

Assoc. Prof. EKİN ASLAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-3763-2021

ScopusID: 56159823600

Yoksis Researcher ID: 154308

Biography

Dr. Ekin Aslan received the B.S. degree in Electronics Engineering in 2004 from Erciyes University, Kayseri, M.S. degree in Electrical and Electronics Engineering in 2011 from Mustafa Kemal University, Hatay and Ph.D. degree from the Electrical and Electronics Engineering department of Erciyes University, Kayseri, Turkey. She worked as an Assistant Professor in the Departments of Electrical and Electronics Engineering at Nuh Naci Yazgan University and Hatay Mustafa Kemal University. She is currently working as a Professor in the Department of Electrical and Electronics Engineering of Kayseri University. Her research interests include integrated plasmonic systems for bio-detection, vibrational spectroscopy, plasmonic metamaterials, computational and experimental electromagnetics and nanophotonic devices. Dr. Aslan was a recipient of the Doctoral Research Fellowship from the Scientific and Technological Research Council of Turkey (TUBITAK) (2214-A).

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, -, Turkey 2012 - 2017

Postgraduate, Hatay Mustafa Kemal University, Graduate School Of Natural And Applied Sciences, Turkey 2008 - 2011

Undergraduate, Erciyes University, Mühendislik Fakültesi, Electronics Engineering, Turkey 1999 - 2004

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Design and fabrication of fractal shaped plasmonic nanoantenna arrays for biosensing applications, Erciyes University, Fen Bilimleri Enstitüsü, -, 2017

Postgraduate, TEM mode electromagnetic wave radiation from semi-infinite parallel plate waveguide with sinusoidal wall corrugation, Hatay Mustafa Kemal University, Graduate School Of Natural And Applied Sciences, 2011

Research Areas

Electrical and Electronics Engineering, Nanotechnology, Optics and Photonics, Electromagnetic Waves, Antennas and Propagation, Photonic Band Spacing Structures, Planar Buildings, Optical Materials and Devices

Academic Titles / Tasks

Associate Professor, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2022 - Continues

Assistant Professor, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - 2022

Assistant Professor, Hatay Mustafa Kemal University, Faculty Of Engineering, 2018 - 2021

Assistant Professor, Nuh Naci Yazgan University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2017 - 2018

Visiting Lecturer, Erciyes University, Kayseri Meslek Yüksekokulu, 2017 - 2017

Research Assistant, Hatay Mustafa Kemal University, Faculty Of Engineering, 2010 - 2013

Academic and Administrative Experience

Adaptation/Exemption Committee Member, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2023 - Continues

Eğitim ve Müfredat Kurulu üyesi, Kayseri University, Rektörlük, 2022 - Continues

Erasmus Program Department Coordinator, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - Continues

Erasmus Program Department Coordinator, Kayseri University, Lisansüstü Eğitim Enstitüsü, 2021 - Continues

Erasmus Program Department Coordinator, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, 2021 - Continues

University Academic Incentive Evaluation Commission Member, Kayseri University, Rektörlük, 2022 - 2024

Head of Department, Kayseri University, Mühendislik, Mimarlık Ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - 2024

Department Academic Incentive Evaluation Commission Member, Kayseri University, Mühendislik, Mimarlık Ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - 2024

Birim Kalite Komisyonu Üyesi, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2022 - 2023

Head of External Relations Office Board, Kayseri University, Rektörlük, External Relations Office, 2021 - 2022

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Kayseri University, Rektörlük, Continuing Education Application and Research Center, 2021 - 2022

Head of External Relations Office, Kayseri University, Rektörlük, External Relations Office, 2021 - 2022

Birim Stratejik Plan Komisyonu Üyesi, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - 2022

Deputy Head of Department, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - 2022

Birim Kalite Komisyonu Üyesi, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, 2021 - 2022

Assistant Manager of Research and Application Center, Kayseri University, KALİTE VE STRATEJİ GELİŞTİRME UYGULAMA VE ARAŞTIRMA MERKEZİ, 2021 - 2021

Birim Kalite Komisyonu Üyesi, Hatay Mustafa Kemal University, Faculty Of Engineering, 2020 - 2021

