

Prof. ERDİ ATA BLEDA

Personal Information

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Education Information

2004 - 2008	Doctorate, Clemson University, Department of Physics and Astronomy, United States Of
	America
2002 - 2004	Postgraduate, Clemson University, Department of Physics and Astronomy, United States Of
	America
1997 - 2001	Undergraduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey

Research Areas

Atomic and Molecular Physics, Physics of Plasmas

Academic Titles / Tasks

2022 - Continues	Professor, Marmara University, Faculty of Arts and Sciences, Physics
2016 - 2022	Associate Professor, Marmara University, Faculty of Arts and Sciences, Physics
2014 - 2016	Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics
2013 - 2014	Assistant Professor, Istanbul Arel University, Faculty Of Arts And Sciences, Department Of
	Mathematics And Computer
2009 - 2012	Assistant Professor, Istanbul Arel University, Faculty Of Arts And Sciences, Department Of
	Mathematics And Computer

Academic and Administrative Experience

2015 - Continues	Erasmus Program Institutional Coordinator, Marmara University, Faculty of Arts and Sciences,
	Physics
2017 - 2022	Bölüm Kalite Komisyonu Üyesi, Marmara University, Faculty of Arts and Sciences, Physics
2017 - 2022	Commission for Program Assesment and Exemption, Marmara University, Faculty of Arts and
	Sciences, Physics
2017 - 2020	Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Physics
2017 - 2020	Course and Examination Program Commission, Marmara University, Faculty of Arts and
	Sciences, Physics

2015 - 2019	Course Assignment and Organization Commission, Marmara University, Faculty of Arts and
	Sciences, Physics
2012 - 2014	BAP Scientific Commissioner, Istanbul Arel University, Faculty Of Science And Letters,
	Department Of Mathematics And Computer
2010 - 2011	Fakülte Kurulu Üyesi, Istanbul Arel University, Faculty Of Science And Letters, Department Of
	Mathematics And Computer
2009 - 2011	Deputy Head of Department, İstanbul Arel Üniversitesi, Fen-Edebiyat Fakültesi, Matematik-
	Bilgisayar Bölümü

Courses

2022 - 2023, 2021 - 2022, 2020 - 2021	Electromagnetic Theory, Postgraduate
2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 -	Differential Equations, Undergraduate
2018 2022 - 2023, 2021 - 2022	Advanced Electromagnetic Theory, Doctorate
2022 - 2023, 2021 - 2022	Quantum Mechanics, Postgraduate
2021 - 2022	Classical Mechanics, Undergraduate
2019 - 2020	Introduction to Computational Programming, Undergraduate
2019 - 2020, 2018 - 2019, 2017 - 2018	Fizikte Sayısal Yöntemler, Undergraduate
2020 - 2021, 2019 - 2020, 2018 - 2019	İleri Programlama, Undergraduate
2020 - 2021, 2019 - 2020	Computer Applications in Mathematics and Physics, Undergraduate
2020 - 2021, 2019 - 2020, 2018 - 2019	Mechanics, Undergraduate
2018 - 2019, 2017 - 2018	Physics II, Undergraduate
2018 - 2019, 2017 - 2018	Physics II, Undergraduate
2018 - 2019, 2017 - 2018	Physics I, Undergraduate
2018 - 2019, 2017 - 2018	Physics I, Undergraduate
2017 - 2018	Physics III, Undergraduate

Advising Theses

Continues	Bleda E. A., Doctorate, D.İçkecan(Student), Investigation of the Properties of 2D nanostructures using Machine Learning Methods
Continues	Bleda E. A., Doctorate, C.Güleryüz(Student), First Principle Investigation of Transport Properties in Nanostnictures and Nanomaterials
2023	Bleda E. A., Postgraduate, S.MAHMOUDI(Student), Calculations of Hyperpolarizability and Two-Photon Absorption Cross Sections of Organic Charge-Transfer Compounds

