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International Researcher IDs

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

ScopusID: 57205054371

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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, Istanbul Technical University, Havacılık Enstitüsü, 2020 - Continues

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

Research Assistant, Istanbul 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., Türkarlan 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., Turkarlan 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)**
Canli 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., Canli 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., Canli N. Y., Yıldız A., İÇELLİ 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., Canli 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)**
Canli 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), Aydın, 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. **Eklemler için 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, Eklemler için Ultra Yüksek Performanslı İletken Nanokompozit Filamentlerin Üretimi ve Karakterizasyonu ile Üretilmiş Karbon Siyahı Katkılı 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 Arastırma 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 deneyleriyle modellenmesi, 2011 - 2013

Metrics

Publication: 26

Citation (WoS): 63

Citation (Scopus): 100

H-Index (WoS): 5

H-Index (Scopus): 7