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International Researcher IDs

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Publons / Web Of Science ResearcherID: GBY-0083-2022

Yoksis Researcher ID: 275173

Education Information

Doctorate, Çanakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2010 - 2016

Postgraduate, Çanakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2008 - 2010

Undergraduate, Çanakkale Onsekiz Mart University, Fen Fakültesi, Fizik, Turkey 2003 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Fotovoltaik Uygulamalar için Ultrasonik Spray Pyrolysis Tekniği ile Üretilen CdO:Pb ve CuO:In İnce Filmlerin Karakterizasyonu, Çanakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2016

Postgraduate, ZnO İnce Filmleri: Co Katkısının Etkisi, Çanakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2010

Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Magnetic Properties and Materials, Optical Properties, Spectroscopy of Matter, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Çanakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji, 2018 - Continues

Assistant Professor, Çanakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Optimization of chemically sprayed ZnS films by Mn doping
DEMİRSELÇUK B., Kus E., KÜÇÜKARSLAN A., Sarica E., AKYÜZ İ., BİLGİN V.
Physica B: Condensed Matter, vol.622, 2021 (SCI-Expanded)
- II. Ultrasonically sprayed cobalt oxide thin films: Enhancing of some physical properties by nickel doping
Kus E., KÜÇÜKARSLAN A., DEMİRSELÇUK B., Sarica E., AKYÜZ İ., BİLGİN V.
Materials Letters, vol.297, 2021 (SCI-Expanded)
- III. Improvement of structural, optical and magnetic properties of cobalt oxide thin films by doping with iron
KÜÇÜKARSLAN A., Kus E., Sarica E., AKYÜZ İ., BİLGİN V., DEMİRSELÇUK B.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.127, no.7, 2021 (SCI-Expanded)
- IV. Characterization of CdS films and CdS/Si heterojunctions prepared by ultrasonic spray pyrolysis and their response to light
BİLGİN V., Sarica E., DEMİRSELÇUK B., ERTÜRK K.
PHYSICA B-CONDENSED MATTER, vol.599, 2020 (SCI-Expanded)
- V. Iron doped ZnO thin films deposited by ultrasonic spray pyrolysis: structural, morphological, optical, electrical and magnetic investigations
BİLGİN V., Sarica E., DEMİRSELÇUK B., Turkyilmaz S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.20, pp.17542-17551, 2018 (SCI-Expanded)
- VI. Ultrasonically sprayed ZnO:Co thin films: Growth and characterization
DEMİRSELÇUK B., BİLGİN V.
APPLIED SURFACE SCIENCE, vol.273, pp.478-483, 2013 (SCI-Expanded)
- VII. Study of Ultrasonically Sprayed ZnO Films: Thermal Annealing Effect
OZUTOK F., DEMİRSELÇUK B., SARICA E., TURKYILMAZ S., BİLGİN V.
ACTA PHYSICA POLONICA A, vol.121, no.1, pp.53-55, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. Influence of Sn Doping on CdS Thin Film Grown by Ultrasonic Spray Pyrolysis
EYGİ Z. D., Demirselçuk B., BİLGİN V.
International Journal of Thin Films Science and Technology, vol.5, pp.103-106, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Effect of iron doping on structural and electrical properties of spray-deposited CdO thin films
KUŞ E., SARICA E., GÜNEŞ İ., DEMİRSELÇUK B., KÜÇÜKARSLAN A., BİLGİN V.
Turkish Physical Society 37th International Physical Congress (TPS-37), Muğla, Turkey, 1 - 05 September 2021
- II. Structural And Optical Properties Of Iron-Cobalt Co-Doped Cadmium Oxide Thin Films
SARICA E., GÜNEŞ İ., DEMİRSELÇUK B., KUŞ E., KÜÇÜKARSLAN A., BİLGİN V.
Turkish Physical Society 37th International Physical Congress (TPS-37), Muğla, Turkey, 1 - 05 September 2021
- III. Effect of Zn/S molar ratio on the physical properties of spray-pyrolysed ZnS thin films for photovoltaic applications
DEMİRSELÇUK B., BİLGİN V., ÖZDER S., SARICA E.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- IV. Substrate temperature effect on the structural, morphological, optical and electrical properties of spray-deposited zinc sulphide thin films
DEMİRSELÇUK B., BİLGİN V., SARICA E., ÖZDER S.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017

- V. Electrical, optical and surface studies of CdS thin films doped with iron
DEMİRSELÇUK B., SARICA E., BİLGİN V.
11th Nanoscience and Nanotechnology Conference, 22 - 25 June 2015
- VI. CdS:Sn thin films grown by ultrasonic spray pyrolysis: Optical and surface studies
DEMİRSELÇUK B., BİLGİN V.
11th Nanoscience and Nanotechnology Conference, 22 - 25 June 2015

Supported Projects

DEMİRSELÇUK B., KÜÇÜKARSLAN A., GÜNEŞ İ., SARICA E., Project Supported by Higher Education Institutions, Sülfür ile tavlanmış SnS ince filmlerinin yapışal, yüzeysel, elektriksel ve optiksel özelliklerinin incelenmesi, 2022 - 2023

DEMİRSELÇUK B., KÜÇÜKARSLAN A., BİLGİN V., GÜNEŞ İ., KUŞ E., SARICA E., Project Supported by Higher Education Institutions, Fe ve Co İkili Katkılı CdO İnce Filmlerinin Sprey Piroliz İle Bütyütülmesi ve Karakterizasyonu, 2020 - 2022

DEMİRSELÇUK B., BİLGİN V., KÜÇÜKARSLAN A., Kuş E., Project Supported by Higher Education Institutions, Spintronik Uygulamalar için ZnS:X (X=Ni,Mn) Yarıiletken İnce Filmlerinin Bütyütülmesi ve Karakterizasyonu, 2019 - 2020

SEL K., DEMİRSELÇUK B., GÜNEŞ İ., BİLGİN V., Project Supported by Higher Education Institutions, Fotovoltaik güneş pili uygulamaları için CdO ve CuO filmlerinin sol-gel spin kaplama tekniği ile bütyütülmesi ve karakterizasyonu, 2011 - 2012

BİLGİN V., SARICA E., ÖZÜTOK F., DEMİRSELÇUK B., Project Supported by Higher Education Institutions, Fotovoltaik uygulamalar için ITO ve n-ZnO ince filmlerin üretimi ve tavlama işlemi ile karakteristiklerinin iyileştirilmesi, 2010 - 2012

Metrics

Publication: 50
Citation (WoS): 45
Citation (Scopus): 53
H-Index (WoS): 3
H-Index (Scopus): 4