Bleda E. A., Postgraduate, G.İLHAN(Student), Investigation of the Parallelization of Green's

Function Method for High-Order Harmonic Generation Simulations

Bleda E. A., Postgraduate, O.OĞUZ(Student), Development of high-order harmonic generation

code using CUDA

Jury Memberships

November 2020 Doctorate, Doctorate, Marmara Üniversitesi

September 2020 Competition, Teknofest 2020, Marmara Üniversitesi

January 2020 Academic Staff Examination, Academic Staff Examination, Marmara Üniversitesi

June 2019 Post Graduate, Post Graduate, Marmara Üniversitesi
May 2019 Post Graduate, Post Graduate, Marmara Üniversitesi

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member,

December 2017

Marmara Üniversitesi

May 2015 Competition, ORTAOKUL AKTİF DENEY YARIŞMASI, AREL Koleji

April 2015 Competition, 7. Aktif Deney Yarışması, AREL Koleji
April 2014 Competition, Aktif Deney Yarışması, AREL Koleji

April 2013 Competition, Aktif Deney Yarışması, AREL Eğitim Kurumları April 2011 Competition, Aktif Deney Yarışması, AREL Eğitim Kurumları

Published journal articles indexed by SCI, SSCI, and AHCI

I. Dielectronic recombination data for dynamic finite-density plasmas. XVI. The phosphorus isoelectronic sequence

Bleda E. A., Altun Z., Badnell N.

ASTRONOMY AND ASTROPHYSICS, vol.668, no.A72, pp.1-12, 2022 (SCI-Expanded)

II. Atoms in Highly Symmetric Environments: H in Rhodium and Cobalt Cages, H in an Octahedral Hole in MgO, and Metal Atoms Ca-Zn in C-20 Fullerenes

ALTUN Z., BLEDA E. A., Trindle C.

SYMMETRY-BASEL, vol.13, no.7, 2021 (SCI-Expanded)

III. Focal Point Evaluation of Energies for Tautomers and Isomers for 3-hydroxy-2-butenamide: Evaluation of Competing Internal Hydrogen Bonds of Types -OH horizontal ellipsis O=, -OH

horizontal ellipsis N, -NH horizontal ellipsis O=, and CH horizontal ellipsis X (X=O and N)

Altun Z., Bleda E. A., Trindle C.

MOLECULES, vol.26, no.9, 2021 (SCI-Expanded)

IV. Bonding Analysis of Compounds with Unusual Coordination of Carbon: Proposed Symmetric Systems with Six-Coordinate Carbon

Trindle C., ALTUN Z., BLEDA E. A.

MOLECULES, vol.25, no.17, 2020 (SCI-Expanded)

V. Drastically enhanced high-order harmonic generation from endofullerenes

Topcu T., Bleda E. A., Altun Z.

PHYSICAL REVIEW A, vol.100, no.6, 2019 (SCI-Expanded)

VI. Production of Carbamic Acid Dimer from Ammonia-Carbon Dioxide Ices: Matching Observed and Computed IR Spectra

ALTUN Z., BLEDA E. A., TRINDLE C.

LIFE-BASEL, vol.9, no.2, 2019 (SCI-Expanded)

VII. A case study of antiaromaticity: carbomethoxy cyclopropenyl anion

ALTUN Z., BLEDA E. A., Trindle C.

TURKISH JOURNAL OF CHEMISTRY, vol.43, no.2, pp.594-613, 2019 (SCI-Expanded)

VIII. Single metal catalysis: DFT and CAS modelling of species involved in the Fe cation assisted

transformation of acetylene to benzene

ALTUN Z., Bleda E. A., Trindle C.

