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Publons / Web Of Science

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Learning Knowledge

Doctorate 2004 - 2012	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey
Postgraduate 2001 - 2004	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey
Undergraduate 1997 - 2001	Karadeniz Technical University, Fen Fakültesi, Fizik, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Foreign Language, Yabancı Dil, Almanca, InterDaF e. V. am Herder Institut der Universität Leipzig Germany, 2017,
InterDaF e. V. am Herder Institut der Universität Leipzig Germany, 2017

Academic Titles / Tasks

Professor
2023 - Continues

Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics

Associate Professor
2015 - Continues

Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics

Supported Projects

1. YILMAZ CANLI N., KARA İ., Project Supported by Higher Education Institutions, Kiral Smektik Sıvı Kristallerin Dielektrik Özellikleri, 2023 - Continues
2. YILMAZ CANLI N., ÇAKIR İ., Project Supported by Higher Education Institutions, Boya Duyarlı Güneş Pillerinde Farklı Mesofaz Sergileyen Sıvı Kristal Katkılı Elektrolitlerin Geliştirilmesi, 2023 - Continues
3. Ocak H., Bilgin Eran B., Akdaş Kılıç H., Yılmaz Canlı N., TÜBİTAK International Bilateral Joint Cooperation Program Project, 2531 - Tübitak-Alman Akademik Değişim Servisi (DAAD) ile İkili İş Birliği Programı-221N431-New 4-Cyanoresorcinol Based Bent-Core Molecules with a Chiral Terminal Group, 2022 - 2024
4. Bilgin Eran B., Ocak H., Yılmaz Canlı N., Akdaş Kılıç H., Çelikkalek Ersundu M., TUBITAK Project, Yeni Agregasyon Kaynaklı Emisyon Aktif Kiral Sıvı Kristal Malzemeler: Sentez, Mesomorfik, Fotofiziksel Ve Elektro-Optik Özelliklerin İncelenmesi, 2022 - 2024
5. YILMAZ CANLI N., OCAK H., BİLGİN ERAN B., Uyunmaz M., KAVAK P., Erdoğan M., Project Supported by Higher Education Institutions, Farklı Mesofazlar Gösteren Sıvı Kristallerin Dielektrik Parametrelerinin Hesaplanması ve Karşılaştırılması, 2021 - 2023
6. Yılmaz Canlı N., Bedeloğlu A., Haniç C., Gelen G., Gümüş Ö. Y., TUBITAK Project, Giyilebilir Elektronikler İçin Nanolif Esaslı Esnek ve Hibrit Nanogeneratörlerin Geliştirilmesi, 2020 - 2023
7. Akdaş Kılıç H., Bilgin Eran B., Ocak H., Yılmaz Canlı N., TUBITAK Project, TÜBİTAK 2232 Projesi-All organic photoactive liquid crystalline materials for 3D optical data storage, 2020 - 2023
8. OCAK H., BİLGİN ERAN B., KARANLIK G., Sezgin B., ÖZKONSTANYAN A., YILMAZ CANLI N., CAN C., Project Supported by Higher Education Institutions, Laktat Uçlu Yeni Asimetrik Muz Şekli Sıvı Kristallerin Sentezi ve Mesomorfik Özelliklerinin İncelenmesi, 2017 - 2020
9. YILMAZ CANLI N., YILDIZ A., BEDELOĞLU A., BİLGİN ERAN B., OKUTAN M., OCAK H., KARANLIK G., Erdoğan M., Project Supported by Higher Education Institutions, MESOGENİK BİLEŞİKLERİN SICAKLIĞA BAĞLI ELEKTRİKSEL ÖZELLİKLERİ, 2017 - 2020
10. BİLGİN ERAN B., KARANLIK G., ÇAĞLAR EYOL F. P., OCAK H., YILMAZ CANLI N., Project Supported by Higher Education Institutions, Yeni Optikçe Aktif Sıvı Kristal Moleküllerin Sentezi, Karakterizasyonu, Elektro-optik ve Dielektrik Özelliklerinin İncelenmesi, 2017 - 2019
11. Bilgin Eran B., Ocak H., Karanlık G., Yılmaz Canlı N., TUBITAK Project, Piridin Esaslı Yeni Mesogenik Malzemelerin Sentezi, Karakterizasyonu Ve Elektro-Optik Özelliklerinin İncelenmesi, 2017 - 2019
12. Yılmaz Canlı N., Project Supported by Public Organizations in Other Countries, Polar and Photonic Properties of Bent-Core Liquid Crystals in Bulk and Restricted Geometry, 2017 - 2018
13. GÜVEN ÖZDEMİR Z., YILMAZ CANLI N., Project Supported by Higher Education Institutions, Evropiyum Bazlı Yüksek Sıcaklık Süperiletkenlerinin Dielektrik Özelliklerinin Tespiti Ve Teknolojik Önemi, 2014 - 2017
14. Yılmaz Canlı N., Çelik Bedeloğlu A., TUBITAK Project, Polimer Esaslı Esnek Organik Fotovoltaik Liflerin Geliştirilmesi ve Özelliklerinin İyileştirilmesi, 2014 - 2017
15. YILMAZ CANLI N., GÜVEN ÖZDEMİR Z., Project Supported by Higher Education Institutions, Sıvı Kristallerin Dielektrik Parametrelerinin Belirlenmesi, 2014 - 2016
16. YILMAZ CANLI N., Project Supported by Higher Education Institutions, Kalamitik Sıvı Kristal Katkısı ile Organik Güneş Pillerinin Morfolojik Özelliklerinin İyileştirilmesi, 2014 - 2016

