

## Öğr. Gör. Dr. Ahmet Emre KASAPOĞLU

### Kişisel Bilgiler

Web: <https://avesis.atauni.edu.tr/aemre.kasapoglu>

#### Uluslararası Araştırmacı ID'leri

ScholarID: xL1dd8AAAAJ

ORCID: 0000-0002-4261-5113

Publons / Web Of Science ResearcherID: U-7626-2017

Yoksis Araştırmacı ID: 266621

### Araştırma Alanları

Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler

### Akademik Unvanlar / Görevler

Öğretim Görevlisi, Atatürk Üniversitesi, Rektörlük, -, 2017 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Investigation of the performance and stability of self-powered polythiophene-based photodiodes under UV and visible light illumination**  
ORHAN Z., KASAPOĞLU A. E., DOĞAN H., DAŞ E.  
Sensors and Actuators A: Physical, cilt.378, 2024 (SCI-Expanded)
- II. **Electrochromic properties of undoped and Ti-doped MoO<sub>3</sub> converted from vertical nanowall MoS<sub>2</sub> thin films**  
Habashyani S., Mobtakeri S., BUDAK H. F., KASAPOĞLU A. E., ÇOBAN Ö., GÜR E.  
Electrochimica Acta, cilt.498, 2024 (SCI-Expanded)
- III. **Metal Nanoparticles for Simultaneous Use in AC Magnetic Field Hyperthermia and Magnetic Resonance Imaging**  
Solak K., Atış M., KASAPOĞLU A. E., KARAMAN A., MAVİ A.  
Journal of Biomedical Materials Research - Part A, 2024 (SCI-Expanded)
- IV. **Hummers' method-assisted liquid-phase exfoliation enables the fabrication of few-layer borophene from bulk boron**  
BİNGÖL M. S., YILMAZ M., KASAPOĞLU A. E.  
TURKISH JOURNAL OF CHEMISTRY, cilt.48, sa.2, ss.402-421, 2024 (SCI-Expanded)
- V. **A Comparative Study of the Structural and Optical Properties of ZnS Films Deposited by Spray-Pyrolysis Technique**  
Najim A., Hartiti B., Nkuissi H. J. T., Labrim H., Fadili S., ERTUĞRUL M., Thevenin P., BUDAK H. F., KASAPOĞLU A. E.  
CRYSTAL RESEARCH AND TECHNOLOGY, cilt.58, sa.7, 2023 (SCI-Expanded)
- VI. **Effect of growth pressure on sulfur content of RF-magnetron sputtered WS<sub>2</sub> films and thermal oxidation properties of them toward using Pd decorated WO<sub>3</sub> based H<sub>2</sub> gas sensor**  
Mobtakeri S., Habashyani S., ÇOBAN Ö., BUDAK H. F., KASAPOĞLU A. E., GÜR E.

Sensors and Actuators B: Chemical, cilt.381, 2023 (SCI-Expanded)

