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Personal Information

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Education Information

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2013 - Continues

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2010 - 2013

Dissertations

Postgraduate, NANOTEL İÇEREN POLİMER BAZLI NANOKOMPOZİTLERİN ÜRETİMİ VE KARAKTERİZASYONU, Middle East Technical University, Graduate School of Natural and Applied Sciences, Graduate School of Natural and Applied Sciences, 2016

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 2010 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Multifunctional and Physically Transient Supercapacitors, Triboelectric Nanogenerators, and Capacitive Sensors**
Durukan M. B. , Çiçek M. Ö. , Doğanay D., Gorur M. C. , Cinar S., Ünal H. E.
ADVANCED FUNCTIONAL MATERIALS, vol.32, no.1, 2022 (Journal Indexed in SCI)
- II. **Fabric based wearable triboelectric nanogenerators for human machine interface**
DOĞANAY D., ÇİÇEK M. Ö. , DURUKAN M. B. , Altuntas B., Agbahca E., COŞKUN Ş., ÜNALAN H. E.
NANO ENERGY, vol.89, 2021 (Journal Indexed in SCI)
- III. **Seamless Monolithic Design for Foam Based, Flexible, Parallel Plate Capacitive Sensors**
ÇİÇEK M. Ö. , DOĞANAY D., DURUKAN M. B. , Gorur M. C. , ÜNALAN H. E.
Advanced Materials Technologies, vol.6, no.6, 2021 (Journal Indexed in SCI Expanded)
- IV. **Advances in protective layer-coating on metal nanowires with enhanced stability and their applications**
Bang J., Coşkun Ş., Pyun K. R. , Doğanay D., Tunca S., Koylan S., Kim D., Ünal H. E. , Ko S. H.

Applied Materials Today, vol.22, 2021 (Journal Indexed in SCI)

- V. **Silver nanowire loaded poly(ϵ -caprolactone) nanocomposite fibers as electroactive scaffolds for skeletal muscle regeneration**
Basturkmen B., Ergene E., Doğanay D., Huri P., Ünal H. E., Aksoy E. A.
Materials Science and Engineering C, 2021 (Journal Indexed in SCI Expanded)
- VI. **Plasmonic Light-Management Interfaces by Polyol-Synthesized Silver Nanoparticles for Industrial Scale Silicon Solar Cells**
Birant G., ÖZTÜRK İ. M., DOĞANAY D., ÜNALAN H. E., BEK A.
ACS Applied Nano Materials, vol.3, no.12, pp.12231-12239, 2020 (Journal Indexed in SCI)
- VII. **A Point-of-Use (POU) Water Disinfection: Silver Nanowire Decorated Glass Fiber Filters**
Bahcelioglu E., DOĞANAY D., Coskun S., ÜNALAN H. E., Erguder T. H.
Journal of Water Process Engineering, vol.38, 2020 (Journal Indexed in SCI)
- VIII. **Facile preparation of nanoparticle based SERS substrates for trace molecule detection**
Demirta O., DOĞANAY D., ÖZTÜRK İ. M., ÜNALAN H. E., BEK A.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.22, no.37, pp.21139-21146, 2020 (Journal Indexed in SCI)
- IX. **3D printed antibacterial silver nanowire/poly lactide nanocomposites**
Bayraktar I., DOĞANAY D., Coskun S., KAYNAK C., Akca G., ÜNALAN H. E.
Composites Part B: Engineering, vol.172, pp.671-678, 2019 (Journal Indexed in SCI)
- X. **Silver-nanowire-modified fabrics for wide-spectrum antimicrobial applications**
Doganay Y., Kanicioglu A., Coskun S., Akca G., ÜNALAN H. E.
JOURNAL OF MATERIALS RESEARCH, vol.34, no.4, pp.500-509, 2019 (Journal Indexed in SCI)
- XI. **Silver nanowire networks as transparent top electrodes for silicon solar cells**
AURANG P., DOĞANAY D., BEK A., TURAN R., ÜNALAN H. E.
SOLAR ENERGY, vol.141, pp.110-117, 2017 (Journal Indexed in SCI)
- XII. **Silver nanowire decorated heatable textiles**
DOĞANAY D., Coskun S., Genlik S. P., ÜNALAN H. E.
NANOTECHNOLOGY, vol.27, no.43, 2016 (Journal Indexed in SCI)
- XIII. **Electrical, mechanical and thermal properties of aligned silver nanowire/poly lactide nanocomposite films**
DOĞANAY D., Coskun S., KAYNAK C., ÜNALAN H. E.
COMPOSITES PART B-ENGINEERING, vol.99, pp.288-296, 2016 (Journal Indexed in SCI)

Citations

Total Citations (WOS):138

h-index (WOS):5