

Doç. Dr. Ali Can ZAMAN

Kişisel Bilgiler

E-posta: aczaman@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/aczaman>

Posta Adresi: Science and Technology Application and Research Center, Davutpasa Campus, Yıldız Technical University



Uluslararası Araştırmacı ID'leri

ScholarID: CoHCTKkAAAAJ

ORCID: 0000-0002-0637-210X

Publons / Web Of Science ResearcherID: GEA-0532-2022

ScopusID: 36244839100

Yoksis Araştırmacı ID: 192095

Eğitim Bilgileri

Post Doktora, University of Illinois at Urbana-Champaign, Materials Science and Engineering, Amerika Birleşik Devletleri 2018 - 2019

Doktora, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Met.Ve Malzeme Müh.Böl., Türkiye 2010 - 2015

Yüksek Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Met.Ve Malzeme Müh.Böl., Türkiye 2007 - 2010

Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Met.Ve Malzeme Müh.Böl., Türkiye 2003 - 2007

Yabancı Diller

İngilizce, C2 Ustalık

Sertifika, Kurs ve Eğitimler

Diğer, Spectroscopy summer school, Erzincan Üniversitesi Eczacılık Fakültesi, 2014

Diğer, COINAPO Summer School "advances in nanocomposite materials: preparation and characterization", Bucharest University, 2012

Eğitim Yönetimi ve Planlama, COINAPO Characterization summer school, University of Oxford, 2011

Yaptığı Tezler

Doktora, QUANTITATIVE ANALYSIS OF CARBON NANOTUBE SUSPENSIONS, SYNTHESIS OF INORGANIC NANOSTRUCTURED MATERIALS AND THEIR CHARACTERIZATION, Yıldız Teknik Üniversitesi, Metalurji Ve Malzeme Mühendisliği/Malzeme, 2015

Yüksek Lisans, THE EFFECT OF CARBON NANOTUBE ADDITION ON THE STRUCTURE AND PROPERTIES OF ALUMINA BASED CERAMICS, Yıldız Teknik Üniversitesi, Metalurji Ve Malzeme Mühendisliği/Malzeme, 2010

Araştırma Alanları

Malzeme Bilimi ve Mühendisliği, Kaplama Teknolojileri, Malzeme Karakterizasyonu, Nanomalzemeler, Kompozitler, Nanokompozitler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Yıldız Teknik Üniversitesi, Rektörlük, -, 2014 - Devam Ediyor

Araştırmacı, University of Illinois at Urbana-Champaign, Department of Materials Science and Engineering, 2018 - 2019

Araştırma Görevlisi, Kocaeli Üniversitesi, Mühendislik Fakültesi, 2012 - 2014

Verdiği Dersler

Teknik Resim, Lisans, 2021 - 2022

Biyomalzemelerin karakterizasyonu, Yüksek Lisans, 2021 - 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Hydroxybenzoic acid derived porous carbons for low pressure CO2 capture**
Zaman A. C.
Journal of Solid State Chemistry, cilt.327, 2023 (SCI-Expanded)
- II. **Sulfur-acetylacetone based solutions for precipitation of quasi-core-shell microparticles or hybrid structures**
ZAMAN A. C.
Journal of Molecular Liquids, cilt.355, 2022 (SCI-Expanded)
- III. **Sulfur/oxygen-doped porous carbons via NaCl-assisted thermolysis of a molecular precursor for CO2 capture**
ZAMAN A. C., KARAASLAN Ö. F.
MATERIALS CHEMISTRY AND PHYSICS, cilt.276, 2022 (SCI-Expanded)
- IV. **Pyrolysis of sulfonic acid substituted benzenes and investigation of CO2 capture capability of resulting carbons**
ZAMAN A. C.
JOURNAL OF SOLID STATE CHEMISTRY, cilt.303, 2021 (SCI-Expanded)
- V. **A study on optimum surfactant to multiwalled carbon nanotube ratio in alcoholic stable suspensions via UV-Vis absorption spectroscopy and zeta potential analysis**
ZAMAN A. C., KAYA F., KAYA C.
CERAMICS INTERNATIONAL, cilt.46, sa.18, ss.29120-29129, 2020 (SCI-Expanded)
- VI. **Polyol derived sulfonated solvothermal carbon for efficient dye removal from aqueous solutions**
ZAMAN A. C.
JOURNAL OF MOLECULAR LIQUIDS, cilt.249, ss.892-903, 2018 (SCI-Expanded)
- VII. **Determination of of Quantity of Materials in Suspensions and in Electrophoretic Coatings by UV-Visible Absorption Spectroscopy**
Zaman A. C., Kaya C.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.162, sa.11, 2015 (SCI-Expanded)
- VIII. **OH and COOH functionalized single walled carbon nanotubes-reinforced alumina ceramic nanocomposites**
Zaman A. C., Üstündağ C. B., Kaya F., Kaya C.
CERAMICS INTERNATIONAL, cilt.38, ss.1287-1293, 2012 (SCI-Expanded)