MOLECULAR PHYSICS, vol.115, pp.2185-2200, 2017 (SCI-Expanded)

IX. Computational characterization of isomeric C4H2O systems: Thermochemistry, vibrational frequencies, and optical spectra for butatrienone, ethynyl ketene, butadiynol, and triafulvenone Sahin S., BLEDA E. A., ALTUN Z., Trindle C.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.116, no.6, pp.444-451, 2016 (SCI-Expanded)

X. Studies on spin state preferences in Fe(II) complexes

BLEDA E. A., Trindle C., ALTUN Z.

COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1073, pp.139-148, 2015 (SCI-Expanded)

XI. Thermochemistry of N-Heterocyclic Carbenes with 5-, 4-, 3-, and 2-Membered Rings ALTUN Z., Bleda E. A., Trindle C., Wang J.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.114, no.10, pp.675-687, 2014 (SCI-Expanded)

XII. Phase-dependent interference fringes in the wavelength scaling of harmonic efficiency Yavuz I., Bleda E. A., Altun Z., Topcu T.

PHYSICAL REVIEW A, vol.89, no.5, 2014 (SCI-Expanded)

XIII. High-order-harmonic generation from Rydberg states at fixed Keldysh parameter ALTUN Z., BLEDA E. A., YAVUZ İ., TURKER T.

PHYSICAL REVIEW A, vol.88, no.4, 2013 (SCI-Expanded)

XIV. RECOMBINATION RATE COEFFICIENTS OF BORON-LIKE Ne

Saftar M., IstvanM O., S A., GLANS P., BLEDA E. A., ALTUN Z., SCHUCH R. ASTROPHYSICAL JOURNAL, vol.771, no.2, 2013 (SCI-Expanded)

XV. Structure and energetics of cyclopropane carboxaldehyde

Trindle C., BLEDA E. A., ALTUN Z.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.113, no.8, pp.1155-1161, 2013 (SCI-Expanded)

XVI. Computational thermochemistry of glycolaldehyde

BLEDA E. A., YAVUZ İ., ALTUN Z., Trindle C.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.113, no.8, pp.1147-1154, 2013 (SCI-Expanded)

XVII. Generation of a broadband xuv continuum in high-order-harmonic generation by spatially inhomogeneous fields

YAVUZ İ., BLEDA E. A., ALTUN Z., Topcu T.

PHYSICAL REVIEW A, vol.85, no.1, 2012 (SCI-Expanded)

XVIII. Calculations of diffusion in FCC binary alloys using on-the-fly kinetic Monte Carlo

BLEDA E. A., Gao X., Daw M. S.

COMPUTATIONAL MATERIALS SCIENCE, vol.43, no.4, pp.608-615, 2008 (SCI-Expanded)

Articles Published in Other Journals

 I. CH Activation by a Heavy Metal Cation: Production of H2 from the Reaction of Acetylene with C4H4-Os (+) in Gas phase

Altun Z., Bleda E. A., Trindle C.

C Journal of Carbon Research, vol.7, no.4, pp.1-15, 2021 (ESCI)

Books & Book Chapters

 Focal Point Evaluation of Energies for Tautomers and Isomers for 3-hydroxy-2-butenamide: Evaluation of Competing Internal Hydrogen Bonds of Types -OH . . . O=, -OH . . . N, -NH . . . O=, and CH . . . X (X=O and N)

Altun Z., Bleda E. A., Trındle C.

Refereed Congress / Symposium Publications in Proceedings

I. Probing the adsorption properties of sulfur monoxide on beta12 borophene

Güleryüz C., Bleda E. A.

Turkish Physical Society 39th International Physics Congress, Muğla, Turkey, 31 August - 04 September 2023, pp.139

II. Probing the Phonon Spectrum of Twisted Bilayer Graphene with Machine Learning Methods (Session II07.00006)

İçkecan D., Bleda E. A., Erbahar D.

APS March Meeting 2023, Nevada, United States Of America, 20 - 22 March 2023, pp.1

III. Investigation of Vibrational Properties of Twisted Bilayer Graphene (ID: 5 Graphene and 2D Materials)

İçkecan D., Bleda E. A., Erbahar D.

