

Assoc. Prof. ADEM KOÇYIĞIT

Personal Information

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International Researcher IDs

ScholarID: [hyAKxigAAAAJ](https://orcid.org/0000-0002-8502-2860)

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Publons / Web Of Science ResearcherID: V-3730-2017

ScopusID: 55848815700

Yoksis Researcher ID: 37074

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (Dr), Turkey 2011 - 2014

Undergraduate, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Turkey 2005 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Spray pyrolysis ve spin coating metotlarıyla elde edilen SnO₂:Sb:F ince filmlerin bazı fiziksel özelliklerinin araştırılması, Ataturk University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (Dr), 2014

Research Areas

Renewable energy, Optical Properties, Physical Properties, Electrical and Magnetic Properties, Composites, Plating, Material Characterization, Nanomaterials, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Associate Professor, Bilecik Seyh Edebali University, Meslek Yüksekokulu, Elektronik Ve Otomasyon, 2021 - Continues
Associate Professor, Iğdir University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2019 - 2021

Assistant Professor, Iğdir University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2014 - 2020

Lecturer, Iğdir University, Iğdir Health Services Vocational School, Department Of Medical Services And Techniques, 2010 - 2014

Academic and Administrative Experience

Igdir University, 2020 - 2021
Igdir University, 2017 - 2020
Igdir University, 2014 - 2016
Igdir University, 2013 - 2014

Courses

MİKROELEKTRONİK, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
Elektrik Devreleri I, Undergraduate, 2019 - 2020
DİJİTAL OKURYAZARLIK, Undergraduate, 2019 - 2020
İLERİ DÜZEYDE YARIİLETKEN ELEMANLAR, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
Elektrik Devreleri I Lab., Undergraduate, 2019 - 2020
BİLGİ TEKNOLOJİLERİ KULLANIMI, Undergraduate, 2019 - 2020, 2018 - 2019
Bilgisayar Programlama, Undergraduate, 2019 - 2020
Elektrik Devreleri II, Undergraduate, 2019 - 2020
Elektrik Devreleri II Lab., Undergraduate, 2019 - 2020
FİZİK I, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
BİLGİSAYAR PROGRAMLAMA, Undergraduate, 2018 - 2019, 2015 - 2016
İşaretler ve Sistemler, Undergraduate, 2017 - 2018
Fizik II, Undergraduate, 2017 - 2018, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2010 - 2011
FİZİK, Undergraduate, 2017 - 2018, 2015 - 2016
Öğretim Teknikleri ve Materyal Geliştirme, Undergraduate, 2017 - 2018
Bilgisayara Giriş, Undergraduate, 2015 - 2016
Isı ve Kütle Aktarımı, Undergraduate, 2015 - 2016
Temel Bilişim Teknolojileri, Undergraduate, 2015 - 2016
TEMEL BİLGİ TEKNOLOJİSİ KULLANIMI, Associate Degree, 2014 - 2015, 2013 - 2014
BİLGİSAYAR UYGULAMALARI I, Associate Degree, 2014 - 2015, 2011 - 2012
FİZİK II, Associate Degree, 2014 - 2015
TEMEL BİLGİSAYAR KULLANIMI, Associate Degree, 2014 - 2015, 2012 - 2013
BİLGİ VE İLETİŞİM TEKNOLOJİSİ, Associate Degree, 2014 - 2015, 2013 - 2014, 2011 - 2012
Bilgisayar 1, Associate Degree, 2014 - 2015
Bilgisayar Uygulamaları II, Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012
Bilgisayar ve Klavye Öğretimi I, Associate Degree, 2012 - 2013, 2011 - 2012
Hastane Bilgi İşlem Sistemleri, Associate Degree, 2012 - 2013, 2011 - 2012, 2010 - 2011
Bilgisayar ve Klavye Öğretimi II, Associate Degree, 2012 - 2013, 2011 - 2012