- IX. Electrophoretic deposition of hydrothermally synthesised Ag-TiO₂ hybrid nanoparticles onto 3-D Ni filters**
Noberi C., Zaman A. C., Üstündağ C. B., Kaya F., Kaya C.
MATERIALS LETTERS, cilt.67, ss.113-116, 2012 (SCI-Expanded)
- X. Synthesis and electrophoretic deposition of hydrothermally synthesized multilayer TiO₂ nanotubes on conductive filters**
Zaman A. C., Üstündağ C. B., Kaya F., Kaya C.
MATERIALS LETTERS, cilt.66, ss.179-181, 2012 (SCI-Expanded)
- XI. Carbon nanotube/boehmite-derived alumina ceramics obtained by hydrothermal synthesis and spark plasma sintering (SPS)**
Zaman A. C., Üstündağ C. B., Celik A., Kara A., Kaya F., Kaya C.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, cilt.30, ss.3351-3356, 2010 (SCI-Expanded)
- XII. Boehmite derived surface functionalized carbon nanotube-reinforced macroporous alumina ceramics**
Zaman A. C., Üstündağ C. B., Kaya C.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, cilt.30, ss.2525-2531, 2010 (SCI-Expanded)
- XIII. 3-D micro-ceramic components from hydrothermally processed carbon nanotube-boehmite powders by electrophoretic deposition**
Zaman A. C., Üstündağ C. B., Kuskonmaz N., Kaya F., Kaya C.
CERAMICS INTERNATIONAL, cilt.36, sa.5, ss.1703-1710, 2010 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. Carbon Dioxide Capture Properties of MgCl₂ Templated Microporous Carbon from p-toluenesulfonic Acid**
Zaman A. C.
Gazi University Journal of Science, cilt.35, sa.1, ss.1-15, 2022 (ESCI)

Kitap & Kitap Bölümleri

- I. Solid Waste Materials for Energy Storage Applications**
ZAMAN A. C., ÜSTÜNDAĞ C. B., ÖZEROL E. A.
Encyclopedia of Smart Materials, Abdul-Ghani Olabi, Editör, Elsevier, ss.470-482, 2022

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Schiff base derived carbonaceous material separator coating for Li-S batteries**
ZAMAN A. C., BRAUN P. V.
9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Türkiye, 22 Eylül 2022
- II. Coupling solvothermal synthesis and pyrolysis processes to produce microporous heteroatom doped carbons from a simple organic molecule for CO₂ capture**
ZAMAN A. C., KAYA C., ÜSTÜNDAĞ C. B., KAYA F.
TURKISH PHYSICAL SOCIETY 38TH INTERNATIONAL PHYSICS CONGRESS, Türkiye, 31 Ağustos - 04 Eylül 2022
- III. CO₂ Capture Performance of Sulfur and Oxygen Doped Carbons Derived from a Molecular Precursor**
ZAMAN A. C.
The International Scientific Conference „Applications of Chemistry in Nanosciences and Biomaterials Engineering”, Romanya, 22 - 24 Haziran 2022

