

**Assoc. Prof. BEHÇET ÖZGÜR  
ALAYDİN**



**Personal Information**

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**International Researcher IDs**

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Publons / Web Of Science ResearcherID: AAF-5415-2019

ScopusID: 57199505477

Yoksis Researcher ID: 111017



**Education Information**

Undergraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Elektrik Elektronik Mühen., Turkey 2015 - 2023

Post Doctorate, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Department of Physics, Switzerland 2019 - 2021

Doctorate, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, Turkey 2014 - 2018

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, Turkey 2011 - 2014

Undergraduate, Anadolu University, Faculty Of Science, Department Of Physics, Turkey 2004 - 2010

**Foreign Languages**

English, C2 Mastery

**Dissertations**

Doctorate, Düşey Kovuklu Yüzey Işımalı Lazer Yapılarının Büyütülmesi ve Karakterizasyonu, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2018

Postgraduate, Ge üzerine büyütülen GaAs yapısının X-ışını kırınımı yöntemi ile incelenmesi, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2014

**Research Areas**

Physics, Natural Sciences

**Academic Titles / Tasks**

Associate Professor, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Elektronik Ve Otomasyon, 2022 - Continues

Assistant Professor, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Elektronik Ve Otomasyon, 2022 - 2022

Research Assistant PhD, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2018 - 2022

Research Assistant, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2011 - 2018

## Courses

Elektrik Makineleri ve Sürücüleri, Associate Degree, 2022 - 2023

Fiber Optik Haberleşmesi, Associate Degree, 2022 - 2023

Direct Current Circuit Theory, Associate Degree, 2023 - 2024

Sistem Analizi ve Tasarımı, Associate Degree, 2022 - 2023

Sayısal Haberleşme, Associate Degree, 2022 - 2023

Elektrik Makinaları, Undergraduate, 2022 - 2023

Bilgisayar Programlama, Associate Degree, 2022 - 2023

Mesleki İngilizce, Associate Degree, 2022 - 2023

Optik Elektronik, Associate Degree, 2022 - 2023

Fizik I Mekanik, Undergraduate, 2021 - 2022

Fizik I Laboratuvarı, Undergraduate, 2021 - 2022

## Research Infrastructure Information

Alaydin B. Ö., Yarıiletken Disk Lazer Laboratuvarı, July 2022

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

- I. **High harmonic generations triggered by the intense laser field in GaAs/Al<sub>x</sub>Ga<sub>1-x</sub>As honeycomb quantum well wires**  
Alaydin B. Ö., Altun D., Öztürk O., Öztürk E.  
Materials Today Physics, vol.38, 2023 (SCI-Expanded)
- II. **High harmonic generations in GaAs/AlGaAs superlattice: Effect of electric and magnetic field**  
Öztürk E., Altun D., Öztürk O., Alaydin B. Ö.  
Solid State Communications, vol.372, 2023 (SCI-Expanded)
- III. **Optical properties of Al<sub>x</sub>In<sub>y</sub>Ga<sub>1-x-y</sub>As/Al<sub>z</sub>Ga<sub>w</sub>In<sub>1-z-w</sub>As quantum wells under electric and magnetic fields for telecommunication applications**  
Kaynar E., ALAYDİN B. Ö.  
European Physical Journal Plus, vol.138, no.2, 2023 (SCI-Expanded)
- IV. **Linear and nonlinear optical properties of semi-elliptical InAs quantum dots: Effects of wetting layer thickness and electric field**  
ALAYDİN B. Ö., ALTUN D., ÖZTÜRK E.  
Thin Solid Films, vol.755, 2022 (SCI-Expanded)
- V. **Bandgap engineering, monolithic growth, and operation parameters of GaSb-based SESAMs in the 2–2.4 μm range**  
Özgür Alaydin B. Ö., Gaulke M., Heidrich J., Golling M., Barh A., Keller U.  
Optical Materials Express, vol.12, no.6, pp.2382-2394, 2022 (SCI-Expanded)
- VI. **Linear and nonlinear optical properties of a superlattice with periodically increased well width under electric and magnetic fields**  
ALTUN D. D., ÖZTÜRK O., ALAYDİN B. Ö., ÖZTÜRK E.  
MICRO AND NANOSTRUCTURES, vol.166, 2022 (SCI-Expanded)