Yüksekokul Yönetim Kurulu Üyesi, Hatay Mustafa Kemal University, Vocational School, 2019 - 2021

Vice Dean, Hatay Mustafa Kemal University, Faculty Of Engineering, 2019 - 2021

Head of Department, Hatay Mustafa Kemal University, Faculty Of Engineering, 2018 - 2021

Courses

Elektromanyetik Dalga Teorisi, Undergraduate, 2024 - 2025
UZMANLIK ALAN DERSİ 2, Postgraduate, 2023 - 2024
UZMANLIK ALAN DERSİ 3, Postgraduate, 2024 - 2025
Elektromanyetik Teoride Analitik ve Sayısal Yöntemler, Postgraduate, 2024 - 2025
TEZ ÇALIŞMASI 2, Postgraduate, 2023 - 2024
Elektromanyetik Alan Teorisi, Undergraduate, 2023 - 2024
MÜHENDİSLİK TASARIM PROJESİ, Undergraduate, 2024 - 2025
MİKRO VE NANO ÜRETİM TEKNİKLERİ, Doctorate, 2023 - 2024
TEZ ÇALIŞMASI 1, Doctorate, 2024 - 2025
NÜMERİK ANALİZ, Undergraduate, 2023 - 2024
OPTİK SPEKTROSKOPİ, Doctorate, 2023 - 2024
Kariyer Planlama, Undergraduate, 2024 - 2025
LOJİK DEVRELERE GİRİŞ, Undergraduate, 2024 - 2025
NANOANTENLER, Doctorate, 2024 - 2025
TEZ ÇALIŞMASI 3, Postgraduate, 2024 - 2025
TEZ ÇALIŞMASI 2, Doctorate, 2023 - 2024
ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİNE GİRİŞ, Undergraduate, 2023 - 2024
UZMANLIK ALAN DERSİ 2, Doctorate, 2023 - 2024
İleri Elektromanyetik Teori, Postgraduate, 2024 - 2025
MÜHENDİSLİK MATEMATİĞİ 1, Undergraduate, 2024 - 2025
UZMANLIK ALAN DERSİ 1, Doctorate, 2024 - 2025
NEMS ve MEMS, Doctorate, 2024 - 2025
Doktora Yeterlilik, Doctorate, 2022 - 2023
TEZ ÇALIŞMASI 1, Postgraduate, 2023 - 2024
UZMANLIK ALAN DERSİ 1, Postgraduate, 2023 - 2024
DOKTORA YETERLİLİK, Doctorate, 2023 - 2024
Bilimsel Araştırma Teknikleri ve Etik, Postgraduate, 2021 - 2022
FİBER OPTİK TEKNOLOJİSİ, Postgraduate, 2021 - 2022
FOTONİĞİN TEMELLERİ, Postgraduate, 2021 - 2022
Matematik-I, Associate Degree, 2021 - 2022
Elektronik Devreler-II, Undergraduate, 2017 - 2018
Mühendislik Matematği-II, Undergraduate, 2017 - 2018
Elektromanyetik Dalga Teorisi, Undergraduate, 2017 - 2018
Lojik Devre Tasarımı, Undergraduate, 2017 - 2018
Bitirme Ödevi, Undergraduate, 2017 - 2018
Lojik Laboratuvarı, Undergraduate, 2017 - 2018
Nanomalzemelerin ve Nanoteknolojinin Temelleri, Undergraduate, 2017 - 2018
Elektrik-Elektronik Mühendisliğine Giriş, Undergraduate, 2017 - 2018
Elektronik Elemanlar, Undergraduate, 2017 - 2018
Sayısal Elektronik, Associate Degree, 2016 - 2017
Analog Elektronik, Associate Degree, 2016 - 2017
Elektronik Tasarım ve Uygulamaları, Undergraduate, 2017 - 2018
Mühendislik Matematği- I, Undergraduate, 2017 - 2018
Lojik Devrelere Giriş, Undergraduate, 2017 - 2018
Bilgisayar Destekli Tasarım, Associate Degree, 2016 - 2017

