

Prof. Süleyman Şinasi Ellialtıoğlu

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Biography

Şinasi Ellialtıoğlu Lisans ve Yüksek Lisans derecelerini Orta Doğu Teknik Üniversitesi Fizik Bölümü'nden, sırasıyla, 1971 ve 1973 yıllarında aldı. ODTÜ'den izinli olarak gittiği Missouri Üniversitesi - Columbia yerleşkesinde Kuramsal Yoğun Madde Fiziği dalında Doktora'sını 1977'de bitirdikten sonra ODTÜ'ye döndü. Kathal Fiziği Anabilim Dalı'nda Doçentlik tezini 1982'de veren Dr. Ellialtıoğlu, 1988 yılında ODTÜ Fizik Bölümü'nde Profesör kadrosuna atandı.

Aldığı 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. Ellialtıoğlu, 2013 yılında Bilim Akademisi Üyeliği'ne seçildi.

Şinasi Ellialtıoğlu, NATO Bilim Bursları Programı'nın Ulusal Yöneticiliği (1988 – 1989), TÜBİTAK - Bilim Adamı Yetiştirme Grubu Başkanlığı (1988 – 1989), ODTÜ Fizik Bölümü Başkanlığı (1988 – 1994), ODTÜ Üniversite Yönetim Kurulu Seçilmiş Üyeliği (1992 – 1994), Türkiye Atom Enerjisi Kurumu Danışma Kurulu Üyeliği (1993 – 1996), ve Avrupa Yüksek Basınç Araştırmaları Grubu Danışma Kurulu Üyeliği (1993 – 1996) görevlerini yürüttü. Haziran 2012'de TED Üniversitesi akademik kadrosuna katılan Prof. Dr. Şinasi Ellialtıoğlu, 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, 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, Aydin 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 TiO₂(101) surface for photovoltaic applications**
Vural K. B., Kaderoglu 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**
Kaderoglu 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 PbTiO₃and TiO₂**
Mete E., Ellialtıoğlu S. Ş., Gülsen 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 PbTiO₃: Insights from DFT and Experimental Solid-State NMR Spectroscopy**
Mete E., Odabaşlı S., Mao H., Chung T., Ellialtıoğlu S. Ş., Reimer J. A., Gülsen 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**
Kaderoglu 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: XAlB₄ (X = Li, Mg, Ca, and Na)**
Tayran C., Aydin 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 TiO₂ nanowires functionalized by organic sensitizers for solar cells: A screened Coulomb hybrid density functional study**
Ünal H., Gunceler D., Gülsen 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 TiO₂ nanowires with organic dye adsorbates**
Ünal H., Gunceler D., Gülsen 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 TiO₂ nanowires**
Ünal H., Gunceler D., Gülsen 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 TiO₂ nanowires through hybrid density functional and quasiparticle calculations**
Ünal H., Gülsen O., Ellialtolu Å., 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., Ellialtıoglu 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., Ellialtioglu S. S.
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., Demiroglu I., Albayrak E., Bracco G., Ellialtıoğlu S. S., DANIŞMAN 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 TiO₂(110)**
Mete E., Gülsen O., Ellialtıoğlu S. S.
European Physical Journal B, vol.85, no.6, 2012 (SCI-Expanded)
- XVII. **Surface energy and excess charge in (1x2)-reconstructed rutile TiO₂(110) from DFT plus U calculations**
Unal H., Mete E., Ellialtıoğlu S. S.
PHYSICAL REVIEW B, vol.84, no.11, 2011 (SCI-Expanded)
- XVIII. **Interaction of BrPDI, BrGly, and BrAsp with the Rutile TiO₂(110) Surface for Photovoltaic and Photocatalytic Applications: A First-Principles Study**
Cakir D., Gulseren O., Mete E., Ellialtıoğlu S. S.
JOURNAL OF PHYSICAL CHEMISTRY C, vol.115, no.18, pp.9220-9226, 2011 (SCI-Expanded)
- XIX. **Electronic and structural properties of armchair SWCNT/TiO₂(110)-(1 x 2) system**
TAYRAN C., ÇAKMAK M., Ellialtıoğlu S. S.
SURFACE SCIENCE, vol.605, no.5-6, pp.593-596, 2011 (SCI-Expanded)
- XX. **Theoretical analysis of small Pt particles on rutile TiO₂(110) surfaces**
Celik V., Unal H., Mete E., Ellialtıoğlu S. S.
PHYSICAL REVIEW B, vol.82, no.20, 2010 (SCI-Expanded)
- XXI. **Pentacene Multilayers on Ag(111) Surface**
Mete E., Demiroglu I., DANIŞMAN M. F., Ellialtıoğlu S. S.
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., Ellialtıoğlu S. S.
SURFACE SCIENCE, vol.603, no.17, pp.2683-2687, 2009 (SCI-Expanded)
- XXIII. **Dye adsorbates BrPDI, BrGly, and BrAsp on anatase TiO₂ (001) for dye-sensitized solar cell applications**
Çakir D., Gülsen O., Mete E., Ellialtıoğlu S. S.
Physical Review B - Condensed Matter and Materials Physics, vol.80, no.3, 2009 (SCI-Expanded)
- XXIV. **Modification of TiO₂(001) surface electronic structure by Au impurity investigated with density functional theory**
Mete E., Gulseren O., Ellialtıoğlu S. S.
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., Ellialtıoğlu S. S., ÜNER D.
Turkish Journal of Chemistry, vol.33, no.1, pp.11-21, 2009 (SCI-Expanded)
- XXVI. **Pt-incorporated anatase TiO₂ (001) surface for solar cell applications: First-principles density functional theory calculations**
Mete E., ÜNER D., Gülsen O., Ellialtıoğlu S. S.
Physical Review B - Condensed Matter and Materials Physics, vol.79, no.12, 2009 (SCI-Expanded)
- XXVII. **Atomic and electronic structure of Bi/GaAs(001)- α 2(2 x 4)**
Usanmaz D., ÇAKMAK M., Ellialtıoğlu S. S.
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., Ellialtıoğlu S. S.