17. BİLGİN ERAN B., YILMAZ CANLI N., Project Supported by Higher Education Institutions, Yeni Kiral Sıvı Kristal Malzemelerin Sentezi, Karakterizasyonu ve Organik Güneş Pillerine Uygulanması, 2010 - 2013
18. Bilgin Eran B., Yörür Göreci Ç., Güneş S., Keith C., Ocak H., Yılmaz Canlı N., TUBITAK Project, Sıvı Kristal Malzemelerin Dizaynı, Sentezi, Mesomorfik Özelliklerinin İncelenmesi ve Organik Güneş Pillerine Uygulanması, 2007 - 2010
19. GÜNEŞ S., YILMAZ CANLI N., Project Supported by Higher Education Institutions, Organik güneş pillerinin akım-gerilim karakteristiklerinin incelenmesi., 2008 - 2009
20. Güneş S., Bilgin Eran B., Yılmaz Canlı N., Ocak H., Çevik E., Project Supported by Higher Education Institutions, Organik Güneş Pillerinin Akım-Gerilim Karakteristiklerinin İncelenmesi, 2008 - 2009
21. Yılmaz Canlı N., European Science Foundation (ESF) Supported Project, ESF New Generation of Organic based Photovoltaic Devices, 2008 - 2009
22. GÜNEŞ S., YILMAZ CANLI N., Project Supported by Higher Education Institutions, Sıvı kristaller kullanılarak organik güneş pillerinin fabrikasyonu ve karakterizasyonu ve geliştirilmesi., 2007 - 2009
23. Güneş S., Bilgin Eran B., Yılmaz Canlı N., Ocak H., Yörür Göreci Ç., Project Supported by Higher Education Institutions, Sıvı Kristaller Kullanılarak Organik Güneş Pillerinin Fabrikasyonu ve Karakterizasyonu ve Geliştirilmesi, 2007 - 2009

Awards

1. Yılmaz Canlı N., 2011-2012 Doktora Tezinden en çok uluslararası yayın yapan araştırmacı ödülü, Üniversite, July 2012
2. Yılmaz Canlı N., Yayın Teşvik ödülü, Tübitak, June 2005

Scholarships

Alexander von Humboldt Bursu, Official Institutions of Foreign Countries, 2017 - 2018

European Science Foundation (ESF) "New Generation of Organic based Photovoltaic Devices", European Commission, 2008 - 2008

Jury Memberships

Doctorate, Doctorate, Bursa Teknik Üniversitesi, July, 2023

Doctorate, Doctorate, Bursa Teknik Üniversitesi, July, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Yıldız Teknik Üniversitesi, July, 2023

Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2022

Doctorate, Doctorate, Bursa Teknik Üniversitesi, September, 2020

Post Graduate, Yüksek lisans Tez Jürisi, Bursa Teknik Üniversitesi, April, 2018

Doctorate, An Investigation into Polymer-Based Photovoltaic Fiber Structures, Doktora Tez Jürisi, İstanbul Teknik Üniv, June, 2017

Post Graduate, Yüksek lisans Tez Jürisi, Balıkesir Üniversitesi Fizik Bölümü, May, 2017

Post Graduate, Yüksek lisans Tez Jürisi, İstanbul Teknik Üniv, May, 2017

Post Graduate, Yüksek lisans Tez Jürisi, İstanbul Teknik Üniv, July, 2016

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Determination of Dielectric Properties of 5CB Nematic Liquid Crystal Doped with New Chiral Calamitic Compounds**

Yılmaz Canlı N., Özükanar D., Vardar D., Kavak P., Aşıkoğlu A., Ocak H., Bilgin Eran B.

JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.34, no.1304, pp.1-10, 2023 (SCI-Expanded)

2. **Comparative dielectric study of bent-core liquid crystal doped 5CB**
Canlı N., ERDOĞAN M., KAVAK P.
FERROELECTRICS, vol.585, no.1, pp.198-210, 2021 (SCI-Expanded)
3. **Synthesis, characterization and investigation of mesomorphic and dielectric properties of novel biphenyl-based bent-core liquid crystals**
Canlı N. Y., Ocak H., Kara H., Bakirdogen G., Eran B. B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.19, pp.24560-24574, 2021 (SCI-Expanded)
4. **Synthesis, mesomorphic and dielectric properties of new bent-core liquid crystal with a terminal lactate group**
Ocak H., Canlı N. Y., Bilgin Eran B.
Journal of Molecular Structure, vol.1223, 2021 (SCI-Expanded)
5. **Comparative dielectric parameters and conductivity mechanisms of pyridine-based rod-like liquid crystals**
Yılmaz Canlı N., Ocak H., Okutan M., Karanlık G., Bilgin Eran B.
Phase Transitions, vol.93, no.8, pp.784-792, 2020 (SCI-Expanded)
6. **The analysis of phase transition temperatures of SmA liquid crystal by dielectric characterization**
Erdogan M., YILMAZ CANLI N.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.14, no.7-8, pp.344-350, 2020 (SCI-Expanded)
7. **The dielectric parameters of a pyridine-based calamitic liquid crystal**
Karanlık G., Ocak H., Canlı N., Okutan M., Eran B.
MATERIALS RESEARCH EXPRESS, vol.6, no.11, 2019 (SCI-Expanded)
8. **The synthesis and dielectric characterization of a low temperature smectic a liquid crystal**
Caglar P., Ocak H., Canlı N., Yıldız A., Okutan M., Eran B.
MATERIALS RESEARCH EXPRESS, vol.6, 2019 (SCI-Expanded)
9. **The analysis of temperature effect on frequency dependent dielectric parameters of semifluorinated liquid crystalline biphenyl carboxylic acid**
Karanlık G., Yıldız A., Canlı N., Ocak H., Okutan M., Eran B.
Physica B: Condensed Matter, vol.555, pp.85-90, 2019 (SCI-Expanded)
10. **Synthesis of chalcone-containing methacrylate-based hydrogen bonded side chain liquid crystalline polymer and its dielectric properties**
Korkmaz B., Gursel Y. H., Canlı N., Ozdemir Z., Okutan M., Şenkal B. F.
Polymers for Advanced Technologies, vol.28, no.11, pp.1351-1356, 2017 (SCI-Expanded)
11. **The temperature effect on dielectric parameters of bent-core liquid crystal (DHB)**
Canlı N., Ocak H., Yıldız A., Okutan M., Eran B.
JOURNAL OF MOLECULAR LIQUIDS, vol.238, pp.370-378, 2017 (SCI-Expanded)
12. **The determination of the phase transition temperatures of a semifluorinated liquid crystalline biphenyl ester by impedance spectroscopy as an alternative method**
Yıldız A., Yılmaz Canlı N., Karanlık G., Ocak H., Okutan M., Eran B. B.
Physica B: Condensed Matter, vol.503, pp.152-156, 2016 (SCI-Expanded)
13. **Structure and Impedance Properties of Some Basalt Materials Under Magnetic Field**
Cinar M., Kılıç M., Karabul Y., Canlı N., Alkan U., Okutan M., İçelli O.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.11, no.4, pp.477-483, 2016 (SCI-Expanded)
14. **Molecular orientation of nickel phthalocyanine doped nematic liquid crystal composite under magnetic field**
Ozdemir Z., Canlı N. Y., Kılıç M., Koysal O., Yılmaz O., Okutan M.
Molecular Crystals and Liquid Crystals, vol.634, no.1, pp.1-11, 2016 (SCI-Expanded)
15. **Synthesis and electrical properties of hydrogen bonded liquid crystal polymer**