Supervised Theses

Aslan E., Ayarlanabilir Metayüzey Tasarımları, Doctorate, Y.UÇAR(Student), Continues

Türkmen M., Aslan E., Biyomedikal Uygulamalar için Metalens Tasarım ve Üretimi, Doctorate, M.KIRLAR(Student), Continues

Aslan E., Lityum İyon Hücrelerin Katot Aktif Maddesinde Yaygın olarak Kullanılan Bileşenlerin Grafen Türevleri ile Zenginleştirilerek Üretilmesi, Postgraduate, B.ALPARSLAN(Student), 2024

Aslan E., Plasmonic and Alternative Plasmonic Based Metalens Designs for the Wavelength of 850 nm, Postgraduate, B.ERSOY(Student), 2023

Aslan E., Tungsten Disülfid ile Desteklenen Altın Nanoanten Dizilerinin Faz Değişim Analizleri, Postgraduate, D.Gümüüşcü(Student), 2022

Jury Memberships

Doctoral Examination, Doctoral Examination, Kayseri Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, December, 2023

Post Graduate, Post Graduate, Koç Üniversitesi, September, 2023

Post Graduate, Post Graduate, Kayseri Üniversitesi, August, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, July, 2023

Post Graduate, Post Graduate, Kayseri Üniversitesi, July, 2023

Doctoral Examination, Doctoral Examination, Kayseri Üniversitesi, June, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Simple and hybrid metalens with high polarization conversion efficiency for near-infrared spectrum**
KIRLAR M., ASLAN E., ASLAN E., TÜRKMEN M.
OPTICAL MATERIALS, vol.157, 2024 (SCI-Expanded)
- II. **Engineering the boosting of the magnetic Purcell factor with a composite structure based on nanodisk and ring resonators**
Aslan E., Aslan E.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.36, no.10, pp.1339-1351, 2022 (SCI-Expanded)
- III. **Lensing for optical communication by diffraction from Peano curve-based fractal with alternative plasmonic material**
Aslan E.
OPTİK, vol.242, pp.1-11, 2021 (SCI-Expanded)
- IV. **Conformal Talbot-effect-focusing performance of nested gallium-doped zinc oxide nanorings at communication wavelength**
Aslan E.
PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS, vol.42, 2020 (SCI-Expanded)
- V. **An effective triple-band enhanced-infrared-absorption detection by honeycomb-shaped metamaterial-plasmonic absorber**
Aslan E., Aslan E., SARAÇOĞLU Ö. G., TÜRKMEN M.
SENSORS AND ACTUATORS A-PHYSICAL, vol.288, pp.149-155, 2019 (SCI-Expanded)
- VI. **Metamaterial plasmonic absorber for reducing the spectral shift between near- and far-field responses in surface-enhanced spectroscopy applications**
Asian E., Aslan E., TÜRKMEN M., SARAÇOĞLU Ö. G.
SENSORS AND ACTUATORS A-PHYSICAL, vol.267, pp.60-69, 2017 (SCI-Expanded)
- VII. **Experimental and numerical characterization of a mid-infrared plasmonic perfect absorber for dual-band enhanced vibrational spectroscopy**
Aslan E., Aslan E., TÜRKMEN M., SARAÇOĞLU Ö. G.

OPTICAL MATERIALS, vol.73, pp.213-222, 2017 (SCI-Expanded)

