

## Res. Asst. ALPTEKİN AYDINLI

### Personal Information

**Email:** aaydinli@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/aaydinli>

### International Researcher IDs

ScholarID: sqa2V6EAAAAJ

ORCID: 0000-0001-9588-941X

ScopusID: 56517833700

Yoksis Researcher ID: 227189

### Education Information

Doctorate, Middle East Technical University, Turkey 2015 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Mikro Ve Nanoteknoloji (YI) (Tezli), Turkey 2010 - 2013

Undergraduate, Istanbul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2006 - 2010

### Dissertations

Postgraduate, Hydrogen decrepitation of magnesium-rich intermetallics, Middle East Technical University, Graduate School of Natural and Applied Sciences, Mikro Ve Nanoteknoloji (YI) (Tezli), 2013

### Research Areas

Metallurgical and Materials Engineering

### Academic Titles / Tasks

Research Assistant, Adana Alparslan Türkeş Science And Technology University, Faculty Of Engineering, 2015 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vertically aligned carbon nanotube - Polyaniline nanocomposite supercapacitor electrodes**  
AYDINLI A., YÜKSEL R., ÜNALAN H. E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.40, pp.18617-18625, 2018 (SCI-Expanded)
- II. **Paper Based, Expanded Graphite/Polypyrrole Nanocomposite Supercapacitors Free from Binders and Current Collectors**  
YÜKSEL R., UYSAL N., AYDINLI A., ÜNALAN H. E.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.165, no.2, 2018 (SCI-Expanded)
- III. **Size reduction in Mg rich intermetallics via hydrogen decrepitation**

## Refereed Congress / Symposium Publications in Proceedings

- I. **Reduced Graphene Oxide Aerogel – Molybdenum Disulfide Supercapacitor Electrodes on Nickel Foams**  
AYDINLI A., DOĞAN Ö., KOYLAN S., BAT E., ÜNALAN H. E.  
14th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 22 - 25 September 2018
- II. **Polyaniline - Carbon Nanotube Nanocomposite Electrodes for Supercapacitors**  
AYDINLI A., YÜKSEL R., ÜNALAN H. E.  
13th Nanoscience and Nanotechnology Conference of Turkey, 22 - 25 October 2017
- III. **Carbon Nanotube - Polyaniline Nanocomposite Supercapacitor Electrodes**  
AYDINLI A., YÜKSEL R., ÜNALAN H. E.  
mESC-IS 2017, 2nd Int. Symposium on Materials for Energy Storage and Conversion, 25 - 28 September 2017
- IV. **Hydrogen decrepitation of Mg rich Intermetallics**  
AYDINLI A., AKTEKİN B., ÖZTÜRK T.  
International Symposium on Materials for Energy Storage and Conversion, 7 - 09 September 2015
- V. **Hydrogen Decrepitation of Mg<sub>2</sub>Ni and TiMn<sub>1.6</sub>Ni<sub>0.4</sub>**  
AYDINLI A., ÖZTÜRK T.  
International Symposium on Metal-Hydrogen Systems, Kyoto, Japan, 24 - 26 October 2012
- VI. **Production of Hydrogen Storage Alloys via Decrepitation Treatment**  
AYDINLI A., ÖZTÜRK T.  
NanoTR VIII – 8th Nanoscience and Nanotechnology Congress, 2012, Ankara, Turkey, 25 - 29 June 2012

## Metrics

Publication: 14

Citation (WoS): 58

Citation (Scopus): 77

H-Index (WoS): 3

H-Index (Scopus): 3

## Scholarships

2214-A - International Research Fellowship Programme for PhD Students, TUBITAK, 2019 - 2020