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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAB-9550-2020

ScopusID: 57189461396

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Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Mühendisliği (Dr), Turkey 2016 - Continues

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), Turkey 2011 - 2013

Undergraduate, Ankara University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2006 - 2011

Dissertations

Postgraduate, Porfirine bağlanan bordipirometen (BODİPY) bileşiğinin doğrusal olmayan optik özelliklere etkisi, Ankara Üniversitesi, Fizik Mühendisliği (YI) (Tezli), 2013

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Turkish - German University, Faculty Of Science, Department Of Materials Science And Technology, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Defect assisted enhanced nonlinear optical performance and optical limiting of pure and doped BiVO₄ powders and nanocomposite films**
Tekin S., Tutel Y., Karatay A., Ünal H. E., Elmali A.
Journal of Luminescence, vol.252, 2022 (SCI-Expanded)
- II. Nanometer-Thick Mn:NiO and Co:NiO Films for High Performance Nonenzymatic Biosensors**
TUTEL Y., KOYLAN S., Tunca S., ÜNALAN H. E.

ACS Applied Nano Materials, vol.4, no.12, pp.13871-13883, 2021 (SCI-Expanded)

- III. **Multichromic Vanadium Pentoxide Thin Films Through Ultrasonic Spray Deposition**
TUTEL Y., DURUKAN M. B. , Koc S., KOYLAN S., Cakmak H., Kocak Y., Hekmat F., Ozensoy E., Ozbay E., UDUM Y., et al.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.10, 2021 (SCI-Expanded)
- IV. **Thermally Induced Phase Transition and Defect-Assisted Nonlinear Absorption and Optical Limiting in Nanorod Morphology V2O5 Thin Films**
Pepe Y., Tutel Y., Yildiz E. A. , Karatay A., Ünal H. E. , Elmali A.
ADVANCED ENGINEERING MATERIALS, vol.23, no.10, 2021 (SCI-Expanded)
- V. **Ultrafast electron/energy transfer and intersystem crossing mechanisms in bodipy-porphyrin compounds**
TUTEL Y., Sevinc G., Küçüköz B., Yildiz E. A. , Karatay A., Dumanogullari F. M. , Yilmaz H., Hayvali M., Elmali A.
Processes, vol.9, no.2, pp.1-11, 2021 (SCI-Expanded)
- VI. **Wearable supercapacitors based on nickel tungstate decorated commercial cotton fabrics**
Hekmat F., TUTEL Y., Unalan H. E.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.9, pp.7603-7616, 2020 (SCI-Expanded)
- VII. **Investigation of ultrafast energy transfer mechanism in BODIPY-Porphyrin dyad system**
Dumanogullari F. M. , Tutel Y., Kucukoz B., Sevinc G., Karatay A., Yilmaz H., Hayvali M., Elmali A.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.373, pp.116-121, 2019 (SCI-Expanded)
- VIII. **Enhancement of two photon absorption properties and intersystem crossing by charge transfer in pentaaryl boron-dipyrromethene (BODIPY) derivatives**
Kucukoz B., Sevinc G., Yildiz E., Karatay A., Zhong F., Yilmaz H., Tutel Y., Hayvali M., Zhao J., Yaglioglu H. G.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.18, no.19, pp.13546-13553, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Facile and Rapid Fabrication of p-type Copper Iodide Nanowire Networks and Utilization in UV Photodetectors**
Koylan S., Calasin A., Madbouly L., Tunca Ş., Tutel Y., Coşkun Ş., Ünal H. E.
Materials Research Society Fall 2021 Meeting, Massachusetts, United States Of America, 29 November - 02 December 2021, pp.1
- II. **Morphological and Electrochemical Properties of Vanadium Pentoxide Thin Films Deposited by Ultrasonic Spray Deposition Method**
Tutel Y., Durukan M. B. , Koç Ş., Koylan S., Çakmak H., Koçak Y., Hekmat F., Özbay E., Özensoy E., Ünal H. E.
Materials Research Society Fall 2021 Meeting, Massachusetts, United States Of America, 29 November - 02 December 2021, pp.1
- III. **Effects of the Doping Elements (Co, Mn, Mg) on Ultrasonic Spray Deposited NiO Thin Films and Their H2O2/Glucose Sensing Behavior**
Tutel Y., Koylan S., Tunca Ş., Ünal H. E.
Materials Research Society Fall 2021 Meeting, Massachusetts, United States Of America, 29 November - 02 December 2021, pp.1
- IV. **Wearable Supercapacitors Based on Hierarchical Nickel Tungsten Trioxide@Nickel Oxide**
Hekmat F., Ünal H. E. , Tutel Y.
4th International Symposium on Materials for Energy Storage and Conversion, Muğla, Turkey, 11 - 13 September 2019, pp.76

Metrics

Publication: 12

Citation (WoS): 60

Citation (Scopus): 62

H-Index (WoS): 4

H-Index (Scopus): 4