- Korkmaz B., Canli N., Ozdemir Z., Okutan M., Gursel Y. H., Saraç A., Şenkal B. F.
JOURNAL OF MOLECULAR LIQUIDS, vol.219, pp.1030-1035, 2016 (SCI-Expanded)
16. **Electrical and impedance properties of composites: Volcanic basalt rocks**
Yeşilkaya S. S., Ozdemir Z., Canli N., Yıldız A., İçelli O., Okutan M.
COMPOSITES PART B-ENGINEERING, vol.95, pp.488-492, 2016 (SCI-Expanded)
 17. **The role of temperature on dielectric relaxation and conductivity mechanism of dark conglomerate liquid crystal phase**
Yıldız A., Canli N., Ozdemir Z., Ocak H., Eran B. B., Okutan M.
Physica B: Condensed Matter, vol.485, pp.21-28, 2016 (SCI-Expanded)
 18. **Calamitic Liquid Crystals as Additive Material to the Organic Solar Cells**
Yılmaz Canlı N., Safak Boroglu M.
Journal Of Nanoelectronics And Optoelectronics, vol.11, pp.18-23, 2016 (SCI-Expanded)
 19. **Conductivity Mechanism of Ethyl 4 7 7 8 8 9 9 10 10 10 nonafluorodecyloxy Biphenyl 4 Carboxylate ENBC**
Yılmaz Canlı N., Alptekin Y., Karanlık G., Bilgin Eran B., Okutan M.
Journal Of Nanoelectronics And Optoelectronics, vol.11, pp.36-40, 2016 (SCI-Expanded)
 20. **Chiral Liquid Crystal-Based Sensor for the Detection of Low Humidity**
Canli N., Ozdemir Z.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.623, no.1, pp.64-73, 2015 (SCI-Expanded)
 21. **Dielectric Properties of 4-Cyano-4'-pentylbiphenyl (5CB): 4-[4-(S)-2-Methylbutoxybenzoyloxy]benzoic Acid (BAC) Composite**
Canlı N., Ozdemir Z., Okutan M., Guzeller D., Ocak H., Eran B.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.623, no.1, pp.17-30, 2015 (SCI-Expanded)
 22. **The electrical properties of nickel (II) phthalocyanine and phenyl-C-61-butyric-acid-methyl ester doped nematic liquid crystals under laser light**
Ozdemir Z., Canli N., Yilmaz O., Kırsoy A., Okutan M., Koysal O.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.26, pp.1587-1592, 2015 (SCI-Expanded)
 23. **Super-capacitive behavior of carbon nano tube doped 11-(4-cyanobiphenyl-4-oxy) undecan-1-ol**
Ozdemir Z., Canli N., Şenkal B. F., Gürsel Y., Okutan M.
JOURNAL OF MOLECULAR LIQUIDS, vol.211, pp.442-447, 2015 (SCI-Expanded)
 24. **Dielectric Anisotropy Properties of BAC-Doped 5CB Liquid Crystal**
Ozdemir Z., Canli N., Okutan M., Eran B. B.
Molecular Crystals and Liquid Crystals, vol.616, no.1, pp.102-111, 2015 (SCI-Expanded)
 25. **Addition of single-wall carbon nanotubes to a liquid crystal material: Impact on dielectric properties**
Gürsel Y., Şenkal B. F., Canlı N., Ozdemir Z., Ahlatcioglu E., Yilmaz O., Okutan M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.34, pp.182-188, 2015 (SCI-Expanded)
 26. **The Effect of Different Liquid Crystal Compounds on Conduction Mechanism of 4-Cyano-4(')-n-heptylbiphenyl (7CB) by Using I-V Characteristics**
Canli N., Ozdemir Z., Eran B. B.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.608, no.1, pp.47-54, 2015 (SCI-Expanded)
 27. **Alternative Current Conductivity Mechanism of BAC Doped Nematic Liquid Crystals**
Canli N., Ozdemir Z., Okutan M., Eran B. B.
JOURNAL OF NANO ELECTRONICS AND OPTOELECTRONICS, vol.10, pp.61-64, 2015 (SCI-Expanded)
 28. **Determination of Chaotic Behavior in Liquid Crystal**
Ozdemir Z., Canli N., OCAK H., Eran B. B.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.607, no.1, pp.87-93, 2015 (SCI-Expanded)
 29. **Bilayer polymer/fullerene solar cells with a liquid crystal**
CANLI N., Boroglu M. S., Bilgin-Eran B., GÜNEŞ S.
THIN SOLID FILMS, vol.560, pp.71-76, 2014 (SCI-Expanded)
 30. **The Effect of Chiral Liquid Crystalline Compound on P3HT C60 Bilayer Solar Cells**
YILMAZ CANLI N., Günes S., BİLGİN ERAN B.

