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International Researcher IDs

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Publons / Web Of Science ResearcherID: N-5468-2015

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Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2013 - 2019

Postgraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2010 - 2013

Undergraduate, Selcuk University, Faculty Of Science, Department Of Physics, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Polimerleşme ve jelleşme süreçlerinin bilgisayar benzetim deneyleriyle modellenmesi, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, 2013

Research Areas

Non-traditional manufacturing methods, Plastic Forming Methods, Polymeric Materials, Material Characterization, Nanomaterials, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Natural Sciences

Academic Titles / Tasks

Assistant Professor, İstanbul Technical University, Havacılık Enstitüsü, 2020 - Continues

Researcher, İstanbul Technical University, Uçak ve Uzay Bilimleri, Uçak Mühendisliği, 2019 - 2021

Research Assistant, İstanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2010 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **3D printable CNTs and BN hybridized PEEK composites for thermal management applications**
 Bozkurt Y. E., Emanetoğlu U., Yıldız A., Türkarslan Ö., Şaşal F. N., Cebeci H.
Journal of Materials Science, vol.58, no.38, pp.15086-15099, 2023 (SCI-Expanded)
- II. **Thermally conductive h-BN reinforced PEI composites: The role of processing conditions on dispersion states**
 Bozkurt Y. E., Yıldız A., Türkarslan O., Sasal F. N., Cebeci H.
MATERIALS TODAY COMMUNICATIONS, vol.29, 2021 (SCI-Expanded)
- III. **Impedance spectroscopy of polyaniline coated hydrogel**
 OKUTAN M., Yavuz E., ÖZEROL E., Şenkal B. F., Yalcin O., Yıldız A.
POLYMER BULLETIN, vol.78, no.8, pp.4473-4486, 2021 (SCI-Expanded)
- IV. **Electrically conductive high-performance thermoplastic filaments for fused filament fabrication**
 Kaynan O., Yıldız A., Bozkurt Y. E., Yenigun E. O., Cebeci H.
COMPOSITE STRUCTURES, vol.237, 2020 (SCI-Expanded)
- V. **The synthesis and dielectric characterization of a low temperature smectic a liquid crystal**
 Caglar P., OCAK H., YILMAZ CANLI N., Yıldız A., OKUTAN M., BİLGİN ERAN B.
MATERIALS RESEARCH EXPRESS, vol.6, no.8, 2019 (SCI-Expanded)
- VI. **The analysis of temperature effect on frequency dependent dielectric parameters of semifluorinated liquid crystalline biphenyl carboxylic acid**
 KARANLIK G., Yıldız A., YILMAZ CANLI N., OCAK H., OKUTAN M., BİLGİN ERAN B.
PHYSICA B-CONDENSED MATTER, vol.555, pp.85-90, 2019 (SCI-Expanded)
- VII. **The temperature effect on dielectric parameters of bent-core liquid crystal (DHB)**
 Canlı N. Y., OCAK H., Yıldız A., OKUTAN M., Eran B. B.
JOURNAL OF MOLECULAR LIQUIDS, vol.238, pp.370-378, 2017 (SCI-Expanded)
- VIII. **The determination of the phase transition temperatures of a semifluorinated liquid crystalline biphenyl ester by impedance spectroscopy as an alternative method**
 Yıldız A., Canlı N. Y., KARANLIK G., OCAK H., OKUTAN M., Eran B. B.
PHYSICA B-CONDENSED MATTER, vol.503, pp.152-156, 2016 (SCI-Expanded)
- IX. **Electrical and impedance properties of composites: Volcanic basalt rocks**
 Yesilkaya S. S., Ozdemir Z. G., Canlı N. Y., Yıldız A., İÇELİ O., OKUTAN M.
COMPOSITES PART B-ENGINEERING, vol.95, pp.488-492, 2016 (SCI-Expanded)
- X. **Conductivity Mechanism of Smectic A Liquid Crystal 4 S 3 7 Dimethyloctyloxy 2 4 S 2 methylbutoxyphenyl imino methyl Phenol in Different Temperatures**
 Yıldız A., Yıldız A., ÇAĞLAR F. P., OCAK H., OKUTAN M., BİLGİN ERAN B.
Journal of Nanoengineering and Nanomanufacturing, vol.6, no.2, pp.154-156, 2016 (SCI-Expanded)
- XI. **The role of temperature on dielectric relaxation and conductivity mechanism of dark conglomerate liquid crystal phase**
 Yıldız A., Canlı N. Y., Ozdemir Z. G., OCAK H., Eran B. B., OKUTAN M.
PHYSICA B-CONDENSED MATTER, vol.485, pp.21-28, 2016 (SCI-Expanded)
- XII. **Conductivity Mechanism of Ethyl-4-(7,7,8,8,9,9,10,10,10-nonafluorodecyloxy)Biphenyl-4 '-Carboxylate (ENBC)**
 Canlı N. Y., Yıldız A., KARANLIK G., Eran B. B., OKUTAN M.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.11, no.1, pp.36-40, 2016 (SCI-Expanded)
- XIII. **Effect of multi wall carbon nanotube on electrical properties 4-[4-((S)-Citronellyloxy)benzoyloxy]benzoic acid liquid crystal host**
 DENKTAŞ C., OCAK H., Okutan M., Yıldız A., Eran B. B., Koysal O.
COMPOSITES PART B-ENGINEERING, vol.82, pp.173-177, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Yön-Kesme Yöntemi ve Kare Izgarada Adreslenmiş Temel Arşimet Latislerinde İki-Boyutlu Bağ**

Perkolasyonu

Yıldız A.