- VII. **324-fs Pulses From a SESAM Modelocked Backside-Cooled 2- $\mu$ m VECSEL**  
Heidrich J., Gaulke M., Golling M., Alaydin B. Ö., Barh A., Keller U.  
IEEE PHOTONICS TECHNOLOGY LETTERS, vol.34, no.6, pp.337-340, 2022 (SCI-Expanded)
- VIII. **Intense laser field effect on the nonlinear optical properties of triple quantum wells consisting of parabolic and inverse-parabolic quantum wells**  
Öztürk O., Alaydin B. Ö., Altun D., Öztürk E.  
Laser Physics, vol.32, no.3, 2022 (SCI-Expanded)
- IX. **High-power low-noise 2-GHz femtosecond laser oscillator at 2.4  $\mu$ m**  
Barh A., Alaydin B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C. R., Keller U.  
OPTICS EXPRESS, vol.30, no.4, pp.5019-5025, 2022 (SCI-Expanded)
- X. **High average output power from a backside-cooled 2- $\mu$ m InGaSb VECSEL with full gain characterization**  
Gaulke M., Heidrich J., Alaydin B. Ö., Golling M., Barh A., Keller U.  
OPTICS EXPRESS, vol.29, no.24, pp.40360-40373, 2021 (SCI-Expanded)
- XI. **Characterization of multilayer Al doping in ZnO**  
Şenadım Tüzemen E., Merhan Muğlu G., Alaydin B. Ö., Altun D., Cetin S. K., Gür E.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.4, pp.1039-1047, 2021 (SCI-Expanded)
- XII. **Full optical SESAM characterization methods in the 1.9 to 3- $\mu$ m wavelength regime**  
Heidrich J., Gaulke M., Alaydin B. Ö., Golling M., Barh A., Keller U.  
Optics Express, vol.29, no.5, pp.6647-6656, 2021 (SCI-Expanded)
- XIII. **Watt-level and sub-100-fs self-starting mode-locked 2.4- $\mu$ m Cr:ZnS oscillator enabled by GaSb-SESAMs**  
Barh A., Heidrich J., Alaydin B. Ö., Gaulke M., Golling M., Phillips C., Keller U.  
Optics Express, vol.29, no.4, pp.5934-5946, 2021 (SCI-Expanded)
- XIV. **Effect of high bandgap AlAs quantum barrier on electronic and optical properties of In<sub>0.70</sub>Ga<sub>0.03</sub>As/Al<sub>0.60</sub>In<sub>0.40</sub>As superlattice under applied electric field for laser and detector applications**  
Alaydin B. Ö.  
International Journal of Modern Physics B, vol.35, 2021 (SCI-Expanded)
- XV. **Formation of carbon nanowalls by pulsed filtered cathodic vacuum arc deposition**  
Tuzemen E., Kilic M., Zeyrek B. K., Kasapoğlu A. E., Gür E., Alaydin B. Ö., Esen M., Esen R.  
DIAMOND AND RELATED MATERIALS, vol.93, pp.200-207, 2019 (SCI-Expanded)
- XVI. **Comprehensive structural and optical characterization of AlAs/GaAs distributed Bragg reflector**  
Alaydin B. Ö., Tuzemen E., Altun D., Elagoz S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.33, no.8, 2019 (SCI-Expanded)
- XVII. **Simulation of Highly Reflective GaN/Al<sub>x</sub>Ga<sub>1-x</sub>N Distributed Bragg Reflector Structure for UV-Blue LEDs**  
Alaydin B. Ö., Altuntas İ., Tuzemen E., Elagoz S.  
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.13, no.3, pp.387-393, 2018 (SCI-Expanded)
- XVIII. **Interband transitions dependent on indium concentration in Ga<sub>1-x</sub>In<sub>x</sub>As/GaAs asymmetric triple quantum wells**  
Alaydin B. Ö., Ozturk E., Elagoz S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.32, no.5, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effect of quantum barrier height on the linear and nonlinear optical properties of GaAs/AlGaAs Quantum Well**  
Altun D., Altun K., Alaydin B. Ö.  
Teknik Meslek Yüksekokulları Akademik Araştırma Dergisi, vol.1, no.1, pp.27-30, 2022 (Peer-Reviewed Journal)

