

Res. Asst. METE BATUHAN DURUKAN

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 2015 - Continues

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 2009 - 2015

Research Areas

Material science and engineering, Semiconductor and Superconductor Materials, Chemical and Electrochemical Properties, Corrosion and Corrosion Protection, Composites, Polymeric Materials, Nanomaterials

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 2015 - Continues

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

- I. **Highly stable silver-platinum core-shell nanowires for H₂O₂ detection**
Koylan S., Tunca S., Polat G., Durukan M. B., Kim D., Kalay Y. E., Ko S. H., Ünal H. E.
NANOSCALE, vol.13, no.30, pp.13129-13141, 2021 (Journal Indexed in SCI)
- II. **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)
- III. **Cobalt Oxide Nanoflakes on Single Walled Carbon Nanotube Thin Films for Supercapacitor Electrodes**
DURUKAN M. B., Yuksel R., ÜNALAN H. E.
ELECTROCHIMICA ACTA, vol.222, pp.1475-1482, 2016 (Journal Indexed in SCI)
- IV. **Flexible supercapacitor electrodes with vertically aligned carbon nanotubes grown on aluminum foils**
Dogru I. B., DURUKAN M. B., Turel O., ÜNALAN H. E.
PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL, vol.26, no.3, pp.232-236, 2016 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Laser Ablated Single Walled Carbon Nanotube Films as Microsupercapacitors**
DURUKAN M. B. , çınar k, BEK A., ÜNALAN H. E.
19th International Metallurgy and Materials Congress, 25 - 27 October 2018
- II. **Microcapacitors from Laser Ablated Multi Walled Carbon Nanotube Films**
DURUKAN M. B. , kadir c., BEK A., ÜNALAN H. E.
MRS Fall Meeting 2017, 26 November 2017
- III. **Single Walled Carbon Nanotube Thin Films Decorated with Cobalt Oxide Nanoflakes for Supercapacitor Electrodes**
DURUKAN M. B. , YÜKSEL R., ÜNALAN H. E.
MES-IS 2017 (2nd International Symposium on Materials for Energy Storage and Conversion), Turkey, 26 September 2017
- IV. **Single Walled Carbon Nanotube Thin Films Decorated with Cobalt Oxide Nanoflakes for Supercapacitor Electrode**
DURUKAN M. B. , YÜKSEL R., ÜNALAN H. E.
mESC-IS 2017 2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017
- V. **Single Walled Carbon Nanotube Cobalt Oxide Nanocomposites as Supercapacitor Electrode Materials**
DURUKAN M. B. , YÜKSEL R., ÜNALAN H. E.
MRS Fall Meeting' 2015, 29 November - 04 December 2015

Supported Projects

ÜNALAN H. E. , DURUKAN M. B. , Project Supported by Higher Education Institutions, MOLİBDEN DİSÜLFÜR (MoS₂)/GRAFEN NANOKOMPOZİTLERİNİN ÜRETİMİ VE SÜPERKAPASİTÖRLERDE KULLANIMI, 2018 - 2019

ÜNALAN H. E. , ÖZKUL S., DURUKAN M. B. , Project Supported by Higher Education Institutions, KAPASİTİF DEİYONİZASYON PROSESİNİN İYON GİDERME VERİMİNİ ARTTIRMAK AMACI İLE METAL OKSİTLER KULLANILARAK KAPASİTÖRLERİN GELİŞTİRİLMESİ, 2017 - 2017

Citations

Total Citations (WOS):44

h-index (WOS):2