- VIII. **Square fractal-like nanoapertures for SEIRA spectroscopy: An analytical, numerical and experimental study**
Aslan E., Turkmen M.
SENSORS AND ACTUATORS A-PHYSICAL, vol.259, pp.127-136, 2017 (SCI-Expanded)
- IX. **Polarization insensitive plasmonic perfect absorber with coupled antisymmetric nanorod array**
Aslan E., Kaya S., Aslan E., Korkmaz S., SARAÇOĞLU Ö. G., Turkmen M.
SENSORS AND ACTUATORS B-CHEMICAL, vol.243, pp.617-625, 2017 (SCI-Expanded)
- X. **Multispectral Cesaro-Type Fractal Plasmonic Nanoantennas**
Aslan E., Aslan E., Wang R., Hong M. K., Erramilli S., TÜRKMEN M., SARAÇOĞLU Ö. G., Dal Negro L.
ACS PHOTONICS, vol.3, no.11, pp.2102-2111, 2016 (SCI-Expanded)
- XI. **Quantification of Multiple Molecular Fingerprints by Dual-Resonant Perfect Absorber**
Cetin A. E., Korkmaz S., Durmaz H., Aslan E., Kaya S., Paiella R., TÜRKMEN M.
ADVANCED OPTICAL MATERIALS, vol.4, no.8, pp.1274-1280, 2016 (SCI-Expanded)
- XII. **Refractive index sensing characteristics of dual resonances in rectangular fractal nano-apertures**
Aslan E., TÜRKMEN M.
OPTICAL MATERIALS, vol.46, pp.423-428, 2015 (SCI-Expanded)
- XIII. **Dual-band plasmonic resonator based on Jerusalem cross-shaped nanoapertures**
Cetin A. E., Kaya S., Mertiri A., Asian E., Erramilli S., Altag H., TÜRKMEN M.
PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS, vol.15, pp.73-80, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Mathematical modelling of fiber optic cable with an electro-optical cladding by incommensurate fractional-order differential equations**
Ersoy B., Daşbaşı B., Aslan E.
An International Journal of Optimization and Control: Theories & Applications, vol.14, no.1, pp.50-61, 2024 (Scopus)
- II. **Tungsten disulfide based anisotropic metalens for refractive index sensing applications in visible region**
Kırlar M., Aslan E., Aslan E., Türkmen M.
OPTİK, vol.290, no.-, pp.1-9, 2023 (Scopus)
- III. **Analysis of Dual-Band Plasmonic Nanoantenna with Ultra-Thin Circular Gold Layers in Visible Region**
Demirtas H., Turkmen M., Aslan E., Aslan E.
The European Journal of Research and Development, vol.2, no.2, pp.329-337, 2022 (Peer-Reviewed Journal)
- IV. **GRAPHENE-TUNABLE MID-INFRARED METAMATERIALS BASED ON TITANIUM NITRIDE NANORODS**
Aslan E., Aslan E.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.4, pp.1269-1277, 2020 (Peer-Reviewed Journal)
- V. **A MICROLENS BY GALLIUM DOPED ZINC OXIDE-NANOANTENNA**
Aslan E., Aslan E.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.3, pp.931-942, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Design and Analysis of Titanium Nitride-Based Metalens for Efficient Light Focusing at 1550 nm Fiber Optical Wavelength**
Uçar Y., Aslan E., Aslan E.
in: Engineering Solutions from Photovoltaics to Wearable Technologies, Assoc. Prof. Bilal Tütüncü, Editor, BIDGE