- II. **Optical Properties of Gaas/Alxga1-xas Superlattice Under E-Field for Quantum Cascade Laser Application**  
ALAYDİN B. Ö.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, pp.1179-1191, 2021 (ESCI)
- III. **Optical and Structural Properties of MOCVD Grown InxGa1-xAs Epilayers**  
ALAYDIN B. Ö., ŞENADIM TÜZEMEN E., DEMİR İ., ELAGÖZ S.  
Cumhuriyet Science Journal, vol.38, no.4, pp.681-689, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Mikrodenetleyici Tabanlı CNC Kontrolü ve Düşük Güçlü Lazer Tasarımı**  
Altun D., Alaydin B. Ö.  
in: Endüstride Dijitalleşme Örnekleri, Dr. Öğr. Üyesi Serkan GÜLDAL, Editor, İksad Yayınevi, Ankara, pp.111-124, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Cavity Design and Efficiency In Optical Pumped High Power Vertical External Cavity Surface Emitting Lasers (VECSEL) In The 950-1050 Nm Wavelength Range**  
BULUT F. E., ALTUN D., ALAYDİN B. Ö., ÖZTÜRK E.  
6. Uluslararası Azerbaycan Fen, Mühendislik, Matematik ve Uygulamalı Bilimler Kongresi, Baku, Azerbaijan, 20 March 2024
- II. **Structural and Optical Properties of Quaternary Alloy Grown by Molecular Beam Epitaxy**  
Ergürhan A. A., Erenoğlu S. E., ARPAPAY B., KULAKCI M., ALAYDİN B. Ö., ALTUN D., SERİNCAN U.  
International Conference on Thin Films 2023, Burgos, Spain, 26 - 29 September 2023
- III. **Growth and Characterization of GaSb Based Semiconductor Saturable Absorber Mirror**  
ARPAPAY B., Ergürhan A. A., Erenoğlu S. E., ALAYDİN B. Ö., ALTUN D., KULAKCI M., SERİNCAN U.  
International Conference on Thin Films 2023, Burgos, Spain, 26 - 29 September 2023
- IV. **Sputtered AlN for Distributed Bragg Reflectors Operating in the SWIR Wavelengths**  
Kaynar E., Hopoglu H., ALTUNTAŞ İ., DEMİR İ., SAYRAÇ M., Tüzemen E., ALAYDİN B. Ö.  
Novel Optical Materials and Applications, NOMA 2022, Maastricht, Netherlands, 24 - 28 July 2022
- V. **ABSORPTION COEFFICIENT AND REFRACTIVE INDEX CHANGE OF EXPONENTIALLY CONFINED IN0.52GA0.48AS QUANTUM WELL**  
ALAYDİN B. Ö.  
International Conference on Engineering Technologies - ICENTE21, 18 November 2021
- VI. **Optical Properties of Semi-Elliptical InAs Quantum Dots**  
ALAYDİN B. Ö.  
9TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM (IATS'21), Turkey, 27 October 2021
- VII. **High-Power SESAM-modelocked Ho: YAG laser at 2090 nm**  
Tomilov S., Hoffman M., Heidrich J., ALAYDİN B. Ö., Golling M., Wang Y., Keller U., Saraceno C. J.  
Advanced Solid State Lasers, 03 October 2021
- VIII. **Towards 2-µm high-power ultrafast thin-disk lasers**  
Wang Y., Tomilov S., Hoffman M., Heidrich J., ALAYDİN B. Ö., Golling M., Keller U.  
European Optical Society Annual Meeting 2021 (EOSAM 2021), 13 September 2021
- IX. **Development and optical characterization of 2.1-µm SESAMs optimized for high-power operation in Ho-doped lasers**  
Heidrich J., Gaulke M., ALAYDİN B. Ö., Golling M., barh A., Keller U.  
European Optical Society Annual Meeting 2021 (EOSAM 2021), 13 September 2021
- X. **2.4-µm SESAM modelocked high-power repetition rate scalable femtosecond Cr: ZnS oscillator**

barh A., ALAYDİN B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C., Keller U.