- Optoelectronics And Advanced Materials-Rapid Communications, vol.8, pp.598-602, 2014 (SCI-Expanded)
31. **Synthesis, mesomorphic and physical properties of two new analogs of Schiff's base with an alkenic terminal chains**
Yılmaz Canlı N., Bilgin-Eran B., Nesrullajev A.
JOURNAL OF MOLECULAR STRUCTURE, vol.990, pp.79-85, 2011 (SCI-Expanded)
 32. **Chiral (S)-5-octyloxy-2-[[4-(2-methylbutoxy)-phenylimino]-methyl]-phenol liquid crystalline compound as additive into polymer solar cells**
CANLI N., GÜNEŞ S., PIVRIKAS A., FUCHSBAUER A., SINWEL D., SARICIFTCI N. S., YASA O., Bilgin-Eran B.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.94, no.6, pp.1089-1099, 2010 (SCI-Expanded)
 33. **Dielectric anisotropy and dielectric relaxation dynamics in chiral and non-chiral salicylaldehyde - nematic crystal composites**
YILMAZ CANLI N., yaşa ö., YÖRÜR GÖRECİ Ç., BİLGİN ERAN B., yakuphanoglu f.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.4, no.1, pp.86-92, 2010 (SCI-Expanded)
 34. **Dielectric properties of N-SmC* liquid crystalline composite**
YILMAZ CANLI N., Yakuphanoglu F., Yasa O., BİLGİN ERAN B.
Optoelectronics and Advanced Materials, Rapid Communications, vol.4, no.6, pp.821-827, 2010 (SCI-Expanded)
 35. **Molecular orientation and electrical properties of 4-cyano-4'-n-heptylbiphenyl-salicylaldehyde compound composite liquid crystals by dielectric impedance spectroscopy and current-voltage techniques**
YILMAZ CANLI N., Yakuphanoglu F., Bilgin-Eran B.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.3, no.7, pp.731-736, 2009 (SCI-Expanded)
 36. **Synthesis, Characterization and Thermal Behaviour of New Chiral Imine Mesogens and Their Achiral Analogs**
Yılmaz Canlı N., Nesrullazade A., Yasa O., Bilgin Eran B.
Journal Of Optoelectronics And Advanced Materials, vol.1, no.3, pp.577-581, 2009 (SCI-Expanded)
 37. **Characterization and investigation of the mesogenic, thermo-morphologic and thermotropic properties of new chiral (S)-5-octyloxy-2-[[4-(2-methylbutoxy)-phenylimino(methyl)]phenol liquid crystalline compound**
Eran B., Nesrullajev A., CANLI N.
MATERIALS CHEMISTRY AND PHYSICS, vol.111, pp.555-558, 2008 (SCI-Expanded)
 38. **Diffusion and influence of Cu on properties of CdTe thin films and CdTe/CdS cells**
DZHAFAROV T., Yesilkaya S. S., Canlı N., Caliskan M.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.85, no.3, pp.371-383, 2005 (SCI-Expanded)