16th Nanoscience and Nanotechnology Conference, Ankara, Turkey, 5 - 08 September 2022, pp.74

IV. One-photon and Two-photon Absorption in Small Organic Molecules (08PP6)

Mahmoudi S., Bleda E. A., Altun Z., Trindle C.

Turkish Physical Society 38th International Physics Congress, İzmir, Turkey, 31 August - 04 September 2022, pp.349

V. Molecular Junction Conductance of Organic Molecules: from Naphthacene to Rubrene (030P11) Güleryüz C., Bleda E. A.

Turkish Physical Society 38th International Physics Congress, İzmir, Turkey, 31 August - 04 September 2022, pp.143

VI. Green's Function Formalism of nth Order Time-Dependent Perturbation Theory with Improved Accuracy for High-order Harmonic Generation Simulations (010P17)

İlhan G., Bleda E. A.

Turkish Physical Society 38th International Physics Congress, İzmir, Turkey, 31 August - 04 September 2022, pp.69

VII. Prediction of Trajectories of 2-Body Problem Using Deep Learning (070P17)

İLHAN G., BLEDA E. A.

TPS 37th International Physics Congress, Bodrum, Turkey, 01 September 2021

VIII. Probing the Phonon Spectrum of Twisted Bilayer Graphene (030P7)

İÇKECAN D., BLEDA E. A., ERBAHAR D.

TPS 37th International Physics Congress, Bodrum, Turkey, 01 September 2021

IX. Development of a Parallel Green's Function Propagator Algorithm For High-Order Harmonic Generation Simulations (010P12)

İLHAN G., BLEDA E. A.

TPS 37th International Physics Congress, Bodrum, Turkey, 01 September 2021

X. High-order Harmonic Spectra in different gauges can disagree when there is confinement (H71.00270)

Topcu T., Bleda E. A., Altun Z.

APS March Meeting, 15 - 19 March 2021, pp.1

XI. Enhancement of high-order harmonic generation from endohedrally confined atoms (Abstract No: J05.00008)

Topçu T., Bleda E. A., Altun Z.

DAMOP 2020, 1 - 05 June 2020, vol.65, no.4

XII. PARALLEL HIGH-ORDER HARMONIC GENERATION FROM ONE ELECTRON ATOM CODE DESIGNED TO RUN ON NO-ECC FOR DOUBLE PRECISION GPUS BASED ON TRINARY MODULAR REDUNDANCY (TMR) USING CUDA (Session 030P41)

OĞUZ O., ALTUN Z., BLEDA E. A.

Turkish Physical Society 35th International Physics Congress, Bodrum, Turkey, 4 - 08 September 2019

XIII. PERFORMANCE BENCHMARKS OF THREE DIFFERENT CUDA KERNEL FUNCTION IMPLEMENTATIONS FOR THE SIMULATION OF HIGH-ORDER HARMONIC GENERATION FROM ONE ELECTRON ATOM (Session 030P42)

OĞUZ O., ALTUN Z., BLEDA E. A.

Turkish Physical Society 35th International Physics Congress, Bodrum, Turkey, 04 September 2019

XIV. THE UNCERTAINITIES IN DIELECTRONIC RECOMBINATION RATES DUE TO THE AUTOIONIZATION LEVELS (030P68)

OĞUZ O., BLEDA E. A., ALTUN Z.

TFD 34, BODRUM, Turkey, 5 - 09 September 2018

XV. Comparing CPU based results with the results from CUDA GPUs and single-bit error analysis for HHG process (030P9)

OĞUZ O., ALTUN Z., BLEDA E. A.

TFD 34, Bodrum, Turkey, 5 - 09 September 2018

XVI. Hypervalency with First Raw Elements (Oturum 030P33)

Altun Z., Bleda E. A.

Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.237

XVII. Three Views of H atom in unusual Environments:AIM, ELF and NCI analysis of proposed bifurcated H bonding in cobalt phthalate,pentacoordinate H in [H2Rh13(CO)24]3-, and multicoordinate H in defect sites ofMgO and ZnO (Oturum A25)

ALTUN Z., BLEDA E. A., TRINDLE C.

The 16th International Congress of Quantum Chemistry, Menton, France, 18 - 23 June 2018

XVIII. Improving the Efficiency of HHG Code by Partial Parallelization of the Time Propagator (Session 030P61)

BLEDA E. A., ALTUN Z.

Turkish Physical Society 33. International Physics Congress, 6 - 10 September 2017, pp.244

XIX. The Interaction of the Ground and Excited States of H@C60 with Strong Laser Field (Session 030P116)

BLEDA E. A., ALTUN Z.

Turkish Physical Society 33. International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.271

XX. Computational Thermochemistry of Carbamic Acid and Related Compounds (Oturum Nu. PO-114)
ALTUN Z., BLEDA E. A., Trindle C.

WATOC 2017, 27 August - 02 September 2017

XXI. DFT Study of CH bond activation of Os, Ir, Pt reacting with acetylene

ALTUN Z., BLEDA E. A., TRINDLE C.

WATOC 2017 (Oturum No: PO1-71), Munich, Germany, 27 August - 01 September 2017

XXII. Electron-impact ionization cross-sections and rate coefficients for the Si-like ions Se20 (OTURUM NO: FR-80)

ALTUN Z., BLEDA E. A.

ICPEAC2017, Queensland, Australia, 26 July - 01 August 2017

XXIII. Dielectronic Recombination Rate Coefficient of Si-like ions Ni14 (Oturum: FR-79)

ALTUN Z., BLEDA E. A.

ICPEAC2017, Queensland, Australia, 26 July - 01 August 2017

XXIV. Electron Impact Ionization and Rate Coeffcients of Se20 and Se21

BLEDA E. A., ALTUN Z.

Turkish Physical Society 32nd International Physics Congress, Bodrum, Turkey, 6 - 09 September 2016

XXV. SIMULATIONS OF HIGH ORDER HARMONIC GENERATION FROM CONFINED RYDBERG ATOMS BLEDA E. A., ALTUN Z., Topcu T.

Türk Fizik Derneği 32. Uluslararası Fizik Konferansı, 5 - 09 September 2016

XXVI. Electron Impact Ionization Cross Section and Rate Coefficient of Se18 BLEDA E. A., ALTUN Z.

ECAMP 2016, Frankfurt, Germany, 5 - 09 September 2016

XXVII. Modeling Circular Dichroism Spectra for Huperzine Variants Rapid and Nondestructive Analysis Guided by TDDFT Computations

ALTUN Z., BLEDA E. A., Shillady D. D., Trindle C.

Theory and Applications of Computational Chemistry, 28 August - 02 September 2016

XXVIII. Modeling Ferrocene to Titanocene metal metal charge trasfer spectra

ALTUN Z., BLEDA E. A., Trindle C.

The 8th Molecular Quantum Mechanics, Uppsala, Sweden, 26 June - 01 July 2016

XXIX. Modeling of gas phase Fe catalyzed transformation of acetylene to benzene

TIKMAN Y., BLEDA E. A., ALTUN Z.

The 8th Molecular Quantum Mechanics, Uppsala, Sweden, 26 June - 01 July 2016

XXX. High-order harmonic generation from confined Rydberg atoms

Orazymbetov K., BLEDA E. A., ALTUN Z., Topcu T.

29th International Conference on Photonic, Electronic, and Atomic Collisions (ICPEAC), Toledo, Philippines, 22 - 28 July 2015, vol.635

XXXI. Electron-Impact Ionization of Se16+ and Ser(17+) Ions

BLEDA E. A., Tikman Y., ALTUN Z.