European Optical Society Annual Meeting 2021 (EOSAM 2021), 13 September 2021

- XI. **SESAM-modelocked Ho: YAG thin-disk laser with 40.5 W of average power**  
Tomilov S., Hoffman M., Heidrich J., ALAYDİN B. Ö., Golling M., Wang Y., Keller U., Saraceno C. J.  
CLEO: Science and Innovations, 05 September 2021
- XII. **2.35- $\mu\text{m}$  InGaSb/GaSb SESAM**  
Barh A., ALAYDİN B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C., Keller U.  
CLEO: Science and Innovations, San-Jose, Costa Rica, 05 September 2021
- XIII. **Full Mid-Infrared Characterization of InGaSb SESAMs**  
Heidrich J., Gaulke M., ALAYDİN B. Ö., Golling M., Barh A., Keller U.  
CLEO: Science and Innovations, 05 September 2021
- XIV. **Mid-infrared type-I InGaSb/GaSb quantum well SESAM**  
ALAYDİN B. Ö., Heidrich J., Gaulke M., Golling M., barh A., Keller U.  
2021 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC), 21 June 2021
- XV. **Gain characterization of 2- $\mu\text{m}$  GaSb VECSELs**  
Gaulke M., Heidrich J., ALAYDİN B. Ö., Golling M., barh A., Keller U.  
2021 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC), 21 June 2021
- XVI. **40W SESAM-modelocked Ho: YAG thin-disk laser at 2090 nm**  
Tomilov S., Hoffman M., Heidrich J., ALAYDİN B. Ö., Golling M., Wang Y., Keller U., Saraceno C. J.  
The European Conference on Lasers and Electro-Optics, 21 June 2021
- XVII. **1-Watt SESAM-Modelocked fs-Cr: ZnS Oscillator at 2.4  $\mu\text{m}$**   
barh A., ALAYDİN B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C., Keller U.  
The European Conference on Lasers and Electro-Optics, 21 June 2021
- XVIII. **Precise mid-infrared characterization of InGaSb/GaSb SESAMs**  
Heidrich J., Gaulke M., ALAYDİN B. Ö., Golling M., barh A., Keller U.  
2021 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC), 21 June 2021
- XIX. **Two Gigahertz Femtosecond Cr:ZnS Oscillator at 2.4  $\mu\text{m}$  with 0.8-W Average Output Power**  
Barh A., Alaydin B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C., Keller U.  
2021 Conference on Lasers and Electro-Optics, CLEO 2021, Virtual, Online, United States Of America, 9 - 14 May 2021
- XX. **SESAM Mode-locked High-power sub-100-fs Cr:ZnS Oscillator at 2.37  $\mu\text{m}$**   
Barh A., Alaydin B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C., Keller U.  
2021 Conference on Lasers and Electro-Optics, CLEO 2021, Virtual, Online, United States Of America, 9 - 14 May 2021
- XXI. **1-Watt SESAM-Modelocked fs-Cr:ZnS Oscillator at 2.4  $\mu\text{m}$**   
Barh A., ALAYDİN B. Ö., Heidrich J., Gaulke M., Golling M., Phillips C. R., Keller U.  
Conference on Lasers and Electro-Optics Europe / European Quantum Electronics Conference (CLEO/Europe-EQEC), ELECTR NETWORK, 21 - 25 June 2021
- XXII. **High-power Ho: YAG thin-disk laser and first SESAM modelocking**  
Tomilov S., Hoffman M., Heidrich J., Vogel T., ALAYDİN B. Ö., Golling M., Wang Y., Keller U., Saraceno C. J.  
Advanced Solid State Lasers, 13 October 2020
- XXIII. **Growth and characterization of grown optical pumped VCSEL**  
ALAYDİN B. Ö., ALTUN D., ŞENADİM TÜZEMEN E., ELAGÖZ S.  
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), 22 - 23 November 2018
- XXIV. **Effect of LT-GaN Thickness on the Structural Properties of GaN Grown On PSS by MOCVD**  
ALTUN D., ALAYDİN B. Ö., Bulut B., Erkuş M., ELAGÖZ S.  
2nd International Mediterranean Science And Engineering Congress, 25 - 27 October 2017

