</sub> and TlIn<sub>x</sub>Ga<sub>1-x</sub>S<sub>2</sub> layer mixed crystal by Brillouin scattering**  
HASANLI N., AKINOĐLU B. G., Ellialtıođlu S. Ő., Laiho R., Bakhyshov A.  
Physica B: Physics of Condensed Matter, vol.192, no.4, pp.371-377, 1993 (SCI-Expanded)
- LIII. **A COMPUTER-SIMULATION OF AMORPHOUS-SILICON**  
DERELI G., YALABIK M., Ellialtıođlu S. Ő.  
PHYSICA SCRIPTA, vol.40, no.1, pp.117-121, 1989 (SCI-Expanded)
- LIV. **Electronic structure of strained Si<sub>n</sub>/Ge<sub>n</sub>(001) superlattices**  
Ciraci S., Ğülseren O., Ellialtıođlu S. Ő.  
Solid State Communications, vol.65, no.11, pp.1285-1290, 1988 (SCI-Expanded)
- LV. **Calculations of STM linescans - general formalism**  
Ellialtıođlu S. Ő., Ciraci S., Batra I. P.  
Solid State Communications, vol.66, no.11, pp.1135-1139, 1988 (SCI-Expanded)
- LVI. **MAGNETIC 3D IMPURITIES IN NB AND MO**  
Ellialtıođlu S. Ő., ZELLER R., DEDERICHS P.  
JOURNAL OF PHYSICS F-METAL PHYSICS, vol.17, no.2, pp.409-416, 1987 (SCI-Expanded)
- LVII. **BINDING-ENERGY OF THE DONOR PHONON SYSTEM IN QUANTUM-WELL WIRES**  
ERCELEBI A., OZDINCER U., Ellialtıođlu S. Ő.  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS, vol.19, no.4, 1986 (SCI-Expanded)
- LVIII. **States of water molecule adsorbed on Si(111) surface**  
Ciraci S., ErkoĞ Ő., Ellialtıođlu S. Ő.  
Solid State Communications, vol.45, no.1, pp.35-38, 1983 (SCI-Expanded)
- LIX. **Interpretation of the spectra obtained from oxygen-adsorbed and oxidized silicon surfaces**  
Ciraci S., Ellialtıođlu S. Ő., ErkoĞ S.  
Physical Review B, vol.26, no.10, pp.5716-5729, 1982 (SCI-Expanded)
- LX. **Chemisorption of atomic oxygen on silicon surface**  
Ellialtıođlu S. Ő., Ciraci S.  
Solid State Communications, vol.42, no.12, pp.879-881, 1982 (SCI-Expanded)
- LXI. **AN INVESTIGATION OF THE INTERFACE ELECTRONICS STRUCTURE OF SI-SIO<sub>2</sub> JUNCTIONS**

CIRACI S., Ellialtıođlu S. Ő., ERKOC S.

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY, vol.21, no.2, pp.402-404, 1982 (SCI-Expanded)

**LXII. Surface electronic structure of silicon dioxide**

Ciraci S., Ellialtıođlu S. Ő.

Physical Review B, vol.25, no.6, pp.4019-4030, 1982 (SCI-Expanded)

**LXIII. DENSITY-OF-STATES AND PARTIAL-DENSITY-OF-STATES FUNCTIONS FOR THE CUBIC D-BAND PEROVSKITES**

WOLFRAM T., Ellialtıođlu S. Ő.

PHYSICAL REVIEW B, vol.25, no.4, pp.2697-2714, 1982 (SCI-Expanded)

**LXIV. NEUTRON-SCATTERING BY MAGNONS OF AN ANTI-FERROMAGNET WITH MODULATED SPIN AMPLITUDES**

WOLFRAM T., Ellialtıođlu S. Ő.

PHYSICAL REVIEW LETTERS, vol.44, no.19, pp.1295-1298, 1980 (SCI-Expanded)

**LXV. MATRIX ELEMENT EFFECTS IN LEPSILON-2(OMEGA) OF THE INSULATING PEROVSKITES**

WOLFRAM T., Ellialtıođlu S. Ő.

APPLIED PHYSICS, vol.22, no.1, pp.11-13, 1980 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Phase transitions in ternary layered A3B3C62 group ferroelectric semiconductors – A review**  
Turkish J. Phys. 18, 1–66 (1994). Allakhverdiev, T. G. Mamedov  
Allakhverdiev K, Mamedov T., Aknođlu B., Ellialtıođlu S. Ő.  
TURKISH JOURNAL OF PHYSICS, vol.18, pp.1-66, 1994 (Scopus)
- II. **Raman scattering and hall effect in layer inise under pressure**  
Allakhverdiev K, Ellialtıođlu S. Ő., Ismailov A., Ibragimov Z.  
High Pressure Research, vol.13, no.1-3, pp.121-125, 1994 (Scopus)
- III. **Electronic Structure of SiO2(111) Thin Film**  
Çiraci S., Ellialtıođlu S. Ő.  
SOLID STATE COMMUNICATIONS, vol.40, no.5, pp.587-589, 1981 (Scopus)
- IV. **Model for the x-ray photoelectron distributions of d-band perovskites**  
Wolfram T., Ellialtıođlu S. Ő.  
Physical Review B, vol.19, no.1, pp.43-46, 1979 (Scopus)
- V. **Surface states on n-type SrTiO3**  
Ellialtıođlu S. Ő., Wolfram T., Henrich V. E.  
Solid State Communications, vol.27, no.3, pp.321-324, 1978 (Scopus)
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## Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECT OF DIFFERENT TYPES AND SIZES OF METAL NANOCCLUSERS ON THE GAS SENSING PROPERTIES OF GRAPHENE**  
Ellialtıođlu S. Ő., Kaderođlu ., SHAMKHALI A. N.
- II. **TSP36 Turkish Physical Society 36th International Physics Congress**  
Ellialtıođlu S. Ő., Kaderođlu .
- III. **"Grafen Yüzeyinde Metalik ıpalar: Yeni Nesil Gaz Sensörleri" ađıl Kaderođlu**  
Kaderođlu ., Shamkhali A. N., Ellialtıođlu S. Ő.
- IV. **"Adsorption of Nickel Nanoclusters on Graphene Sheet for Gas Sensor Applications" ađıl Kaderođlu**  
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- V. **"Formation of double perovskite structure induced by Co addition to PbTiO3" Invited Talk Errsen**  
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- VI. **"Metalol Molekülleri Yarıiletken bir Yüzeyle Karşılaşırsa: Bir DFT alışması" ađırlı Konuşma (ŐE)**  
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AKMAK M., Shaltaf R., Srivastava G., Ellialtıođlu S. Ő.  
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## Memberships / Tasks in Scientific Organizations

Bilim Akademisi Derneđi, Principal Member, 2013 - Continues, Turkey

Türkiye Fulbright Derneđi, Executive Board Member, 1997 - Continues, Turkey

Alexander von Humboldt Vakfı Bursiyerleri Derneđi, Executive Board Member, 1986 - Continues, Turkey

Türk Fizik Derneđi, Principal Member, 1971 - Continues, Turkey

## Congress and Symposium Activities

Türk Fizik Derneđi - 38.nci Uluslararası Fizik Kongresi, Attendee, Muđla, Turkey, 2022

## Awards

Ellialtıođlu S. Ő., 2022 Turkish Physical Society Honor Price, Turkish Physical Society, September 2022