29th International Conference on Photonic, Electronic, and Atomic Collisions (ICPEAC), Toledo, Philippines, 22 - 28 July 2015, vol.635

XXXII. Modeling a mechanochromic system pressure induced singlettriplet passage

BLEDA E. A., ALTUN Z., TRINDLE C., CL F.

15th international congress of quantum chemistry (ICQC), PEKIN, China, 8 - 13 June 2015

XXXIII. A case study on anti aromaticity Structure and energetics of the methylcarboxylate cyclopropenyl anion Poster A 3

ŞAHİN S., BLEDA E. A., ALTUN Z., TRINDLE C.

The American Conference on Theoretical Chemistry, TELLURIDE, United States Of America, 20 - 25 July 2014

XXXIV. ŞİDDETLİ LAZER ALANI ALTINDA METALİK NANO PARÇACIK KAYNAKLI PLAZMON ETKİSİNİN YÜKSEK HARMONİK ÜRETİMİNE ETKİSİ Oturum 01 OP10

DEMİRCİ S., BLEDA E. A., ALTUN Z.

Turisk Physical Society 31st International Physical Congress, Bodrum, Turkey, 21 - 24 July 2014

XXXV. Modeling Spin Crossover Complexes

ALTUN Z., BLEDA E. A., TRINDLE C.

The VIIIth Congressof the International Society of Theoretical Chemical Physics (ISTCP VIII) (Session Poster II 2), Budapest, Hungary, 25 - 31 August 2013

XXXVI. Dielectronic Recombination in He like Li like and Be like Iodine and KLM Resonances

BLEDA E. A., YUMAK YAHSİ A., YAVUZ İ., ALTUN Z.

XXVII INTERNATIONAL CONFERENCE ON PHOTONIC, ELECTRONIC AND ATOMIC COLLISIONS (ICPEAC 2011), PTS 1-15, Belfast, K. Irlanda, United Kingdom, 1 - 05 October 2012, vol.388, pp.62038

XXXVII. INTEGRATION OF TECHNOLOGY IN PHYSICS EDUCATION WITH MASTERINGPHYSICS Oturum 05 OP6 BLEDA E. A.

Turkish Physical Society 29th International Physics Congress, Bodrum, Turkey, 5 - 08 September 2012

XXXVIII. Characterization of a Compact Analog to Arduengo Carbenes Poster session III 44

ALTUN Z., BLEDA E. A., TRINDLE C., WANG J.

International Congress of Quantum Chemistry, Boulder, United States Of America, 25 - 30 June 2012

XXXIX. Exploring the high order harmonic generation from Rydberg states with a fixed Keldysh parameter Poster Q1 00030

BLEDA E. A., YAVUZ İ., ALTUN Z., TOPÇU T.

43rd Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics (DAMOP12), United States Of America, 4 - 08 June 2012

XL. Stochastic Enhancement of High-order Harmonic Generation

Yavuz İ., Bleda E. A., Altun Z.

ICPEAC, Belfast, United Kingdom, 27 July - 02 August 2011, vol.388, no.32023, pp.1

XLI. Dielectric Recombination Rate Coefficients of B-Like C (OTURUM NO: 01_OP67)

YUMAK YAHŞİ A., YAVUZ İ., BLEDA E. A., KARAKAŞ V., ALTUN Z.

Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011

XLII. Control of Quantum Path High Order Harmonic Generation via Chaotic Light (OTURUM NO: 01_OP62) YAVUZ İ., BLEDA E. A., ALTUN Z.

Turkish Physical Society 28th International Physics Congress, MIUĞLA, Turkey, 6 - 09 September 2011

XLIII. Dielectronic Recombination in He like Li like and Be like Bismuth and KLM Resonances

YAVUZ İ., YUMAK A., BLEDA E. A., ALTUN Z.