- XXV. **Simulation Of GaAs Based DBR Structures For VCSEL Application**  
ALAYDİN B. Ö., ŞENADIM TÜZEMEN E., ELAGÖZ S.  
International Conference On Condensed Matter And Material Sciences, 11 - 15 October 2017
- XXVI. **Modelling Highly Reflective AlAs<sub>1-x</sub>P<sub>x</sub>/GaAs Dbr Structure**  
ALAYDİN B. Ö., ŞENADIM TÜZEMEN E., ELAGÖZ S.  
Internatonal Conference On Condensed Matter And Material Sciences, 11 - 15 October 2017
- XXVII. **Modelling of Highly Reflective GaAs/Al<sub>x</sub>Ga<sub>1-x</sub>As DBR Structure for 980 nm VCSELs**  
ALAYDİN B. Ö., ŞENADIM TÜZEMEN E., ELAGÖZ S.  
4th INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE AND NANOTECHNOLOGY FOR NEXT GENERATION (MSNG2017), 28 - 30 June 2017
- XXVIII. **Simulation of Highly Reflective GaN/Al<sub>x</sub>Ga<sub>1-x</sub>N DBR Structure for UV-Blue LEDs**  
ALAYDİN B. Ö., ALTUNTAŞ İ., ŞENADIM TÜZEMEN E., ELAGÖZ S.  
4th INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE AND NANOTECHNOLOGY FOR NEXT GENERATION (MSNG2017), 28 - 01 June 2017
- XXIX. **Investigation of ZnO based Distributed Bragg Reflectors (DBRs) by using Transfer Matrix Method**  
ŞENADIM TÜZEMEN E., ALAYDİN B. Ö., ELAGÖZ S.  
4th INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE AND NANOTECHNOLOGY FOR NEXT GENERATION, 28 - 30 June 2017
- XXX. **High Quality InGaAs InAlAs Superlattices Growth by MOCVD**  
DEMİR İ., Alaydn B. Ö., ALTUNTAŞ İ., ELAGÖZ S.  
3th International Nanoscience and Nanotechnolgy for Next Generation, 20 - 23 October 2016
- XXXI. **High Quality InGaAs/InAlAs Superlattices Growth by MOCVD**  
DEMİR İ., ALAYDİN B. Ö., ALTUNTAŞ İ., ELAGÖZ S.  
3th NANOSCIENCE NANOTECHNOLOGY FOR NEXT GENERATION, 1 - 03 October 2016
- XXXII. **Growth And Characterization Of High Aluminium Alloy Concentration (x=0.92-0.94) Al<sub>x</sub>Ga<sub>1-x</sub>As for Optoelectronic Application**  
ALAYDİN B. Ö., DEMİR İ., ELAGÖZ S.  
Tfd 32, International Physics Congree, 6 - 09 September 2016
- XXXIII. **V/III Ratio Effect on Electrical and Optical Properties of Nearly Lattice Matched In<sub>x</sub>Ga<sub>1-x</sub>As Epilayers on InP**  
DEMİR İ., ALAYDİN B. Ö., ELAGÖZ S.  
Turkish Physical Society 32nd International Physics Congress, 6 - 09 September 2016
- XXXIV. **V III Ratio Effect on Electrical and Optical Properties of Nearly Lattice Matched In<sub>x</sub>Ga<sub>1-x</sub>As Epilayers on InP**  
DEMİR İ., ALAYDİN B. Ö., ELAGÖZ S.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- XXXV. **Growth And Characterization of High Aluminium Alloy Concentration x 0.9 Al<sub>x</sub>Ga<sub>1-x</sub>As for Optoelectronic Application**  
ALAYDİN B. Ö., DEMİR İ., ELAGÖZ S.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- XXXVI. **Optical and Structural Properties of Lattice Matched and Slightly Lattice Mismatched MOCVD Grown In<sub>x</sub>Ga<sub>1-x</sub>As Epilayers**  
ALAYDİN B. Ö., ŞENADIM TÜZEMEN E., DEMİR İ., ELAGÖZ S.  
16th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2016), Constanta, Romania, 7 - 09 July 2016
- XXXVII. **Optical And Structural Properties Of Lattice Matched And Slightly Lattice Mismatched Mocvd Grown In<sub>x</sub>Ga<sub>1-x</sub>As Epilayers**  
ALAYDİN B. Ö., ŞENADIM TÜZEMEN E., DEMİR İ., ELAGÖZ S.  
IBWAP 2016, 7 - 09 July 2016
- XXXVIII. **Research For Optimizing Growth Conditions Of Gallium Nitride Epilayers for Blue Led Structures Grown by Mocvd**