Advising Theses

Koçyiğit A., Farklı dalga boyları ve ortam koşulları için Görünür Işık Haberleşmesinin mesafeye bağlı olarak deneysel incelenmesi, Postgraduate, M.YAŞAR(Student), 2023
Koçyiğit A., MEMRİSTÖR TABANLI PI, PD VE PID KONTROLÖRLERİN SİMÜLASYONLARI VE KARŞILAŞTIRMASI, Postgraduate, M.AVCI(Student), 2023
ADEM K., İğdir ilindeki yenilenebilir enerji kaynaklarıyla elektrik enerjisi üretiminin MATLAB/SİMULİNK tabanlı modellenmesi, Postgraduate, O.DENİZ(Student), 2021
ADEM K., CuO ve NiO arayüzeyli fotodiyotların üretimi ve elektriksel karakterizasyonu, Postgraduate, G.ÇAĞLAR(Student), 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effects of Ppy-silicene composite on the performance of n-/p-type silicon semiconductor-based photodiodes**
Karabulut A., Yıldız D., Yıldırım M., Güllü H., KOÇYİĞİT A., Taşaltın N., Gulsaran A., Azer B. B., Yavuz M.
Sensors and Actuators A: Physical, vol.379, 2024 (SCI-Expanded)
- II. **Investigation of AlN-based Schottky type photodetector in visible light detection**
KOÇYİĞİT A., Yıldız D., Erdal M., TATAROĞLU A., Yıldırım M.
Physica B: Condensed Matter, vol.690, 2024 (SCI-Expanded)
- III. **Improving photocatalytic efficiency: Harnessing the importance of Ag@HfO₂ core-shell nanostructures**
KOÇYİĞİT A., ERDOĞAN E., CANPOLAT N., AYDOĞAN Ş., YILMAZ M.
Journal of Physics and Chemistry of Solids, vol.191, 2024 (SCI-Expanded)
- IV. **Synergistic enhancement of simazine degradation using ZnO nanosheets and ZnO/GO nanocomposites: A sol-gel synthesis approach**
AYDOĞAN Ş., CANPOLAT N., KOÇYİĞİT A., YILMAZ M.
Ceramics International, vol.50, no.14, pp.25080-25094, 2024 (SCI-Expanded)
- V. **Role of interfacial layer as PANI-silicene in Si-based photodiodes**
KOÇYİĞİT A., Yıldız D. E., Taşaltın N., Yıldırım M.
Journal of Materials Science, vol.59, no.21, pp.9437-9454, 2024 (SCI-Expanded)
- VI. **Detection performance of flower-like hydrothermally synthesized ZnO in silicon-type photodetector**
EDEN Ç., KOÇYİĞİT A., AYDOĞAN Ş., ÇIRAK Ç., YILMAZ M.
Physica Scripta, vol.99, no.6, 2024 (SCI-Expanded)
- VII. **Investigation of the Influence of Au (Gold) Doping Concentration on the Structural, Morphological, Optical, and Electrical Parameters of an Al/Au:CuO/n-Si Heterojunction Device**
Cavusoglu H., Hussaini A. A., Sakalak H., KOÇYİĞİT A., Durmaz F., Yıldırım M.
Journal of Electronic Materials, vol.53, no.5, pp.2382-2397, 2024 (SCI-Expanded)
- VIII. **Green synthesis capacitor of carbon quantum dots from Stachys euadenia**
Baslak C., Demirel S., Dogu S., Ozturk G., KOÇYİĞİT A., Yıldırım M.
Environmental Progress and Sustainable Energy, vol.43, no.3, 2024 (SCI-Expanded)
- IX. **Investigation of Ag/ZnO/p-Si heterostructure for diode and photodiode applications in visible spectrum**
Yıldız D. E., KOÇYİĞİT A., Yıldırım M.
Physica Scripta, vol.99, no.1, 2024 (SCI-Expanded)
- X. **High capacitive pt and NiOx loaded supercapacitors with commercial and green synthesized carbon-based materials**
Demirel S., Nas M. S., KOÇYİĞİT A., Calimli M. H., Alma M. H.
Journal of Materials Science: Materials in Electronics, vol.35, no.2, 2024 (SCI-Expanded)
- XI. **Photodiode behavior and capacitive performance of ZnO nanoflakes synthesized by electrochemical deposition**
YILMAZ M., YILDIRIM F., AYDOĞAN Ş., KOÇYİĞİT A.
Journal of Physics D: Applied Physics, vol.56, no.49, 2023 (SCI-Expanded)
- XII. **Electrolyte performance of green synthesized carbon quantum dots from fermented tea for high-speed capacitors**
Baslak C., Demirel S., KOÇYİĞİT A., Erdal M. O., Yıldırım M.
Diamond and Related Materials, vol.139, 2023 (SCI-Expanded)
- XIII. **Comparison of Al/TiO₂/p-Si and Al/ZnO/p-Si photodetectors**
Yıldız D. E., KOÇYİĞİT A., Yıldırım M.
Optical Materials, vol.145, 2023 (SCI-Expanded)
- XIV. **Green synthesis of carbon quantum dots from Sideritis vuralii and its application in supercapacitors**
Başlak C., Öztürk G., Demirel S., KOÇYİĞİT A., Doğu S., Yıldırım M.