Publications, Ankara, pp.132-146, 2024

- II. **High Q-Factor Dual Resonance Visible Plasmonic Array**
Demirtaş H., Türkmen M., Aslan E., Aslan E.
in: Advances in Electrical, Electronics and Communications Engineering: Innovations Shaping the Future, İshak Parlar, Editor, BİDGE Publications, Ankara, pp.5-15, 2024
- III. **Design of a Titanium Nitride-Based Metasurface for 30 Degree Deflection at 1550 nm**
Uçar Y., Aslan E., Aslan E.
in: Advances in Electrical, Electronics and Communications Engineering: Innovations Shaping the Future, Dr. İshak PARLAR, Editor, BİDGE Publications, Ankara, pp.37-52, 2024
- IV. **Production of Commonly Used Components in the Cathode Active Substance of Lithium-Ion Cells by Enrichment with Graphene Derivatives**
Alparslan B., Aslan E.
in: Current Studies on Electrical-Electronics and Communication Engineering, HASAN ÜZMUŞ, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.154-172, 2023
- V. **Multifocal Metalens with Titanium Nitride Aperiodic Nanoapertures for Fiber Optical Wavelengths**
Ersoy B., Aslan E., Aslan E.
in: Current Debates on Natural and Engineering Sciences 9, Hikmet Y. ÇOĞUN, İshak PARLAR, Hasan ÜZMUŞ, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.93-105, 2023
- VI. **Axicon Metalens Design with Gold Aperture-Based Nanoantennas**
Ersoy B., Aslan E., Aslan E.
in: Current Debates on Natural and Engineering Sciences 9, Hikmet Y. ÇOĞUN, İshak PARLAR, Hasan ÜZMUŞ, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.83-92, 2023
- VII. **Analysis of Tungsten Disulfide Contribution to the Reflected Phase of the Four-Arm Bilayer Nanoantenna Structure**
Gümüşcü D., Aslan E., Aslan E.
in: Current Debates on Natural and Engineering Sciences 3, Hikmet Y. ÇOĞUN, Zeynel KARACAGİL, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.53-59, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Design and Analysis of Titanium Nitride-Based Metalens for Efficient Light Focusing at 1550 nm Fiber Optical Wavelength**
Uçar Y., Aslan E., Aslan E.
4th International Congress on Multidisciplinary Natural Sciences and Engineering, Ankara, Turkey, 7 - 08 December 2024, pp.46
- II. **High Q-factor Dual Resonance Visible Plasmonic Array**
Demirtaş H., Türkmen M., Aslan E., Aslan E.
4th International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 - 25 May 2024, pp.160
- III. **Design of a Titanium Nitride-Based Metasurface for 30 Degree Deflection at 1550 nm**
Uçar Y., Aslan E., Aslan E.
4th International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 - 25 May 2024, pp.165
- IV. **Enhanced Production of Cathode Active Materials for Lithium-Ion Cells through Enrichment with Graphene Derivatives**
Alparslan B., Aslan E.
3rd International Congress on Multidisciplinary Natural Sciences and Engineering (ICOMNAS 2023), Ankara, Turkey, 7 - 08 December 2023, pp.44
- V. **Görünür Bölgede Galyum Katkılı Çinko Oksit Metalensin Tasarımı**
Kırlar M., Aslan E., Türkmen M., Aslan E.
URSI-TÜRKİYE 2023 XI. Bilimsel Kongresi, İstanbul, Turkey, 31 August - 02 September 2023, pp.1-3
- VI. **Tungsten Disulfide Metalens in Visible Region**

Kırlar M., Aslan E., Aslan E., Türkmen M.

17th INTERNATIONAL NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 27 - 29 August 2023, pp.127

- VII. **Axicon Metalens Design with Gold Aperture-Based Nanoantennas**
Ersoy B., Aslan E., Aslan E.
3th International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 - 25 May 2023, pp.109
- VIII. **Multifocal Metalens with Titanium Nitride Aperiodic Nanoapertures for Fiber Optical Wavelengths**
Ersoy B., Aslan E., Aslan E.
3th International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 - 25 May 2023, pp.110
- IX. **Analysis of Dual-Band Plasmonic Nanoantenna with Ultra-Thin Circular Gold Layers in Visible Region**
Demirtaş H., Türkmen M., Aslan E., Aslan E.
ESCICONF 2022 - International Conference On Emerging Sources In Science, İstanbul, Turkey, 26 - 27 May 2022, pp.302
- X. **Far-Field and Near-Field Characteristics of Plasmonic Elliptical Nanoaperture Arrays**
Demirtaş H., Türkmen M., Aslan E., Aslan E.
TURK-COSE 2022 4th International Turkic World Congress on Science and Engineering, Niğde, Turkey, 23 - 24 June 2022, pp.117-123
- XI. **All-Dielectric Nanophotonic Sensor Based on PbTe Nanocuboids**
Aslan E., Aslan E.
TURK-COSE 2022 4th International Turkic World Congress on Science and Engineering, Niğde, Turkey, 23 - 24 June 2022, pp.94-101
- XII. **Analysis of Tungsten Disulfide Contribution to the Reflected Phase of the Four-Arm Bilayer Nanoantenna Structure**
Gümüüşcü D., Aslan E., Aslan E.
2. International Congress of Engineering and Natural Sciences Studies (ICENSS 2022), Ankara, Turkey, 7 - 09 May 2022, pp.117
- XIII. **Focusing Capability of Cantor Fractal Based Optical Metamaterial**
Aslan E., Aslan E.
TURK-COSE 2021 3rd International Turkic World Congress on Science and Engineering, Niğde, Turkey, 14 - 15 June 2021, pp.898-906
- XIV. **Visuality for Understanding: Effectiveness of Representational Guidance in Scientific Articles**
Aslan E., Aslan E.
ART&DESIGN-2021 International Congress on Art and design Research and Exhibition, Niğde, Turkey, 21 - 22 June 2021, pp.1181-1187
- XV. **Enhancement of Magnetic Dipole Spontaneous Emission with Silicon Hollow Nanocuboid Resonator in Visible Range**
Kaba Ş., Hameş Y., Aslan E., Aslan E.
HORA 2021 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 11 - 13 June 2021, pp.1-4
- XVI. **Absorption Characteristics of 3D-Patterned AZO Nanoantennas**
Aslan E., Aslan E.
2nd Cilicia International Symposium on Engineering and Technology (CISSET 2019), Mersin, Turkey, 10 - 12 October 2019, pp.285-289
- XVII. **Multilayer Plasmonic Absorber Based Metamaterial for Refractive Index Sensing and Surface Enhanced Spectroscopy Applications**
Aslan E., Aslan E., Saraçoğlu Ö. G., Türkmen M.
ICAT'17 International Conference on Advanced Technology Sciences, Konya, Turkey, 9 - 12 May 2017, pp.205