- 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., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu S. Ş.
Surface Science, vol.583, no.2-3, pp.119-125, 2005 (SCI-Expanded)
- XXXVI. **Electronic structure of the chainlike compound TlSe**
Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu 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 SrZrO₃**
Mete E., Shaltaf R., Ellialtıoğlu 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., Ellialtıoğlu 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., Ellialtıoğlu S. Ş., Çolakoğlu 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., Ellialtıoğlu S. Ş., Akinoglu B., Lebedeva N., Patrskii 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., Ellialtıoğlu S. Ş., AKINOĞLU 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., Ellialtıoğlu S.Ş., 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**
 Akinoğlu B., Ellialtıoğlu S.Ş., Salmov 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., Ellialtıoğlu S.Ş.
 Physica B: Physics of Condensed Matter, vol.193, no.1, pp.39-44, 1994 (SCI-Expanded)
- XLVIII. Lattice parameters of $TlGa_{1-x}In_xS_2$ and $TlGa(S_{1-x}Se)_2$ layer mixed crystals**
 HASANLI N., Gülfaz A., Özkan H., Ellialtıoğlu S.Ş.
 Crystal Research and Technology, vol.29, no.3, 1994 (SCI-Expanded)
- XLIX. Elastic Properties of $GaS_{1-x}Se_x$ Layer Mixed Crystals by Brillouin Scattering**
 HASANLI N., AKINOĞLU B. G., Ellialtıoğlu S.Ş.
 physica status solidi (b), vol.177, no.2, 1993 (SCI-Expanded)
- L. Raman scattering in layer indium selenide under pressure**
 Allahverdi K., Babaev S., Ellialtıoğlu S.Ş., Ismailov A.
 Solid State Communications, vol.87, no.8, pp.675-678, 1993 (SCI-Expanded)
- LI. Low-temperature phase transitions in $TlGaS_2$ layer crystals**
 Aydinli A., Ellialtıoğlu R., Allakhverdiev K., Ellialtıoğlu S.Ş., HASANLI N.
 Solid State Communications, vol.88, no.5, pp.387-390, 1993 (SCI-Expanded)
- LII. Elastic coefficients in $TlGa(S_{1-x}Se)_2$ and $TlIn_xGa_{1-x}S_2$ layer mixed crystal by Brillouin scattering**
 HASANLI N., AKINOĞLU B. G., Ellialtıoğlu S.Ş., Laiho R., Bakhshayev A.
 Physica B: Physics of Condensed Matter, vol.192, no.4, pp.371-377, 1993 (SCI-Expanded)
- LIII. A COMPUTER-SIMULATION OF AMORPHOUS-SILICON**
 DERELİ G., YALABIK M., Ellialtıoğlu S.Ş.
 PHYSICA SCRIPTA, vol.40, no.1, pp.117-121, 1989 (SCI-Expanded)
- LIV. Electronic structure of strained Si(001) superlattices**
 Ciraci S., Gülsen O., Ellialtıoğlu S.Ş.
 Solid State Communications, vol.65, no.11, pp.1285-1290, 1988 (SCI-Expanded)
- LV. Calculations of STM linescans - general formalism**
 Ellialtıoğlu S.Ş., 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**
 Ellialtıoğlu S.Ş., ZELLER R., DEDERICHSEN 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., Ellialtıoğlu S.Ş.
 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., Erkoç S., Ellialtıoğlu S.Ş.
 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., Ellialtıoğlu S.Ş., Erkoç S.
 Physical Review B, vol.26, no.10, pp.5716-5729, 1982 (SCI-Expanded)
- LX. Chemisorption of atomic oxygen on silicon surface**
 Ellialtıoğlu S.Ş., 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-SIO₂ JUNCTIONS**