- IV. **New Generation Oxide Based Functional Nanotubes Synthesis Challenges and Applications**
KAYA C., KAYA F., NOBERİ C., ZAMAN A. C.
BIT's 7th Annual World Congress of Nano Science and Technology-2017, Fukuoka, Japonya, 24 - 26 Ekim 2017
- V. **Synthesis of novel oxide-based nanostructure materials for various applications**
KAYA F., ZAMAN A. C., KAYA C.
ICCE-25, ROME, 16-22 July 2017, Rome, İtalya, 16 Temmuz 2017, ss.17202-17209
- VI. **Synthesis and applications of various oxide-based nanostructures with controlled morphologies**
KAYA C., ZAMAN A. C., KAYA F.
ICCE-25, 16 - 22 Temmuz 2017
- VII. **ESR studies of Titania Nanotubes Produced by Hydrothermal Process**
KAYA F., ZAMAN A. C., KAYA C., KAPTAN H. Y.
EMN Honk Kong Meeting, 9 - 12 Aralık 2015
- VIII. **ESR STUDIES OF TITANIA NANOTUBES PRODUCED BY HYDROTHERMAL PROCESS**
KAYA F., KAYA C., ZAMAN A. C., KAPTAN H. Y.
EMN Meeting, Energy Materials Nanotechnology 2015, 9 - 12 Aralık 2015, cilt.1, ss.23
- IX. **NOVEL OXİDE BASED NANOTUBES FOR STORAGEAPPLICATIONS**
KAYA C., ZAMAN A. C., NOBERİ C., KAYA F.
EMN Meeting, Energy Materials Nanotechnology 2015, 9 - 12 Aralık 2015, cilt.1, ss.10
- X. **Novel oxide based nanotubes for storage applications**
KAYA C., ZAMAN A. C., KAYA F., NOBERİ C.
EMN Hong Kong Meeting 2015, 9 - 12 Aralık 2015
- XI. **Production of Green Reduced Graphene Oxide Hydroxyapatite Composites**
ÖZTÜRK E., ÖZBEK B., ZAMAN A. C.
10th European Congress of Chemical Engineering, 27 Eylül - 01 Ekim 2015
- XII. **Stynthesis of Oxide Based Nanotubes and Nanostructures and their Antimicrobial Applications**
KAYA C., KAYA F., ZAMAN A. C., NOBERİ C.
Nanobiotechnology Days, 14 - 15 Mayıs 2015
- XIII. **Fabrication of Porous Hydroxyapatite by Electrophoretic Deposition**
ÜSTÜNDAĞ C. B., Zaman A. C., Kaya F., Kaya C.
International Porous and Powder Materials Symposium and Exhibition (PPM 2013), 01 Eylül 2013
- XIV. **Hydrothermally Prepared Ceramic-Carbon Nanotube Nanocomposite Structure**
ÜSTÜNDAĞ C. B., Zaman A. C., Kaya F., Kaya C.
10th International Conference on Nanosciences & Nanotechnologies (NN13), 01 Temmuz 2013
- XV. **Ag-TiO₂ Nano-Powders by Hydrothermal Synthesis and Their Antimicrobial Properties**
NOBERİ C., ZAMAN A. C., ÜSTÜNDAĞ C. B., KAYA F., KAYA C., ABAMOR E. Ş., Allahverdiyev A., Bağırova M.
Nano-TR 7, İSTANBUL, 27 Haziran - 01 Temmuz 2011
- XVI. **Synthesis and characterisation of Ag-TiO₂ nano-composite particles for antimicrobial applications**
NOBERİ C., ZAMAN A. C., ÜSTÜNDAĞ C. B., KAYA F., KAYA C., ABAMOR E. Ş., Allahverdiyev A., Bağırova M.
Euro Biomat 2011, Almanya, 13 - 14 Nisan 2011

Metrikler

Yayın: 33

Atıf (WoS): 106

Atıf (Scopus): 144

H-İndeks (WoS): 7

H-İndeks (Scopus): 8

Burslar

High Energy Density Miniature and Large Format Batteries, TÜBİTAK, 2018 - 2019