Supported Projects

Aslan E., Türkmen M., Aslan E., TUBITAK Project, Design, Fabrication and Characterization of Meta-Lenses for Infrared and Visible Wavelengths, 2022 - 2025

Aslan E., Aslan E., Gümüşcü D., Ersoy B., Project Supported by Higher Education Institutions, Tungsten Disulfide Supported Plasmonic Metasurface Design, 2022 - 2024

Aslan E., Aslan E., Project Supported by Higher Education Institutions, Tamamen Dielektrik veya Plazmonik Metayüzey Yaklaşımlarıyla Düz Optik Bileşen Tasarımı, 2020 - 2022

Aslan E., Aslan E., Project Supported by Higher Education Institutions, Spektral Özellikleri Dinamik Olarak Ayarlanabilen Metamalzemelerin Tasarımı, 2019 - 2021

Aslan E., Aslan E., Türkmen M., Saraçoğlu Ö. G., Project Supported by Higher Education Institutions, Fotonik Metamalzemelerin Biyosensör Potansiyelinin Araştırılması, 2015 - 2017

Aslan E., Türkmen M., Project Supported by Higher Education Institutions, Biyosensör Uygulamaları için Fraktal Geometrilik Plazmonik Nanoanten Dizileri Tasarım ve Üretimi, 2015 - 2017

Türkmen M., TUBITAK Project, Biyo-Sensör Uygulamaları İçin Plazmonik Tabanlı Nanoanten Dizileri Tasarımı, 2013 - 2015

Aslan E., Türkmen M., Project Supported by Higher Education Institutions, Güneş Enerji Pili Uygulamaları İçin Metamalzeme Tabanlı Mükemmel Soğurucular, 2014 - 2014

Hameş Y., TUBITAK Project, Polimer Güneş Pilleri Yapımı, 2007 - 2010

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, -, Turkey, June 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, -, Turkey, June 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, -, Turkey, June 2024

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Istanbul Gedik University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Samsun University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Acibadem Mehmet Ali Aydınlar University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erciyes University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Istanbul Gedik University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Afyon Kocatepe University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Yıldız Technical University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Acibadem Mehmet Ali Aydınlar University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Samsun University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Necmettin Erbakan University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Bayburt University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Samsun University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Samsun University, Turkey, August 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Yıldız Technical University, Turkey, August 2023

Turkey, August 2023

PHYSICA SCRIPTA, SCI Journal, May 2023

TUBITAK Project, 2209-B - Sanayiye Yönelik Lisans Araştırma Projeleri Destekleme Programı, Fatih Sultan Mehmet Foundation University, Turkey, November 2022

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