- VII. **Solution-Processable Growth and Characterization of Dandelion-like ZnO:B Microflower Structures**  
Erat S., Braun A., ÇETİNKAYA S., Yildirimcan S., KASAPOĞLU A. E., Guer E., Harputlu E., OCAKOĞLU K.  
CRYSTALS, cilt.12, sa.1, 2022 (SCI-Expanded)
- VIII. **Influences of thickness and temperature of low temperature GaAs buffer layer on two-step MOVPE grown GaAs/Ge heterostructures**  
Demir İ., Kasapoğlu A. E., Budak H. F., Gür E., Elagoz S.  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, cilt.90, sa.2, 2020 (SCI-Expanded)
- IX. **X-ray photoelectron spectroscopy (XPS) and gamma-ray shielding investigation of boro-silicate glasses contained alkali/alkaline modifier**  
Kaky K. M., ŞAKAR E., Akbaba U., KASAPOĞLU A. E., Sayyed M. I., GÜR E., Baki S. O., Mahdi M. A.  
RESULTS IN PHYSICS, cilt.14, 2019 (SCI-Expanded)
- X. **AlGaIn/AlN MOVPE heteroepitaxy: pulsed co-doping SiH<sub>4</sub> and TMIn**  
DEMİR İ., KOÇAK Y., KASAPOĞLU A. E., Razeghi M., GÜR E., Elagoz S.  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, cilt.34, sa.7, 2019 (SCI-Expanded)
- XI. **Distributed contact flip chip InGaIn/GaN blue LED; comparison with conventional LEDs**  
GENÇ M., Sheremet V., Elci M., KASAPOĞLU A. E., ALTUNTAŞ İ., DEMİR İ., EĞİN G., Islamoglu S., GÜR E., MUZAFFEROĞLU N., et al.  
SUPERLATTICES AND MICROSTRUCTURES, cilt.128, ss.9-13, 2019 (SCI-Expanded)
- XII. **Formation of carbon nanowalls by pulsed filtered cathodic vacuum arc deposition**  
ŞENADIM TÜZEMEN E., Kilic M., Zeyrek B. K., KASAPOĞLU A. E., GÜR E., ALAYDİN B. Ö., ESEN M., ESEN R.  
Diamond and Related Materials, cilt.93, ss.200-207, 2019 (SCI-Expanded)
- XIII. **Valance band properties of MgZnO thin films with increasing Mg content; Phase separation effects**  
İSKENDEROĞLU D., Kasapoglu E., GÜR E.  
Materials Research Express, cilt.6, sa.3, 2019 (SCI-Expanded)
- XIV. **Microstructural Evolution of MOVPE Grown GaN by the Carrier Gas**  
DEMİR İ., ALTUNTAŞ İ., KASAPOĞLU A. E., MOBTAKERİ S., Guer E., Elagoz S.  
SEMICONDUCTORS, cilt.52, sa.16, ss.2030-2038, 2018 (SCI-Expanded)
- XV. **Growth and characterization of InGaIn thin films on Si (111) substrate by RF magnetron sputtering: N<sub>2</sub> gas flow effect**  
ERDOĞAN E., KUNDAKÇI M., KASAPOĞLU A. E., GÜR E.  
American Journal Of Physics, 2018 (SCI-Expanded)
- XVI. **Gamma and neutron irradiation effects on multi-walled carbon nanotubes**  
Akbaba U., KASAPOĞLU A. E., GÜR E.  
DIAMOND AND RELATED MATERIALS, cilt.87, ss.242-247, 2018 (SCI-Expanded)
- XVII. **Stress evolution of Ge nanocrystals in dielectric matrices**  
Bahariqushchi R., RACİTİ R., Kasapoglu A. E., Gur E., Sezen M., Kalay E., MİRABELLA S., AYDINLI A.  
NANOTECHNOLOGY, cilt.29, sa.18, 2018 (SCI-Expanded)
- XVIII. **The effects of two-stage HT-GaN growth with different V/III ratios during 3D-2D transition**  
ALTUNTAŞ İ., DEMİR İ., KASAPOĞLU A. E., MOBTAKERİ S., GÜR E., Elagoz S.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, cilt.51, sa.3, 2018 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **p-Si(100)/InGaIn thin film structure and investigation of its physical properties: N<sub>2</sub> gas flow effect**  
ERDOĞAN E., kundakçı M., KASAPOĞLU A. E., GÜR E.  
Materials Today: Proceedings, cilt.18, ss.1868-1874, 2019 (Hakemli Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Pulsed MOVPE Growth of High Quality AlGa<sub>N</sub> epilayers for Ultraviolet LED Applications**  
DEMİR İ., McClintock R., KOÇAK Y., ALTUNTAŞ İ., KASAPOĞLU A. E., GÜR E., ELAGÖZ S., Razeghi M.  
European Conference on Laser Optics Photonics, 16 - 17 Temmuz 2018
- II. **Growth and Characterization of InGa<sub>N</sub> Thin Films on Si (111) Substrate by RF Magnetron Sputtering: N-2 Gas Flow Effect**  
Erdogan E., KUNDAKÇI M., KASAPOĞLU A. E., GÜR E.  
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Türkiye, 6 - 10 Eylül 2017, cilt.1935
- III. **MBE grown Ga<sub>N</sub> Nanowires on Si (111) Substrate Temperature Dependence**  
KASAPOĞLU A. E., KOÇAK Y., GÜR E., DOĞAN P.  
NanoTr-13, Antalya, Türkiye, 22 - 25 Ekim 2017
- IV. **Gamma and Neutron Radiation Effect on Multi-Walled Carbon Nanotubes**  
AKBABA U., KASAPOĞLU A. E., GÜR E.  
NanoTr-13, Antalya, Türkiye, 22 - 25 Ekim 2017
- V. **Excess Nitrogen Effects on Optical, Structural and Morphological Properties of the Sputtered InGa<sub>N</sub> Semiconductor**  
ERDOĞAN E., KUNDAKÇI M., KASAPOĞLU A. E., GÜR E.  
International Conference on Multidisciplinary, Engineering, Science, Education and Technology (IMESET'17 Baku)  
Hosted by Azerbaijan Technical University July 12-14, 2017, Baku, Azerbaijan, 12 - 14 Temmuz 2017
- VI. **Excess Nitrogen Effects on Optical, Structural and Morphological Properties of the Sputtered InGa<sub>N</sub> Semiconductor**  
ERDOĞAN E., kundakçı m., KASAPOĞLU A. E., GÜR E.  
International Conference on Multidisciplinary, Science, Engineering and Technology (IMESET'17), Baku, Azerbaycan, 12 - 14 Temmuz 2017
- VII. **Structural and Surface Properties of ZnO and ZnO:Fe Thin Films Deposited by Sol-Gel Spin Coating Technique**  
KASAPOĞLU A. E., DOĞAN S., TURGUT G., GÜRBULAK B., DUMAN S.  
International Congress on Natural and Engineering Sciences, 9 - 15 Eylül 2015
- VIII. **Structural and Surface Properties of ZnO and ZnO:Fe Thin Films Deposited by Sol-Gel Spin Coating Technique,**  
KASAPOĞLU A. E., GÜRBULAK B., DOĞAN S., DUMAN S.  
International Congress on Natural and Engineering Sciences, 09-13 September, 2015, 9 - 13 Eylül 2015

## Metrikler

Yayın: 33

Atf (WoS): 217

Atf (Scopus): 247

H-İndeks (WoS): 8

H-İndeks (Scopus): 9