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International Researcher IDs

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

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Education Information

- 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

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

Dissertations

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

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Acetone and Isopropyl Alcohol Vapor Sensing Properties of NiO Films Under Varying Bias Voltages

at Room Temperature

Şahin A. N., Altındal A., Güven Özdemir Z.

Physica Status Solidi (A) Applications and Materials Science, 2025 (SCI-Expanded)

- II. **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)
- III. **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)
- IV. **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)
- V. **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)

Papers Published in Refereed Scientific Meetings

- I. **STRUCTURAL, MORPHOLOGICAL, OPTICAL CHARACTERIZATIONS OF 2D SnS₂ NANOSTRUCTURE AND THEIR VOC VAPOR DETECTION PROPERTIES**
ŞAHİN A. N., ALTINDAL A., GÜVEN ÖZDEMİR Z.
7. INTERNATIONAL MEDITERRANEAN CONGRESS, Spain, 09 January 2025
- II. **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
- III. **USING SILVER (Ag) POROUS SILICON/nSi BASED STRUCTURES AS DIFFERENT ALCOHOL VAPOR SENSORS**
Düzgün P., Şahin A. N., Yılmaz V., Nuhuğlu Ç., Altındal A., Aydın Yüksel S.
EGE 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 22 - 24 September 2023, pp.46-47
- IV. **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
- V. **The Effect of Particle size of TiO₂ 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
- VI. **THE INVESTIGATION OF OPTICAL AND ELECTRICAL PROPERTIES OF BORON DOPED TiO₂ THIN FILMS**
ŞAHİN A. N., ALTINDAL A.
9TH INTERNATIONAL "BAŞKENT" CONGRESS ON PHYSICAL, ENGINEERING, AND APPLIED SCIENCES, Ankara, Turkey, 20 - 23 May 2023
- VII. **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.

Supported Projects

- I. Şahin A. N., Ceylan C., TUBITAK Project, Elektrokromik Renk Değişiminin Sensör Algılamalarına Etkisi, 2023 - 2024
- II. Şahin A. N., Kalafat B., Koçak D., TUBITAK Project, Farklı ZnO Nanoyapıların Uçucu Organik Bileşikleri Algılama Performansının Analizi, 2023 - 2024
- III. 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
- IV. Şahin A. N., Altındal A., Project Supported by Higher Education Institutions, Elektron İletim Tabakasının Perovskit Güneş Pillerinin Performansına Etkisi, 2019 - 2021

Metrics

Publication: 12
Citation (WoS): 44
Citation (Scopus): 44
H-Index (WoS): 3
H-Index (Scopus): 3

Coaching Duties

Refereeing Duties