Inorganic Chemistry Communications, vol.153, 2023 (SCI-Expanded)

- XV. **Design and synthesis of 4,5-diazafluorene ligands and their ruthenium (II) complexes for photoresponse performance on organic photodiodes**
Yenel E., Yildirim M., Cebeci C., ERDEN İ., KOÇYİĞİT A., Kus M.
Journal of Materials Science: Materials in Electronics, vol.34, no.21, 2023 (SCI-Expanded)
- XVI. **The Electrical Characteristics of the Co/Giemsan-Si Heterostructure Depending on Measurement Temperatures and Frequencies**
KOÇYİĞİT A., AYDOĞAN Ş., İNCEKARA Ü., YILMAZ M.
IEEE Sensors Journal, vol.23, no.8, pp.8184-8191, 2023 (SCI-Expanded)
- XVII. **Astragalus brachycalyx fischer roots-derived porous carbon integrated with a novel NiSnO₂/PC nanocomposite for high-performance supercapacitors**
Demirel S., Nas M. S., KOÇYİĞİT A., Calimli M. H., Alma M. H.
Journal of Materials Science: Materials in Electronics, vol.34, no.5, 2023 (SCI-Expanded)
- XVIII. **Cu and Mn centered nicotinamide/nicotinic acid complexes for interlayer of Schottky photodiode**
KOÇYİĞİT A., Yıldız D. E., Hussaini A. A., Kose D. A., Yildirim M.
Current Applied Physics, vol.45, pp.53-63, 2023 (SCI-Expanded)
- XIX. **Synthesize and characterization of Co-complex as interlayer for Schottky type photodiode**
KOÇYİĞİT A., Yildirim M., Kose D., Yıldız D.
Polymer Bulletin, vol.79, no.12, pp.11389-11408, 2022 (SCI-Expanded)
- XX. **Refractory-Metal-Based Chalcogenides for Energy**
Özel F., Arkan E., Coskun H., Deveci İ., Yildirim M., Yildirim M., Orak İ., Erdal M. O., Sarılmaz A., Ersöz T. T., et al.
Advanced Functional Materials, vol.32, no.47, 2022 (SCI-Expanded)
- XXI. **Schottky type photodiodes with organic Co-complex and Cd-complex interlayers**
KOÇYİĞİT A., Hussaini A. A., Yildirim M., Kose D. A., Yıldız D. E.
Applied Organometallic Chemistry, vol.36, no.11, 2022 (SCI-Expanded)
- XXII. **Supercapacitor behaviors of carbon quantum dots by green synthesis method from tea fermented with kombucha**
Baslak C., Demirel S., KOÇYİĞİT A., Alatli H., Yildirim M.
Materials Science in Semiconductor Processing, vol.147, 2022 (SCI-Expanded)
- XXIII. **Investigation photoelectric characteristics of ZnO/p-Si heterojunction structure modification with PCBM**
Yildirim M., KOÇYİĞİT A.
Applied Physics A: Materials Science and Processing, vol.128, no.8, 2022 (SCI-Expanded)
- XXIV. **The light detection performance of the congo red dye in a Schottky type photodiode**
KOÇYİĞİT A., YILMAZ M., İncekara Ü., ŞAHİN Y., AYDOĞAN Ş.
Chemical Physics Letters, vol.800, 2022 (SCI-Expanded)
- XXV. **Electrical Behaviors of the Co- and Ni-Based POMs Interlayered Schottky Photodetector Devices**
Yildirim M., KOÇYİĞİT A., Torlak Y., Yenel E., Hussaini A. A., Kuş M.
Advanced Materials Interfaces, vol.9, no.18, 2022 (SCI-Expanded)
- XXVI. **The electrical and dielectric characterization of the Co/ZnO-Rods/p-Si heterostructure depending on the frequency**
AYDOĞAN Ş., KOÇYİĞİT A., BOZKURT ÇIRAK B., ERDOĞAN E., YILMAZ M.
Journal of Materials Science: Materials in Electronics, vol.33, no.9, pp.6059-6069, 2022 (SCI-Expanded)
- XXVII. **Investigation the Performance of Cr-Doped ZnO Nanocrystalline Thin Film in Photodiode Applications**
Tursucu A., AYDOĞAN Ş., KOÇYİĞİT A., Ozmen A., YILMAZ M.
JOM, vol.74, no.3, pp.777-786, 2022 (SCI-Expanded)
- XXVIII. **Tunable plasmon-polarizmon resonance and hotspots in metal-silicon core-shell nanostructures**
Nayfeh A., Rezk A., Elhalawany N., Al Ruqeishi M., KOÇYİĞİT A., Bahceci E., Nayfeh M. H.
AIP Advances, vol.11, no.12, 2021 (SCI-Expanded)
- XXIX. **Dielectric characterization of Al/PCBM:ZnO/p-Si structures for wide-range frequency**