Avrupa Bilim ve Teknoloji Dergisi, no.18, pp.515-530, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Creep Behavior of 3D Printed CB/PEI Composites**
KAYGINOK F., KARABAL M., YILDIZ A., EMANETOĞLU U., CEBECİ H.
3rd Additive Manufacturing Conference (AMCTURKEY 2022), Aydin, Turkey, 6 - 08 October 2022
- II. **Establishing the Polymer Effect on The Viscoelastic Properties of CNTs Reinforced PEI and PEEK**
KAYGINOK F., KARABAL M., YILDIZ A., YILDIZ K., CEBECİ H.
25th International Conference on Composite Structures (ICCS25), Porto, Portugal, 19 July 2022
- III. **Establishing Synergistic Effects of BN and CNT on the Thermal Conductivity of Peek Filaments for 3D Printing**
Bozkurt Y. E., Yıldız A., Emanetoğlu U., Cebeci H.
20th European Conference on Composite Materials (ECCM20), Lausanne, Switzerland, 26 - 30 June 2022
- IV. **BNNT/PEI Nanocomposites for Thermal Management Applications**
BOZKURT Y. E., KAYNAN Ö., YILDIZ A., ÖZDEN YENİGÜN E., CEBECİ H.
35th Polymer Processing Society (PPS-35), 26 - 30 January 2019
- V. **Development of Multifunctional CNTs Reinforced PEI Filaments for Fused Deposition Modeling**
Kaynan Ö., YILDIZ A., Bozkurt Y. E., ÖZDEN YENİGÜN E., CEBECİ H.
AIAA Scitech 2019 Forum, San Diego, California, United States Of America, 7 - 11 January 2019
- VI. **CNTs Incorporated High Performance Electrically Conductive Thermoplastic Filaments for Additive Manufacturing**
Kaynan Ö., Yıldız A., Cebeci H., Özden Yenigün E.
18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018
- VII. **Eklemeli İmalat İçin Ultra Yüksek Performanslı İletken Nanokompozit Filamentlerin Üretimi ve Karakterizasyonu**
KAYNAN O., YILDIZ A., ÖZDEN YENİGÜN E., CEBECİ H.
ASELSAN 3. Malzeme Teknolojileri Çalıştayı, Turkey, 10 - 11 May 2018
- VIII. **The Temperature Effect on Dielectric Behaviour of Ethyl 4 7 7 8 8 9 9 10 10 10 nonafluorodecyloxy biphenyl 4 carboxylate ENBC Liquid Crystal**
YILMAZ CANLI N., KARANLIK G., Yıldız A., OCAK H., OKUTAN M., BİLGİN ERAN B.
OEMT2016: 2nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016
- IX. **Conductivity Mechanism of Smectic A Liquid Crystal ENBC**
Yıldız A., CANLI N. Y., KARANLIK G., BİLGİN ERAN B., OKUTAN M.
OEMT 2015: International Organic Electronic Material Technologies Conference, Elazığ, Turkey, 25 - 28 March 2015
- X. **Time Evolution of Multiple Point Interactions of Pyranine Fluoroprobe with Polyacrylamide Chains During the Polymerization Experiment and Simulation**
Yıldız A., Yılmaz Y., Gelir A.
MAF 12: 12th Conference on Methods and Applications of Fluorescence: Spectroscopy, Imaging and Probes, Strasburg, France, 11 - 14 September 2011

Supported Projects

Yıldız A., Karabal M., Project Supported by Higher Education Institutions, Eklemeli İmalat ile Üretilmiş Karbon Siyahı Katılıklı PEI Kompozitlerin Sürünme Davranışının Matematiksel Modellenmesi, 2022 - 2024

Cebeci H., Yıldız A., Karabal M., Project Supported by Other Private Institutions, Şekil Değiştiren İnsansız Hava Araçları
Balistik Fırlatma Sistemi, 2022 - 2023

Cebeci H., Yıldız A., Bozkurt Y. E., Project Supported by Other Private Institutions, Elektromanyetik Dalga Kalkanlama
(EMI) Etkinliği İyileştirilmiş Termoplastik Granül Geliştirilmesi, 2020 - 2022

Yıldız A., Cebeci H., Other International Funding Programs, Development of 3D Printable High-performance Polymer
Composites For Thermal Management Applications, 2019 - 2020

Özkol İ., Cebeci H., Yıldız A., Development Agency, ITUARC-Yenilikçi Teknolojilerin Akıllı Havacılık ve Uzay Uygulamaları
Araştırma Merkezi, 2018 - 2020

Yılmaz Canlı N., Okutan M., Yıldız A., Project Supported by Higher Education Institutions, Mesogenik Bileşiklerin Sıcaklığa
Bağlı Elektriksel Özellikleri”, BAP Araştırma Projesi, 2017 - 2020

Yıldız A., Cebeci H., Other International Funding Programs, Ultra High Performance Conductive Thermoplastic Cellular
Nanocomposites by 3D Printing, 2017 - 2019

Okutan M., Yıldız A., Project Supported by Higher Education Institutions, Smektogenik Sıvı kristal Moleküllerin Elektro-
Optiksel İncelenmesi, 2016 - 2018

Yıldız A., Project Supported by Higher Education Institutions, Polimerleşme ve jelleşme süreçlerinin bilgisayar benzetim
deneyseliyle modellenmesi, 2011 - 2013

Metrics

Publication: 26

Citation (WoS): 63

Citation (Scopus): 100

H-Index (WoS): 5

H-Index (Scopus): 7