Articles Published in Other Journals

1. **Synthesis of oxanorbornene-based phosphonium polymeric ionic liquids (PILs) and investigation of their electrical properties**
Misenan M., SÜER N. B., YILMAZ CANLI N., A. Khair A., EREN T.
Materials Advances, vol.5, no.5, pp.1977-1990, 2024 (ESCI)
2. **Conductivity Mechanism of Smectic A Liquid Crystal 4-((S)-3,7-Dimethyloctyloxy)-2-[[[4-(S)-2-methylbutoxyphenyl]imino]methyl]Phenol in Different Temperatures**
Yılmaz Canlı N., Yıldız A., Çağlar Eyol F. P., Ocak H., Bilgin Eran B., Okutan M.
Journal of Nanoengineering and Nanomanufacturing, vol.6, no.2, pp.154-156, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Investigation of Dielectric Properties of 5CB Doped by SmA LC and Cr**
Özükanar D., Kavak P., Yılmaz Canlı N., Asikoglu Bozkurt A., Vardar D., Ocak H., Bilgin Eran B.
9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.1
2. **Dielectric Behavior of 5CB Nematic Liquid Crystal Doped with MDC/DDC**
Uyunmaz M., Kavak P., Yılmaz Canlı N., Vardar D., Ocak H., Bilgin Eran B.
9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.1
3. **Comparison of Dielectric Properties of 1wt.% SmC* LC Doped Nematic LC**
Salah Mahdi I., Kavak P., Yılmaz Canlı N.
th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.1
4. **Comparison of Dielectric Parameters of Novel Banana-Shaped Liquid Crystals**
Yılmaz Canlı N., Kara H., Erdoğan M.
4 th International Conference on Physical Chemistry and Functional Materials (PCFM'21) April 08-09, 2021, Elazığ, Turkey, 8 - 09 April 2021, pp.18
5. **An Investigation of Temperature and Frequency Dependences of Dielectric Characterization of 5CB Doped %1 Liquid Crystal Showed Banana Mesophases**
Yılmaz Canlı N., Erdoğan M.
4th International Conference on Physical Chemistry & Functional Materials, Elazığ, Turkey, 8 - 09 April 2021, pp.87
6. **Dielectric Characterization of SmA Liquid Crystal Dependence on Temperature**
Erdoğan M., Yılmaz Canlı N.
TÜRK FİZİK DERNEĞİ 35.ULUSLARARASI FİZİK KONGRESİ, Muğla, Turkey, 4 - 08 September 2019, pp.1-2
7. **The Temperature Effect on Dielectric Parameters of The Pyridine-Based Calamitic Liquid Crystal (MDPC)**
Karanlık G., Ocak H., Yılmaz Canlı N., Bilgin Eran B.
21 st JCF Frühjahrssymposium, Bremen, Germany, 20 - 23 March 2019, pp.172
8. **The Temperature Effect on Dielectric Behaviour of Ethyl-4-(7,7,8,8,9,9,10,10,10,10-nonafluorodecyloxy)biphenyl-4'-carboxylate (ENBC) Liquid Crystal**
YILMAZ CANLI N., KARANLIK G., YILDIZ A., OCAK H., OKUTAN M., BİLGİN ERAN B.
OEMT2016 2nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 - 19 May 2016
9. **The Temperature Effect on Dielectric Behaviour of Ethyl-4-(7,7,8,8,9,9,10,10,10,10-nonafluorodecyloxy)biphenyl-4'-carboxylate (ENBC) Liquid Crystal**
Yılmaz Canlı N., Karanlık G., Yıldız A., Ocak H., Okutan M., Bilgin Eran B.
OEMT2016 2nd International Conference on Organic Electronic Material Technologies, Çanakkale, Turkey, 17 May 2016 - 19 May 2019, pp.1
10. **Europium Based Composite Material As a Negative Dielectric Constant Medium**
Güven Özdemir Z., Aslan Çataltepe Ö., Yılmaz Canlı N., Kılıç M., Karabul Y., Okutan M., Onbaşlı Ü.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.82
11. **Conductivity Mechanism of SmA Liquid Crystal 4 S 3 7 Dimethyloctyloxy 2 4 S 2 methylbutoxyphenyl imino methyl phenol in Different Temperatures**
Yılmaz Canlı N., Yıldız A., Çağlar F. P., Ocak H., Okutan M.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.1-2
12. **Impedance Properties of Conducting Polymers Basalt Composites Under Magnetic Field**
Bulgurcuoğlu A. E., Erdönmez S., Karabul Y., Kılıç M., Yılmaz Canlı N., İçelli O., Okutan M.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.1-2
13. **Dielectric Characterization of Some Basalt Materials under Magnetic Field**

Meltem Ç., Kılıç M., Karabul Y., Yılmaz Canlı N., Alkan Ü., Okutan M., İçelli O.

Advanced and Functional Material Technologies (AFMAT2015), Antalya, Turkey, 26 - 28 October 2015, pp.48

14. **Adding of Calamitic Liquid Crystals with Different Terminal Chains to P3HT in P3HT:C60 Bilayer Heterojunction Solar Cells**

Yılmaz Canlı N., Safak Boroglu M.

EMRS 2015, 11-15 May, Lille, France., Lille, France, 11 - 15 May 2015, pp.1-2

15. **Calamitic Liquid Crystals as Additive Materials to the Organic Solar Cells**

Yılmaz Canlı N., Boroglu M. Ş.

First International Conference on Organic Electronic Material Technologies OEMT2015, Elazığ, Turkey, 25-28 March, Elazığ, Turkey, 25 - 28 March 2015, pp.1-2

16. **Conductivity Mechanism of Smectic A Liquid Crystal ENBC**

Yılmaz Canlı N., Yıldız A., Karanlık G., Eran B. B., Okutan M.

1st International Conference on Organic Electronic Material Technologies (OEMT'2015), Çanakkale, Turkey, 25 - 28 March 2015, pp.1-2

17. **The Effect of Laser Light on VCNR Behavior of NiPc and PCBM Doped Nematic Liquid Crystals**

Güven Özdemir Z., Yılmaz Canlı N., Yılmaz Ö., Kırsoy A., Okutan M., Köysal O.

1st International Conference on Organic Electronic Material Technologies OEMT 2015, Elazığ, Turkey, 25 - 28 March 2015, pp.124

18. **Physical and Electrical Characteristics of Low-Temperature Annealed Zinc Oxide Thin Films for Flexible Polymer-Based Organic Solar Cells**

Yılmaz Canlı N., Borazan I., Demir A., Celik Bedeloglu A.