- Yildiz D. E., KOÇYİĞİT A., Erdal M. O., Yildirim M.
Bulletin of Materials Science, vol.44, no.1, 2021 (SCI-Expanded)
- XXX. **Comparison of n and p type Si-based Schottky photodiode with interlayered Congo red dye**
KOÇYİĞİT A., YILMAZ M., AYDOĞAN Ş., İncekara Ü., Kacus H.
Materials Science in Semiconductor Processing, vol.135, 2021 (SCI-Expanded)
- XXXI. **The photosensitive activity of organic/inorganic hybrid devices based on Aniline Blue dye: Au nanoparticles (AB@Au NPs)**
Kacus H., YILMAZ M., İNCEKARA Ü., KOÇYİĞİT A., AYDOĞAN Ş.
Sensors and Actuators, A: Physical, vol.330, 2021 (SCI-Expanded)
- XXXII. **Molecular engineering for donor electron to enhance photodiode properties of Co/n-Si and Co/p-Si structures: The effect of hematoxylin interface**
KOÇYİĞİT A., YILMAZ M., İncekara Ü., AYDOĞAN Ş., Kacus H.
Optik, vol.242, 2021 (SCI-Expanded)
- XXXIII. **Photodiode behaviors of the AgSbS₂nanocrystals in a Schottky structure**
Ko Yiğit A., Erdal M. O., Ozel F., Yildirim M.
Nanotechnology, vol.32, no.38, 2021 (SCI-Expanded)
- XXXIV. **The modification of the characteristics of ZnO nanofibers by TCNQ doping content**
Erdal M. O., Koyuncu M., Doğan K., Öztürk T., KOÇYİĞİT A., Yildirim M.
Journal of Materials Science: Materials in Electronics, vol.32, no.13, pp.17220-17229, 2021 (SCI-Expanded)
- XXXV. **W- and Mo-based polyoxometalates (POM) as interlayer in Al/n-Si photodiodes**
Yenel E., Torlak Y., KOÇYİĞİT A., ERDEN İ., Kuş M., Yildirim M.
Journal of Materials Science: Materials in Electronics, vol.32, no.9, pp.12094-12110, 2021 (SCI-Expanded)
- XXXVI. **A Au/CuNiCoS₄/p-Si photodiode: electrical and morphological characterization**
KOÇYİĞİT A., Sarılmaz A., Öztürk T., Ozel F., Yildirim M.
Beilstein Journal of Nanotechnology, vol.12, pp.984-994, 2021 (SCI-Expanded)
- XXXVII. **Light-sensing behaviors of organic/n-Si bio-hybrid photodiodes based on malachite green (MG) organic dye**
YILMAZ M., KOÇYİĞİT A., AYDOĞAN Ş., İNCEKARA Ü., Tursucu A., Kacus H.
Journal of Materials Science: Materials in Electronics, vol.31, no.23, pp.21548-21556, 2020 (SCI-Expanded)
- XXXVIII. **The dielectric performance of Au/CuCo₅S₈/p-Si heterojunction for various frequencies**
KOÇYİĞİT A., Yıldız D., Sarılmaz A., Ozel F., Yildirim M.
Journal of Materials Science: Materials in Electronics, vol.31, no.24, pp.22408-22416, 2020 (SCI-Expanded)
- XXXIX. **Fabrication and electrochemical properties of flexible ZnO doped PVA-Borax based solid-gel electrolytes**
Demirel S., Akgun M. R., Topkaya R., KOÇYİĞİT A., Cicek K.
Inorganic Chemistry Communications, vol.122, 2020 (SCI-Expanded)
- XL. **Optoelectronic properties of Co/pentacene/Si MIS heterojunction photodiode**
Kacus H., YILMAZ M., KOÇYİĞİT A., İNCEKARA Ü., AYDOĞAN Ş.
Physica B: Condensed Matter, vol.597, 2020 (SCI-Expanded)
- XLI. **A SYSTEMATIC STUDY on the DIELECTRIC RELAXATION, ELECTRIC MODULUS and ELECTRICAL CONDUCTIVITY of Al/Cu:TiO₂n -Si (MOS) STRUCTURES/CAPACITORS**
Yildirim M., KOÇYİĞİT A.
Surface Review and Letters, vol.27, no.10, 2020 (SCI-Expanded)
- XLII. **Influence of illumination intensity on electrical characteristics of Eosin y dye-based hybrid photodiode: comparative study**
YILMAZ M., KOÇYİĞİT A., AYDOĞAN Ş., İNCEKARA Ü., ŞAHİN Y., Kacus H.
Applied Physics A: Materials Science and Processing, vol.126, no.10, 2020 (SCI-Expanded)
- XLIII. **An Innovator Support Material for Tyrosinase Immobilization: Antimony-Doped Tin Oxide Thin Films (ATO-TF)**
Türkhan A., Kaya E. D., KOÇYİĞİT A.
Applied Biochemistry and Biotechnology, vol.192, no.2, pp.432-442, 2020 (SCI-Expanded)