ALAYDİN B. Ö.

9th International Physics Conference Of The Balkan Physical Union, 25 - 28 August 2015

XXXIX. **Mocvd ile Büyütülen Ge/gaas Non-polar-polar Yapısının Yüksek Çözünürlüklü X-ışını Kırınımıyla Ve Yapısal Karakterizasyonu**

ALAYDİN B. Ö., ELAGÖZ S.

Adım Fizik Günleri, 17 - 18 April 2014

XL. **Epitaxial Growth by Metal Organic Chemical Vapor Deposition MOCVD and Structural Characterization of GaAs Films on Ge Substrates**

DEMİR İ., ALTUNTAŞ İ., ALAYDİN B. Ö., BOZ M. A., KARKI H. D., ELAGÖZ S.

NanoTR 9, 24 - 28 July 2013

XLI. **EPITAXIAL GROWTH BY METAL ORGANIC VAPOR DEPOSITION (MOCVD) AND STRUCTURAL CHARACTERIZATION OF GAAS FILMS ON GE SUBSTRATES**

DEMİR İ., ALTUNTAŞ İ., ALAYDİN B. Ö., KIZILBULUT A. A., ELAGÖZ S.

Nano-tr 9, Erzurum, Turkey, 28 June 2013

XLII. **The effect of growth rate with constant V/III ratio to the crystal quality of GaAs grown by MOCVD**

DEMİR İ., ALTUNTAŞ İ., ALAYDİN B. Ö., ELAGÖZ S., KARKI H. D.

9th Nanoscience and Nanotechnology Conference (Nano TR-9), 24 June 2013 - 28 June 2018

XLIII. **SPECULAR REFLECTANCE SPECTRA OF GAAS ON GE SUBSTRATES GROWN BY MOCVD**

KIZILBULUT A. A., ŞENADIM TÜZEMEN E., ALAYDİN B. Ö., ALTUNTAŞ İ., ELAGÖZ S.

Nano-tr 9, Erzurum, Turkey, 24 June 2013

## Supported Projects

Keller U., Alaydin B. Ö., Horizon Europe Project, One-mix Mid-infrared Optical Dual-comb Generation And Spectroscopy With One Unstabilized Semiconductor Laser, 2019 - 2024

Alaydin B. Ö., Altun D., TUBITAK Project, Optik pompalı yüksek güçlü düşey dış kovuklu yüzey ışmalı lazer prototip üretimi, 2021 - 2023

Altun D., Alaydin B. Ö., Project Supported by Higher Education Institutions, Mikrodenetleyici Kontrollü Lazer Kesme Makinası ile Kumaş, Deri gibi Malzemelerde Desen Üretimi, 2021 - 2022

ŞENADIM TÜZEMEN E., ALAYDİN B. Ö., Project Supported by Higher Education Institutions, AlAs1-xPx/ GaAs DAĞITILMIŞ BRAGG YANSITICILARININ KURAMSAL MODELLEMESİ, 2017 - 2017

## Metrics

Publication: 66

Citation (WoS): 61

Citation (Scopus): 209

H-Index (WoS): 5

H-Index (Scopus): 10

## Non Academic Experience

Business Establishment Private, KDE BİLİŞİM ELEKTRONİK VE GÜVENLİK TEKNOLOJİLERİ SAN.TİC. A. Ş., Arge

Business Establishment Private, Ermaksan, Arge

Business Establishment Private, Kayra Mühendislik, Pazarlama