- CIRACI S., Ellialtıoğlu S. Ş., 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., Ellialtıoğlu S. Ş.
 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., Ellialtıoğlu S. Ş.
 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., Ellialtıoğlu S. Ş.
 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., Ellialtıoğlu S. Ş.
 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., Akinoğlu B., Ellialtıoğlu S. Ş.
 TURKISH JOURNAL OF PHYSICS, vol.18, pp.1-66, 1994 (Scopus)
- II. **Raman scattering and hall effect in layer inse under pressure**
 Allakhverdiev K., Ellialtıoğlu S. Ş., 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., Ellialtıoğlu S. Ş.
 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., Ellialtıoğlu S. Ş.
 Physical Review B, vol.19, no.1, pp.43-46, 1979 (Scopus)
- V. **Surface states on n-type SrTiO₃**
 Ellialtıoğlu S. Ş., Wolfram T., Henrich V. E.
 Solid State Communications, vol.27, no.3, pp.321-324, 1978 (Scopus)
- VI. **Surface electronic properties of d-band perovskites: Study of the π bands**
 Ellialtıoğlu S. Ş., Wolfram T.
 Physical Review B, vol.18, no.8, pp.4509-4525, 1978 (Scopus)
- VII. **Surface enhanced covalency and its effect on the surface states of d-band metal oxides**
 Wolfram T., Ellialtıoğlu S. Ş.
 Applied Physics, vol.13, no.1, pp.21-24, 1977 (Scopus)

Books & Book Chapters

- I. **Electronic and Optical Properties of d-Band Perovskites**
 Wolfram T., Ellialtıoğlu S. Ş.
 Cambridge University Press, Cambridge, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECT OF DIFFERENT TYPES AND SIZES OF METAL NANoclUSTERS ON THE GAS SENSING PROPERTIES OF GRAPHENE**
Ellialtıoğlu S. Ş., Kaderoğlu Ç., SHAMKHALI A. N.
- II. **TSP36 Turkish Physical Society 36th International Physics Congress**
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- III. **"Grafen Yüzeyinde Metalik Çipalar: Yeni Nesil Gaz Sensörleri" Çağıl Kaderoğlu**
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Memberships / Tasks in Scientific Organizations

Bilim Akademisi Derneği, Principal Member, 2013 - Continues, Turkey
Türkiye Fulbright Derneği, Executive Board Member, 1997 - Continues, Turkey
Alexander von Humboldt Vakfı Bursiyerleri Derneği, Executive Board Member, 1986 - Continues, Turkey
Türk Fizik Derneği, Principal Member, 1971 - Continues, Turkey

Congress and Symposium Activities

Türk Fizik Derneği - 38.nci Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2022

Awards

Ellialtıoğlu S. Ş., 2022 Turkish Physical Society Honor Price, Turkish Physical Society, September 2022