- XLIV. **The performance of chitosan layer in Au/n-Si sandwich structures as a barrier modifier**
KOÇYİĞİT A., YILMAZ M., AYDOĞAN Ş., Incekara U., ŞAHİN Y.
Polymer Testing, vol.89, 2020 (SCI-Expanded)
- XLV. **The comparison of Co/hematoxylin/n-Si and Co/hematoxylin/p-Si devices as rectifier for a wide range temperature**
YILMAZ M., KOÇYİĞİT A., BOZKURT ÇIRAK B., KACUS H., İNCEKARA Ü., AYDOĞAN Ş.
Materials Science in Semiconductor Processing, vol.113, 2020 (SCI-Expanded)
- XLVI. **Electrical properties of Al/PCBM:ZnO/p-Si heterojunction for photodiode application**
GULLU H., YILDIZ D., KOÇYİĞİT A., YILDIRIM M.
Journal of Alloys and Compounds, vol.827, 2020 (SCI-Expanded)
- XLVII. **Integrated vortex beam emitter device for optical manipulation**
CICEK K., KOÇYİĞİT A., TOPKAYA R., CAI X.
Applied Optics, vol.59, no.10, pp.3179-3182, 2020 (SCI-Expanded)
- XLVIII. **The C-V characteristics of TiO₂/p-Si/Ag, GNR doped TiO₂/p-Si/Ag and MWCNT doped TiO₂/p-Si/Ag heterojunction devices**
ERDAL M. O., KOÇYİĞİT A., YILDIRIM M.
Chinese Journal of Physics, vol.64, pp.163-173, 2020 (SCI-Expanded)
- XLIX. **The rate of Cu doped TiO₂ interlayer effects on the electrical characteristics of Al/Cu:TiO₂/n-Si (MOS) capacitors depend on frequency and voltage**
ERDAL M., KOÇYİĞİT A., YILDIRIM M.
Microelectronics Reliability, vol.106, 2020 (SCI-Expanded)
- L. **Ternary CuCo₂S₄ Thiospinel Nanocrystal-Coated Photodiode with Improved Photoresponsivity and Acceptance Angles for Optoelectronic Applications**
YILDIRIM M., KOÇYİĞİT A., SARILMAZ A., ÖZEL S. S., KUS M., ÖZEL F.
Journal of Electronic Materials, vol.49, no.2, pp.949-958, 2020 (SCI-Expanded)
- LI. **Dark and illuminated electrical characteristics of Si-based photodiode interlayered with CuCo₅S₈ nanocrystals**
YILDIZ D., GULLU H., SARILMAZ A., ÖZEL F., KOÇYİĞİT A., YILDIRIM M.
Journal of Materials Science: Materials in Electronics, vol.31, no.2, pp.935-948, 2020 (SCI-Expanded)
- LII. **The Aromatic Thermosetting Copolyester for Schottky Diode Applications in a Wide Temperature Range**
ORAK İ., CALDIRAN Z., BAKIR M., ÇİFÇİ O. S., KOÇYİĞİT A.
Journal of Electronic Materials, vol.49, no.1, pp.402-409, 2020 (SCI-Expanded)
- LIII. **Temperature dependent current-voltage characteristics of Al/TiO₂/n-Si and Al/Cu:TiO₂/n-Si devices**
ERDAL M. O., KOÇYİĞİT A., YILDIRIM M.
Materials Science in Semiconductor Processing, vol.103, 2019 (SCI-Expanded)
- LIV. **The effect of indium doping concentration on the electrical and dielectric properties of Al/In:ZnO/p-Si heterojunctions**
YILDIRIM M., ERDAL M., KOÇYİĞİT A.
Physica B: Condensed Matter, vol.572, pp.153-160, 2019 (SCI-Expanded)
- LV. **Wet non-thermal integration of nano binary silicon-gold system with strong plasmonic and luminescent characteristics**
ENDERS B., KOÇYİĞİT A., BAHCECI E., ELHALAWANY N., NAYFEH A., ALSHAMMARI O., ALSALHI M., NAYFEH M.
AIP Advances, vol.9, no.9, 2019 (SCI-Expanded)
- LVI. **A comparison of the electrical characteristics of TiO₂/p-Si/Ag, GNR-TiO₂/p-Si/Ag and MWCNT-TiO₂/p-Si/Ag photodiodes**
ERDAL M. O., YILDIRIM M., KOÇYİĞİT A.
Journal of Materials Science: Materials in Electronics, vol.30, no.14, pp.13617-13626, 2019 (SCI-Expanded)
- LVII. **The C-V characteristics of the Cu₂WSe₄/p-Si heterojunction depending on wide range temperature**
KOÇYİĞİT A., KÜÇÜKÇELEBI H., SARILMAZ A., ÖZEL F., YILDIRIM M.
Journal of Materials Science: Materials in Electronics, vol.30, no.13, pp.11994-12000, 2019 (SCI-Expanded)

