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#### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: AAZ-6636-2020

ScopusID: 57218260537

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#### **Education Information**

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- I. Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey 2021 - Continues
- II. Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey 2019 - 2021
- III. Postgraduate, Aydin Adnan Menderes University, Graduate School Of Educational Sciences, Biyofizik, Turkey 2017 - 2019
- IV. Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2012 - 2016

#### **Certificates, Courses and Trainings**

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- I. Entrepreneurship, Uygulamalı Girişimcilik Eğitimi, KOSGEB, 2016

#### **Dissertations**

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- I. Postgraduate, Elektronik İletim Tabakasının Perovskit Güneş Pillerinin Performansına Etkisi, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2021

#### **Research Areas**

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Natural Sciences, Engineering and Technology

#### **Academic Titles / Tasks**

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- I. Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2020 - Continues

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

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- I. **Triphenylamine substituted copper and zinc phthalocyanines as alternative hole-transporting**

### materials for solution-processed perovskite solar cells

Celik G. G., ŞAHİN A. N., Lafzi F., SARAÇOĞLU N., ALTINDAL A., Gurek A. G., Atilla D.  
DALTON TRANSACTIONS, vol.51, pp.9385-9396, 2022 (SCI-Expanded)

### II. Nitrate Ion Sensing Properties of Peripheral 3,4,5-Trimethoxyphenoxy and Chlorine Substituted Metallo and Metal-free Phthalocyanines

Senturk C. B., ŞAHİN A. N., ÇETİN A., ALTINDAL A., ODABAŞ Z.

JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.32, pp.1436-1447, 2022 (SCI-Expanded)

### III. Photosensitive field effect transistor based on metallo-phthalocyanines containing (4-pentylphenyl) ethynyl moieties

Yenilmez H. Y., ŞAHİN A. N., ALTINDAL A., Bayır Z.

Synthetic Metals, vol.273, 2021 (SCI-Expanded)

### IV. Investigation of the photoconductive properties of thiophene substituted metallo-phthalocyanines

Kumral E., Yenilmez H. Y., Albayrak S., ŞAHİN A. N., ALTINDAL A., Bayır Z. A.

Dalton transactions (Cambridge, England : 2003), vol.49, no.27, pp.9385-9392, 2020 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

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### I. Optical, Acetone and Isopropanol Alcohol Vapor Sensing Properties of NiO Films Under Various Bias Voltages at Room Temperature

ŞAHİN A. N., ALTINDAL A., GÜVEN ÖZDEMİR Z.

Turkish Physical Society 40th International Physics Congress, Bodrum, Turkey, 02 September 2024, pp.120

### II. USING SILVER (Ag) POROUS SILICON/nSi BASED STRUCTURES AS DIFFERENT ALCOHOL VAPOR SENSORS

Düzgün P., Şahin A. N., Yılmaz V., Nuhoglu Ç., Altindal A., Aydın Yüksel S.

EGE 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 22 - 24 September 2023, pp.46-47

### III. EFFECT OF UV ACTIVATION ON ZnO NANOROD-BASED VOC SENSING

Şahin A. N., Yerli Y.

EGE 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 22 - 24 September 2023, pp.49

### IV. The Effect of Particle size of TiO<sub>2</sub> on Optical and Room Temperature Acetone Vapor Sensing Performance

ŞAHİN A. N., YERLİ Y., ALTINDAL A.

10th International Marmara Sciences Congress (Imascon Spring 2023), Kocaeli, Turkey, 09 June 2023, pp.438-442

### V. THE INVESTIGATION OF OPTICAL AND ELECTRICAL PROPERTIES OF BORON DOPED TiO<sub>2</sub> THIN FILMS

ŞAHİN A. N., ALTINDAL A.

9TH INTERNATIONAL "BAŞKENT" CONGRESS ON PHYSICAL, ENGINEERING, AND APPLIED SCIENCES, Ankara, Turkey, 20 - 23 May 2023

### VI. Perovskit Güneş Hücreleri için Boşluk İletim Materyali olarak Yeni Zn (II) ve Cu (II) Ftalosiyanın Türevlerin Sentez ve Karakterizasyonu

GÜMÜŞGÖZ ÇELİK G., Tunç G., Eroğlu Ö., ŞAHİN A. N., ALTINDAL A., GÜREK A. G.

32.Ulusal Kimya Kongresi, İstanbul, Turkey, 17 September 2020

## Supported Projects

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I. GÜVEN ÖZDEMİR Z., ŞAHİN A. N., Project Supported by Higher Education Institutions, Bazı Nanoyapıların Gaz Algılama Özellikleri ile Optik Özelliklerinin Arasındaki İlişkinin İncelenmesi, 2024 - Continues

II. Şahin A. N., Ceylan C., TUBITAK Project, Elektrokromik Renk Değişiminin Sensör Algılamalarına Etkisi, 2023 - 2024

- III. Şahin A. N., Kalafat B., Koçak D., TUBITAK Project, Farklı ZnO Nanoyapıların Uçucu Organik Bileşikleri Algılama Performansının Analizi, 2023 - 2024
- IV. Atilla D., Altındal A., Gürek A. G., Şahin A. N., Gümüşgöz Çelik G., TUBITAK Project, Perovskite Temelli Güneş Hücreleri İçin Boşluk İletim Malzemesi Olarak Yeni Ftalosiyanın Türevlerinin Sentezi ve Fotovoltaik Uygulamaları, 2019 - 2023
- V. Şahin A. N., Altındal A., Project Supported by Higher Education Institutions, Elektron İletim Tabakasının Perovskit Güneş Pillerinin Performansına Etkisi, 2019 - 2021

## Metrics

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Publication: 10  
Citation (WoS): 42  
Citation (Scopus): 41  
H-Index (WoS): 3  
H-Index (Scopus): 3

## Coaching Duties

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## Refereeing Duties

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