First International Conference on Organic Electronic Material Technologies OEMT2015, Elazığ, Turkey, 25-28 March 2015, Elazığ, Turkey, 25 - 28 March 2015, pp.1-2

19. **AC Conductivity Mechanism of BAC Doped Nematic Liquid Crystal**

Yılmaz Canlı N., Güven Özdemir Z., Okutan M., Bilgin Eran B.

Nanong14, Elazığ, Turkey, 20 - 22 August 2014, pp.1-2

20. **Liquid Crystalline Compounds as Additive into Polymer Solar Cells**

Yılmaz Canlı N.

Humboldt Kolleg 2014 German-Turkish Cooperation in Physics: New Challenges in Science 11-13 June 2014, Ankara, Turkey, 11 - 13 June 2014

21. **Bilayer Heterojunction Solar Cells using LC**

Yılmaz Canlı N., Güneş S., Bilgin Eran B.

Solar Energy for World Peace, İstanbul, Turkey, 17 - 19 August 2013, pp.15-16

22. **Bilayer Polymer/Fullerene Solar Cells adding Liquid crystal Solar Cells**

Yılmaz Canlı N., Güneş S., Bilgin Eran B., Sarıçiftçi N. S.

E-MRS 2013 Spring Meeting, Strasbourg, France, 27 - 31 May 2013, pp.10-11

23. **Liquid Crystalline Additives into Bilayer Polymer/Fullerene Solar Cells**

Yılmaz Canlı N., Güneş S., Bilgin Eran B., Sarıçiftçi N. S.

TÜRK FİZİK DERNEĞİ 28.ULUSLARARASI FİZİK KONGRESİ,, Muğla, Turkey, 6 - 09 September 2011, pp.823-824

24. **Dielectrical Relaxation and Anisotropy Properties Of Chiral Smectic-Nematic Liquid Crystal Composite**

Yılmaz Canlı N., Yasa O., Yakuphanoglu F., Bilgin Eran B.

TFD 2010, İstanbul, Turkey, 14 - 17 September 2010, pp.1-2

25. **Conjugated Polymer Based Solar Cells and Their Nanostructural Improvement**

Cevik E., Ilıcalı D., Günday G., Karatas I., Karşı A., Wild A., Egbe D., Yılmaz Canlı N., Yasa O., Bilgin Eran B., et al.

6. Nanobilim ve Nanoteknoloji Konferansı, İzmir, Turkey, 15 - 18 June 2010, pp.1-2

26. **Chemical Additives Improving the Performance of Organic Solar Cells**

Stadler P., Neugebauer H., Sarıçiftçi N. S., Yılmaz Canlı N., Bilgin Eran B., Yasa O.

E-MRS 2009 Spring Meeting Strasbourg (France), Strasbourg, France, 8 - 12 June 2009, pp.3-5

27. **Charge Carrier Transport in Bulk-Heterojunction Solar Cells with Chemical Additives**

Yılmaz Canlı N., Yasa O., Bilgin Eran B., Stadler P., Neugebauer H., Serdar Sarıçiftçi N.

8th International Conference on Optical Probes of Cojugated Polymers and Organic Nanostructures, June 6-10, 2009, p.54 Beijing, China., Beijing, China, 6 - 10 June 2009, pp.1-2

28. **Synthesis Characterization and Thermal Behaviour of New Chiral Imine Mesogens and Their Achiral Analogs**

Yılmaz Canlı N., Nesrullazade A., Yasa Ö., Bilgin Eran B.

Condensed Matter Physics Conference of Balkan Countries, Muğla, 26- 28 Mayıs 2008., Muğla, Turkey, 26 - 28 May 2008, pp.2-3

29. **Characterization and Investigation of the Mesogenic Morphologic and Thermotropic Properties of New Chiral S 5 Octyloxy 2 4 2 Methylbutoxy Phenylimino Methyl Phenol Liquid Crystalline Compound**

Yılmaz Canlı N., Nesrullazade A., Bilgin Eran B.