XXVII International Conference on Photonic, Electronic and Atomic Collisions, Belfast, United Kingdom, 27 July - 02 August 2011

XLIV. ELECTRON IMPACT IOIZATION of Li LIKE SILICON Ref 722

ALTUN Z., YUMAK YAHŞİ A., YAVUZ İ., BLEDA E. A.

10th European Conference on Atoms Moelcules and Photons (ECAMP 10), Salamanca, Mexico, 4 - 09 July 2010

XLV. RECOMBINATION RATE COEFFICIENTS of Li LIKE SULFUR Ref 227

YAVUZ İ., YUMAK YAHŞİ A., BLEDA E. A., ALTUN Z.

10th European Conference on Atoms Moelcules and Photons (ECAMP 10), Salamanca, Mexico, 4 - 09 July 2010

XLVI. Recombination Rate Coefficients of Be Like Sulfur

YUMAK A., YAVUZ İ., BLEDA E. A., ALTUN Z.

ECAMP10, 10thEuropean Conference on Atoms Molecules and Photons, Salamanca, Mexico, 4 - 09 July 2010, pp.34

XLVII. Diffusion Limited Processes Using Accelerated Molecular Dynamics (Session B27.00003)

BLEDA E. A., Gao X., Daw M. S.

APS March Meeting, DENVER, United States Of America, 5 - 09 March 2007

XLVIII. Electronic structures of MoS2 nanotubes (Session P27.00010)

Xu L., Daw M. S., Gao X., BLEDA E. A.

APS March Meeting 2007, DENVER, United States Of America, 5 - 09 March 2007

Supported Projects

2024 - 2024	İki Boyutlu Nano Yapıların Özelliklerinin İncelenmesinde Makine Öğrenim Metotlarının Kullanılması, TUBITAK Project
2017 - 2018	Computational Thermochemistry of Carbamic Acid and Related Compounds, Project Supported by Higher Education Institutions
2016 - 2017	Modeling Ferrocene to Titanocene metal-metal charge transfer spectra, Project Supported by Higher Education Institutions
2015 - 2017	Development of a Hybrid Recommendation System for Finanical Sector based on Quantum Mechanics, TUBITAK Project
2015 - 2017	High-order Harmonic Generation from Confined Rydberg Atoms, Project Supported by Higher Education Institutions
2003 - 2007	NSF ITR: Atomic Scale Simulation of Non Glide Processes for Dislocations in Intermetallic Alloys, National Research Fund Supported Project

Patent

2023	Patent
2021	Patent
2020	Patent

2003 - Continues Sigma Pi Sigma (American Honor Society in Physics), Member

2006 - 2007 American Physical Society (APS), Member

Scientific Consultations

2021 - Continues Scientific Consultancy, Pearson2014 - 2021 Scientific Consultancy, invstr

Tasks In Event Organizations

Bleda E. A., 1st International Two-Dimensional Nanomaterials Conference, Scientific Congress,

İstanbul, Turkey

Mobility Activity

2013 - 2013 Erasmus Programme, Lecturing, Lodz Üniversitesi, Poland

Metrics

Publication: 68 Citation (WoS): 174 Citation (Scopus): 183 H-Index (WoS): 4 H-Index (Scopus): 5

Invited Talks

March 2018 As World changes, where does higher education stand? Roadmap for change in higher

education, Conference, 5th Educational Technologies Summit, Turkey

Scholarships

2005 - 2008	Research Assistantship, University
2002 - 2005	Teaching Assistantship, University
2002 - 2005	Yurtdışında lisansüstü eğitim amacıyla bulunmaya yönelik, Foundation
2001 - 2001	Yurtışında araştırma amaçlı bulunmaya yönelik, Foundation

Awards

April 2013 In recognition of my passion and dedication to improve student learning and engagement by

using Pearson's MasteringPhysics, Pearson

March 1997 Fizik Alanında İkincilik, Mef Ulusal Proje Yarışması

Non Academic Experience

2014 - 2020 Company, invstr, Server side / Data Science

2011 - 2011 En-Mer Production