- LVIII. **The effect of measurements and layer coating homogeneity of AB on the Al/AB/p-Si devices**
KOÇYİĞİT A., YILMAZ M., AYDOĞAN Ş., İNCEKARA Ü.
Journal of Alloys and Compounds, vol.790, pp.388-396, 2019 (SCI-Expanded)
- LIX. **The Au/Cu₂WSe₄/p-Si photodiode: Electrical and morphological characterization**
KOÇYİĞİT A., Yıldırım M., Sarılmaz A., Özel F.
Journal of Alloys and Compounds, vol.780, pp.186-192, 2019 (SCI-Expanded)
- LX. **The effect of the triangular and spherical shaped CuSbS₂ structure on the electrical properties of Au/CuSbS₂/p-Si photodiode**
Yıldırım M., KOÇYİĞİT A., Sarılmaz A., Özel F.
Journal of Materials Science: Materials in Electronics, vol.30, no.1, pp.332-339, 2019 (SCI-Expanded)
- LXI. **Effect of Indium Doping on Optical Parameter Properties of Sol-Gel-Derived ZnO Thin Films**
KOÇYİĞİT A., Erdal M. O., Yıldırım M.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 2019 (SCI-Expanded)
- LXII. **Structural, optical and magnetic properties of Ni-Co co-doped ZnO thin films**
KOÇYİĞİT A., Topkaya R.
Materials Research Express, vol.6, no.9, 2019 (SCI-Expanded)
- LXIII. **Characterization of Al/In:ZnO/p-Si photodiodes for various In doped level to ZnO interfacial layers**
Yıldırım M., KOÇYİĞİT A.
Journal of Alloys and Compounds, vol.768, pp.1064-1075, 2018 (SCI-Expanded)
- LXIV. **Frequency-Dependent Electrical Characterization of GO-SiO₂ Composites in a Schottky Device**
Orak I., KOÇYİĞİT A., Karteri İ., Uruş S.
Journal of Electronic Materials, vol.47, no.11, pp.6691-6700, 2018 (SCI-Expanded)
- LXV. **The structural and electrical characterization of Al/GO-SiO₂/p-Si photodiode**
KOÇYİĞİT A., Karteri İ., Orak I., Uruş S., Çaylar M.
Physica E: Low-Dimensional Systems and Nanostructures, vol.103, pp.452-458, 2018 (SCI-Expanded)
- LXVI. **The Analysis of the Electrical and Photovoltaic Properties of Cr/p-Si Structures Using Current-Voltage Measurements**
Orak İ., KOÇYİĞİT A., Karataş Ş.
Silicon, vol.10, no.5, pp.2109-2116, 2018 (SCI-Expanded)
- LXVII. **Perovskite/p-Si photodiode with ultra-thin metal cathode**
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