TFD 24 Uluslararası Fizik Kongresi 2007, Malatya, Turkey, 28 - 31 August 2007, pp.3-4

Academic and Administrative Experience

2023 - Continues	Erasmus Program Department Coordinator	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
2019 - Continues	ÇAP Komisyonu üyesi	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
2019 - Continues	Laboratuvar ve İş Güvenliği Koordinatörlüğü İş Güvenliği Komisyonugi Koordinatorlülüğü Komisyonu	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
2019 - 2020	Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
2018 - 2019	Bologna intibak komisyonu	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
2017 - 2019	Birim Stratejik Plan Komisyonu Üyesi	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
2016 - 2019	Fizik Erasmus Komisyonu	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics

Courses

Pyhsics 2, Undergraduate, 2021 - 2022

Physics1, Undergraduate, 2022 - 2023, 2021 - 2022

Sıvı Kristallerin Yapıları Özellikleri ve Uygulamaları, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017

Physical properties of liquid crystals1, Postgraduate, 2021 - 2022

Sıvı Kristallerin Fiziksel Özellikleri 1, Postgraduate, 2020 - 2021, 2019 - 2020

FIZIK2, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Fizik1, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017

Physics1Lab Experiments, Undergraduate, 2015 - 2016, 2014 - 2015

Physics 3 Recitations, Undergraduate, 2014 - 2015

Advising Theses

Yılmaz Canlı N., Kiral Smektik Sıvı Kristallerin Dielektrik Özellikleri, Postgraduate, İ.KARA(Student), Continues

Yılmaz Canlı N., Boya Duyarlı Güneş Pillerinde Farklı Mesofaz Sergileyen Sıvı Kristal Katkılı Elektrolitlerin Geliştirilmesi, Postgraduate, İ.ÇAKIR(Student), Continues

Yılmaz Canlı N., DIELECTRIC AND THERMODYNAMIC PROPERTIES OF SMC* LIQUID CRYSTALS, Postgraduate, I.SALAH(Student), 2024

Yılmaz Canlı N., Farklı Mesofaz Sergileyen Sıvı Kristallerin Morfolojik ve Dielektrik Özelliklerinin Araştırılması, Postgraduate, D.ÖZÜKANAR(Student), 2024

Yılmaz Canlı N., Kalamitik Sıvı Kristallerin Mesomorfik ve Elektro-optik Özelliklerinin İncelenmesi, Postgraduate, M.Uyunmaz(Student), 2023

Yılmaz Canlı N., Muz Tipi Sıvı Kristallerin Faz Geçiş Parametrelerinin Dielektrik Spektroskopi Yöntemi İle Karakterizasyonu, Postgraduate, H.Kara(Student), 2022

Yılmaz Canlı N., Sıvı Kristal Kompozitlerin Dielektrik Özellikleri, Postgraduate, M.ERDOĞAN(Student), 2021

Okutan M., Yılmaz Canlı N., Investigation of phase transitions of liquid crystals by dielectric spectroscopy method, Doctorate, A.YILDIZ(Student), 2019

Scientific Refereeing

Journal of Innovative Engineering and Natural Science, Other Indexed Journal, May 2023

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2023

Project Supported by Higher Education Institutions, BAP Research Project, Eskisehir Osmangazi University, Turkey, October 2022

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, June 2022

Project Supported by Higher Education Institutions, BAP Research Project, Bursa Technical University, Turkey, June 2022

Journal Of Industrial Textiles, Journal Indexed in SCI-E, January 2022

Project Supported by Higher Education Institutions, BAP Research Project, Isparta University Of Applied Sciences, Turkey, November 2020

POLYMERS & POLYMER COMPOSITES, SCI Journal, June 2020

Project Supported by Higher Education Institutions, BAP Research Project, Balikesir University, Turkey, December 2019

Project Supported by Higher Education Institutions, BAP Research Project, Balikesir University, Turkey, December 2019

Journal Of Industrial Textiles, Journal Indexed in SCI-E, September 2019

Optoelectronics and Advanced Materials, Journal Indexed in SCI-E, February 2019

Türk Fizik Dergisi, National Scientific Refreed Journal, June 2018

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul Technical University, Turkey, April 2018

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul Technical University, Turkey, August 2017

POLYMER COMPOSITES, Journal Indexed in SCI-E, May 2016

POLYMERS FOR ADVANCED TECHNOLOGIES, Journal Indexed in SCI-E, December 2015

Metrics

Publication: 69
Citation (WoS): 261
Citation (Scopus): 323
H-Index (WoS): 9
H-Index (Scopus): 9

Congress and Symposium Activities

Network Meeting of the Alexander von Humboldt Foundation Bielefeld, 18 – 20 October 2017, Working Group, Bielefeld, Germany, 2017
7th Bonn Humboldt Award Winners' Forum "Fundamental Concepts and Principles of Chemical Energy Conversion, Working Group, Bonn, Germany, 2017
HUMBOLDT-KOLLEG 2014 German-Turkish Cooperation in Physics: New Challenges in Science, Working Group, Ankara, Turkey, 2014

Invited Talks

HUMBOLDT KOLLEG 2023, Conference, Ankara Üniversitesi, Turkey, April 2023

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Physical Chemistry, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Natural Sciences